



KMIP Symmetric Key Foundry for FIPS 140-2 Profile Version 1.0

Committee Specification Draft 01

31 October 2013

Specification URIs

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Related work:

This specification is related to:

- *Key Management Interoperability Protocol Profiles Version 1.0*. 01 October 2010. OASIS Standard. <http://docs.oasis-open.org/kmip/profiles/v1.0/os/kmip-profiles-1.0-os.html>.
- *Key Management Interoperability Protocol Specification Version 1.1*. Latest version. <http://docs.oasis-open.org/kmip/spec/v1.1/kmip-spec-v1.1.html>.
- *Key Management Interoperability Protocol Specification Version 1.2*. Latest version. <http://docs.oasis-open.org/kmip/spec/v1.2/kmip-spec-v1.2.html>.

Abstract:

Describes a profile for a KMIP server creating FIPS140-2 approved symmetric key algorithms based on requests received from a KMIP client.

Status:

This document was last revised or approved by the OASIS Key Management Interoperability Protocol (KMIP) TC on the above date. The level of approval is also listed above. Check the "Latest version" location noted above for possible later revisions of this document.

Technical Committee members should send comments on this specification to the Technical Committee's email list. Others should send comments to the Technical Committee by using the "Send A Comment" button on the Technical Committee's web page at <http://www.oasis-open.org/committees/kmip/>.

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1 Introduction

For normative definition of the elements of KMIP see the [KMIP Specification](#) [KMIP-SPEC] and the [KMIP Profiles](#) [KMIP-PROF].

Illustrative guidance for the implementation of KMIP clients and servers is provided in the [KMIP Usage Guide](#) [KMIP-UG].

This profile defines the necessary KMIP functionality that a KMIP server conforming to this profile SHALL support in order to interoperate in conformance with this profile.

1.1 Terminology

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in [RFC2119].

1.2 Normative References

- [RFC2119] Bradner, S., “Key words for use in RFCs to Indicate Requirement Levels”, BCP 14, RFC 2119, March 1997. <http://www.ietf.org/rfc/rfc2119.txt>.
- [RFC2119] Bradner, S., “Key words for use in RFCs to Indicate Requirement Levels”, BCP 14, RFC 2119, March 1997. <http://www.ietf.org/rfc/rfc2119.txt>.
- [RFC2246] T. Dierks and C. Allen, *The TLS Protocol, Version 1.0*, IETF RFC 2246, Jan 1999, <http://www.ietf.org/rfc/rfc2246.txt>
- [KMIP-SPEC] One or more of [KMIP-SPEC-1_0], [KMIP-SPEC-1_1], [KMIP-SPEC-1_2]
- [KMIP-SPEC-1_0] Key Management Interoperability Protocol Specification Version 1.0
<http://docs.oasis-open.org/kmip/spec/v1.0/os/kmip-spec-1.0-os.doc>
OASIS Standard, October 2010.
- [KMIP-SPEC-1_1] *Key Management Interoperability Protocol Specification Version 1.1*.
<http://docs.oasis-open.org/kmip/spec/v1.1/os/kmip-spec-v1.1-os.doc>
OASIS Standard. 24 January 2013.
- [KMIP-SPEC-1_2] *Key Management Interoperability Protocol Specification Version 1.2*.
[URL](#)
Candidate OASIS Standard 01. DD MMM YYYY.
- [KMIP-PROF] One or more of [KMIP-PROF-1_0], [KMIP-PROF-1_1], [KMIP-PROF-1_2]
- [KMIP-PROF-1_0] *Key Management Interoperability Protocol Usage Guide Version 1.0*.
<http://docs.oasis-open.org/kmip/profiles/v1.0/os/kmip-profiles-1.0-os.doc>
OASIS Standard. 1 October 2010.
- [KMIP-PROF-1_1] *Key Management Interoperability Protocol Usage Guide Version 1.1*.
<http://docs.oasis-open.org/kmip/profiles/v1.1/os/kmip-profiles-v1.1-os.doc>
OASIS Standard 01. 24 January 2013.
- [KMIP-PROF-1_2] *Key Management Interoperability Protocol Usage Guide Version 1.2*.
[URL](#)
Candidate OASIS Standard 01. DD MMM YYYY.

1.3 Non-Normative References

- [KMIP-UG] One or more of [KMIP-UG-1_0], [KMIP-UG-1_1], [KMIP-UG-1_2]
- [KMIP-UG-1_0] *Key Management Interoperability Protocol Usage Guide Version 1.0*.
<http://docs.oasis-open.org/kmip/ug/v1.1/kmip-ug-v1.1-cnd01.doc>
Committee Note Draft, 1 December 2011

44 **[KMIP-UG-1_1]** *Key Management Interoperability Protocol Usage Guide Version 1.1.*
45 <http://docs.oasis-open.org/kmip/ug/v1.1/cn01/kmip-ug-v1.1-cn01.doc>
46 Committee Note 01, 27 July 2012

47 **[KMIP-UG-1_2]** *Key Management Interoperability Protocol Usage Guide Version 1.2.*
48 URL
49 Committee Note Draft, DD MMM YYYY

50 **[KMIP-TC-1_1]** *Key Management Interoperability Protocol Test Cases Version 1.1.*
51 [http://docs.oasis-open.org/kmip/testcases/v1.1/cn01/kmip-testcases-v1.1-](http://docs.oasis-open.org/kmip/testcases/v1.1/cn01/kmip-testcases-v1.1-cn01.doc)
52 cn01.doc, Committee Note 01, 27 July 2012.

53 **[KMIP-TC-1_2]** *Key Management Interoperability Protocol Test Cases Version 1.2.*
54 URL, Committee Note Draft, DD MMM YYYY.

55 **[KMIP-UC]** *Key Management Interoperability Protocol Use Cases Version 1.0.*
56 [http://docs.oasis-open.org/kmip/usecases/v1.0/cs01/kmip-usecases-1.0-cs-](http://docs.oasis-open.org/kmip/usecases/v1.0/cs01/kmip-usecases-1.0-cs-01.doc)
57 01.doc, Committee Specification, 15 June 2010.

2 Symmetric Key Foundry (FIPS140) Profile

The Symmetric Key Foundry (FIPS140) Profile is a KMIP server responding to KMIP client requests to create symmetric keys using FIPS 140-2 approved algorithms.

2.1 Authentication Suite

Implementations conformant to this profile SHALL support at least one of the Authentication Suites defined within section 3 of [KMIP-PROF]. The establishment of the trust relationship between the KMIP client and the KMIP server is the same as the defined base profiles.

2.2 Baseline

KMIP clients conformant to this profile:

1. SHALL conform to the KMIP Baseline Client profile in [KMIP-PROF] and [KMIP-SPEC]

KMIP servers conformant to this profile:

1. SHALL conform to the KMIP Baseline Server profile in [KMIP-PROF] and [KMIP-SPEC] and
2. SHALL support the following *Objects* [KMIP-SPEC]
 - a. *Symmetric Key* [KMIP-SPEC]
 - b. *Key Format Type* [KMIP-SPEC]
3. SHALL support the following *Attributes* [KMIP-SPEC]
 - a. *Cryptographic Algorithm* [KMIP-SPEC]
 - b. *Cryptographic Length* [KMIP-SPEC] with values:
 - i. 168 (3DES)
 - ii. 128 (AES)
 - iii. 192 (AES)
 - iv. 256 (AES)
 - c. *Object Type* [KMIP-SPEC]
 - d. *Process Start Date* [KMIP-SPEC]
 - e. *Process Stop Date* [KMIP-SPEC]
4. SHALL support the following *Client-to-Server* [KMIP-SPEC] operations:
 - a. *Create* [KMIP-SPEC]
5. SHALL support the following *Message Encoding* [KMIP-SPEC]:
 - a. *Cryptographic Algorithm* [KMIP-SPEC] with values:
 - i. 3DES
 - ii. AES
 - b. *Object Type* [KMIP-SPEC] with value:
 - i. Symmetric Key
 - c. *Key Format Type* [KMIP-SPEC] with value:
 - i. Raw
 - ii. Transparent Symmetric Key
6. SHALL support all Mandatory Test Cases, returning results in accordance with the test cases.
7. MAY support any clause within [KMIP-SPEC] provided it does not conflict with any other clause within this section 2.2

- 97 8. MAY support extensions outside the scope of this standard (e.g., vendor extensions,
98 conformance clauses) that do not contradict any KMIP requirements.

3 Symmetric Key Foundry (FIPS140) Profile - Test Cases

This section documents the test cases for a KMIP server creating FIPS140-2 approved symmetric key algorithms based on requests received from a KMIP client.

Note: the values for time stamps are illustrative. Actual values from a real server system will vary.

3.1 Mandatory Test Cases KMIP 1.0

This section documents the test cases that a client or server conformant to the Symmetric Key Foundry (FIPS140) Profile SHALL support under KMIP Specification 1.0.

3.1.1 SKFF-M-1-10

Create, Destroy AES-128

	<pre># TIME 0 0001 <RequestMessage> 0002 <RequestHeader> 0003 <ProtocolVersion> 0004 <ProtocolVersionMajor type="Integer" value="1"/> 0005 <ProtocolVersionMinor type="Integer" value="0"/> 0006 </ProtocolVersion> 0007 <BatchCount type="Integer" value="1"/> 0008 </RequestHeader> 0009 <BatchItem> 0010 <Operation type="Enumeration" value="Create"/> 0011 <RequestPayload> 0012 <ObjectType type="Enumeration" value="SymmetricKey"/> 0013 <TemplateAttribute> 0014 <Attribute> 0015 <AttributeName type="TextString" value="Cryptographic Algorithm"/> 0016 <AttributeValue type="Enumeration" value="AES"/> 0017 </Attribute> 0018 <Attribute> 0019 <AttributeName type="TextString" value="Cryptographic Length"/> 0020 <AttributeValue type="Integer" value="128"/> 0021 </Attribute> 0022 <Attribute> 0023 <AttributeName type="TextString" value="Cryptographic Usage Mask"/> 0024 <AttributeValue type="Integer" value="Decrypt Encrypt"/> 0025 </Attribute> 0026 </TemplateAttribute> 0027 </RequestPayload> 0028 </BatchItem> 0029 </RequestMessage> 0030 <ResponseMessage> 0031 <ResponseHeader> 0032 <ProtocolVersion> 0033 <ProtocolVersionMajor type="Integer" value="1"/> 0034 <ProtocolVersionMinor type="Integer" value="0"/> 0035 </ProtocolVersion></pre>
--	---

0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
# TIME 1	
0048	<RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="0"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="0"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

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110 3.1.2 SKFF-M-2-10

111 Create, Destroy AES-192

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>

0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="AES"/>
0018	</Attribute>
0019	<Attribute>
0020	<AttributeName type="TextString" value="Cryptographic
0021	Length"/>
0022	<AttributeValue type="Integer" value="192"/>
0023	</Attribute>
0024	<Attribute>
0025	<AttributeName type="TextString" value="Cryptographic
0026	Usage Mask"/>
0027	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0028	</Attribute>
0029	</TemplateAttribute>
0030	</RequestPayload>
0031	</BatchItem>
0032	</RequestMessage>
0033	<ResponseMessage>
0034	<ResponseHeader>
0035	<ProtocolVersion>
0036	<ProtocolVersionMajor type="Integer" value="1"/>
0037	<ProtocolVersionMinor type="Integer" value="0"/>
0038	</ProtocolVersion>
0039	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0040	<BatchCount type="Integer" value="1"/>
0041	</ResponseHeader>
0042	<BatchItem>
0043	<Operation type="Enumeration" value="Create"/>
0044	<ResultStatus type="Enumeration" value="Success"/>
0045	<ResponsePayload>
0046	<ObjectType type="Enumeration" value="SymmetricKey"/>
0047	<UniqueIdentifier type="TextString"
0048	value="\$UNIQUE_IDENTIFIER_0"/>
0049	</ResponsePayload>
0050	</BatchItem>
0051	</ResponseMessage>
0052	# TIME 1
0053	<RequestMessage>
0054	<RequestHeader>
0055	<ProtocolVersion>
0056	<ProtocolVersionMajor type="Integer" value="1"/>
	<ProtocolVersionMinor type="Integer" value="0"/>
	</ProtocolVersion>
	<BatchCount type="Integer" value="1"/>
	</RequestHeader>
	<BatchItem>

0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
0060	value="\$UNIQUE_IDENTIFIER_0"/>
0061	</RequestPayload>
0062	</BatchItem>
0063	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="0"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
0077	value="\$UNIQUE_IDENTIFIER_0"/>
0078	</ResponsePayload>
0079	</BatchItem>
0079	</ResponseMessage>

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113 3.1.3 SKFF-M-3-10

114 Create, Destroy AES-256

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="AES"/>
0018	</Attribute>
0019	<Attribute>
0020	<AttributeName type="TextString" value="Cryptographic
0021	Length"/>
0022	<AttributeValue type="Integer" value="256"/>
0023	</Attribute>
0024	<Attribute>
0025	<AttributeName type="TextString" value="Cryptographic
0026	Usage Mask"/>

0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="0"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
0048	# TIME 1
0049	<RequestMessage>
0050	<RequestHeader>
0051	<ProtocolVersion>
0052	<ProtocolVersionMajor type="Integer" value="1"/>
0053	<ProtocolVersionMinor type="Integer" value="0"/>
0054	</ProtocolVersion>
0055	<BatchCount type="Integer" value="1"/>
0056	</RequestHeader>
0057	<BatchItem>
0058	<Operation type="Enumeration" value="Destroy"/>
0059	<RequestPayload>
	<UniqueIdentifier type="TextString"
0060	value="\$UNIQUE_IDENTIFIER_0"/>
0061	</RequestPayload>
0062	</BatchItem>
0063	</RequestMessage>
0064	<ResponseMessage>
0065	<ResponseHeader>
0066	<ProtocolVersion>
0067	<ProtocolVersionMajor type="Integer" value="1"/>
0068	<ProtocolVersionMinor type="Integer" value="0"/>
0069	</ProtocolVersion>
0070	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0071	<BatchCount type="Integer" value="1"/>
0072	</ResponseHeader>
0073	<BatchItem>
0074	<Operation type="Enumeration" value="Destroy"/>
0075	<ResultStatus type="Enumeration" value="Success"/>
0076	<ResponsePayload>
	<UniqueIdentifier type="TextString"
0077	value="\$UNIQUE_IDENTIFIER_0"/>
	</ResponsePayload>

0078	</BatchItem>
0079	</ResponseMessage>

115

116 3.1.4 SKFF-M-4-10

117 Create, Destroy DES3-168

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="DES3"/>
0018	</Attribute>
0019	<Attribute>
0020	<AttributeName type="TextString" value="Cryptographic
0021	Length"/>
0022	<AttributeValue type="Integer" value="168"/>
0023	</Attribute>
0024	<Attribute>
0025	<AttributeName type="TextString" value="Cryptographic
0026	Usage Mask"/>
0027	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0028	</Attribute>
0029	</TemplateAttribute>
0030	</RequestPayload>
0031	</BatchItem>
0032	</RequestMessage>
0033	<ResponseMessage>
0034	<ResponseHeader>
0035	<ProtocolVersion>
0036	<ProtocolVersionMajor type="Integer" value="1"/>
0037	<ProtocolVersionMinor type="Integer" value="0"/>
0038	</ProtocolVersion>
0039	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0040	<BatchCount type="Integer" value="1"/>
0041	</ResponseHeader>
0042	<BatchItem>
0043	<Operation type="Enumeration" value="Create"/>
0044	<ResultStatus type="Enumeration" value="Success"/>
0045	<ResponsePayload>
	<ObjectType type="Enumeration" value="SymmetricKey"/>
	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
	</ResponsePayload>

0046	</BatchItem>
0047	</ResponseMessage>
# TIME 1	
0048	<RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="0"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="0"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

118

119 3.1.5 SKFF-M-5-10

120 Create, Locate, Get, Destroy, Locate AES-128

# TIME 0	
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>

0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-5-10"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="AES"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0027	<AttributeValue type="Integer" value="128"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact
	Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="0"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
	# TIME 1
0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="0"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>

0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-5-10"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="0"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER 0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="0"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>

0120	<ProtocolVersionMinor type="Integer" value="0"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="ff52f70583d7321722c6d4e5e4605071"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0138	<CryptographicLength type="Integer" value="128"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="0"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="0"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>

0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
# TIME 4	
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="0"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="0"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

121

122 3.1.6 SKFF-M-6-10

123 Create, Locate, Get, Destroy, Locate AES-192

# TIME 0	
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>

0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-6-10"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="AES"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0027	<AttributeValue type="Integer" value="192"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact
	Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="0"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
	# TIME 1
0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="0"/>

0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-6-10"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="0"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="0"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>

0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="0"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="ae2443611895beb460237aa0a86e1d097d77e33307a8aaff"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0138	<CryptographicLength type="Integer" value="192"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="0"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="0"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>

0172	<UniqueIdentifier type="TextString"
0173	value="\$UNIQUE_IDENTIFIER_0"/>
0174	</ResponsePayload>
0175	</BatchItem>
0176	</ResponseMessage>
# TIME 4	
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="0"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
0190	value="\$UNIQUE_IDENTIFIER_0"/>
0191	</Attribute>
0192	</RequestPayload>
0193	</BatchItem>
0194	</RequestMessage>
0195	<ResponseMessage>
0196	<ResponseHeader>
0197	<ProtocolVersion>
0198	<ProtocolVersionMajor type="Integer" value="1"/>
0199	<ProtocolVersionMinor type="Integer" value="0"/>
0200	</ProtocolVersion>
0201	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0202	<BatchCount type="Integer" value="1"/>
0203	</ResponseHeader>
0204	<BatchItem>
0205	<Operation type="Enumeration" value="Locate"/>
0206	<ResultStatus type="Enumeration" value="Success"/>
0207	<ResponsePayload>
0208	</ResponsePayload>
0209	</BatchItem>
0210	</ResponseMessage>

124

125 3.1.7 SKFF-M-7-10

126 Create, Locate, Get, Destroy, Locate AES-256

# TIME 0	
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>

0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-7-10"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="AES"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0027	<AttributeValue type="Integer" value="256"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact
	Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="0"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
	# TIME 1
0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>

0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="0"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-7-10"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="0"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="0"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>

0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="0"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="f88b2ddae98a018dc3b73df2b06895e548af3elf93d66e40ea807b9078de0b18"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0138	<CryptographicLength type="Integer" value="256"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="0"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="0"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>

0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="0"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="0"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

127

128 3.1.8 SKFF-M-8-10

129 Create, Locate, Get, Destroy, Locate DES3-168

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>

0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-8-10"/>
0018	<NameType type="Enumeration"
0019	value="UninterpretedTextString"/>
0020	</AttributeValue>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic
0024	Algorithm"/>
0025	<AttributeValue type="Enumeration" value="DES3"/>
0026	</Attribute>
0027	<Attribute>
0028	<AttributeName type="TextString" value="Cryptographic
0029	Length"/>
0030	<AttributeValue type="Integer" value="168"/>
0031	</Attribute>
0032	<Attribute>
0033	<AttributeName type="TextString" value="Cryptographic
0034	Usage Mask"/>
0035	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0036	</Attribute>
0037	<Attribute>
0038	<AttributeName type="TextString" value="Contact
0039	Information"/>
0040	<AttributeValue type="TextString" value="Joe"/>
0041	</Attribute>
0042	</TemplateAttribute>
0043	</RequestPayload>
0044	</BatchItem>
0045	</RequestMessage>
0046	<ResponseMessage>
0047	<ResponseHeader>
0048	<ProtocolVersion>
0049	<ProtocolVersionMajor type="Integer" value="1"/>
0050	<ProtocolVersionMinor type="Integer" value="0"/>
0051	</ProtocolVersion>
0052	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0053	<BatchCount type="Integer" value="1"/>
0054	</ResponseHeader>
0055	<BatchItem>
0056	<Operation type="Enumeration" value="Create"/>
0057	<ResultStatus type="Enumeration" value="Success"/>
0058	<ResponsePayload>
	<ObjectType type="Enumeration" value="SymmetricKey"/>
	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
	</ResponsePayload>
	</BatchItem>
	</ResponseMessage>
	# TIME 1

0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="0"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-8-10"/>
0078	<NameType type="Enumeration"
0079	value="UninterpretedTextString"/>
0080	</AttributeValue>
0081	</Attribute>
0082	</RequestPayload>
0083	</BatchItem>
0084	</RequestMessage>
0085	<ResponseMessage>
0086	<ResponseHeader>
0087	<ProtocolVersion>
0088	<ProtocolVersionMajor type="Integer" value="1"/>
0089	<ProtocolVersionMinor type="Integer" value="0"/>
0090	</ProtocolVersion>
0091	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0092	<BatchCount type="Integer" value="1"/>
0093	</ResponseHeader>
0094	<BatchItem>
0095	<Operation type="Enumeration" value="Locate"/>
0096	<ResultStatus type="Enumeration" value="Success"/>
0097	<ResponsePayload>
0098	<UniqueIdentifier type="TextString"
0099	value="\$UNIQUE_IDENTIFIER_0"/>
0100	</ResponsePayload>
0101	</BatchItem>
0102	</ResponseMessage>
0103	# TIME 2
0104	<RequestMessage>
0105	<RequestHeader>
0106	<ProtocolVersion>
0107	<ProtocolVersionMajor type="Integer" value="1"/>
0108	<ProtocolVersionMinor type="Integer" value="0"/>
0109	</ProtocolVersion>
0110	<BatchCount type="Integer" value="1"/>
0111	</RequestHeader>
0112	<BatchItem>
0113	<Operation type="Enumeration" value="Get"/>
0114	<RequestPayload>
0115	<UniqueIdentifier type="TextString"
0116	value="\$UNIQUE_IDENTIFIER_0"/>

0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="0"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="7367578051012a6d134a855e25c8cd5e4ca131455729d3c8"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0138	<CryptographicLength type="Integer" value="168"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="0"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="0"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>

0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
# TIME 4	
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="0"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="0"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

130

131 3.1.9 SKFF-M-9-10

132 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy AES-128

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>

0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="128"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-M-9-10"/>
0026	<NameType type="Enumeration" value="UninterpretedTextString"/>
0027	</AttributeValue>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
0032	</Attribute>
0033	</TemplateAttribute>
0034	</RequestPayload>
0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
0038	<ResponseHeader>
0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="0"/>
0042	</ProtocolVersion>
0043	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
0055	# TIME 1 <RequestMessage>
0056	<RequestHeader>
0057	<ProtocolVersion>

0058	<ProtocolVersionMajor type="Integer" value="1"/>
0059	<ProtocolVersionMinor type="Integer" value="0"/>
0060	</ProtocolVersion>
0061	<BatchCount type="Integer" value="1"/>
0062	</RequestHeader>
0063	<BatchItem>
0064	<Operation type="Enumeration" value="GetAttributes"/>
0065	<RequestPayload>
0066	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
0073	<ProtocolVersion>
0074	<ProtocolVersionMajor type="Integer" value="1"/>
0075	<ProtocolVersionMinor type="Integer" value="0"/>
0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>
0084	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
0092	# TIME 2
0093	<RequestMessage>
0094	<RequestHeader>
0095	<ProtocolVersion>
0096	<ProtocolVersionMajor type="Integer" value="1"/>
0097	<ProtocolVersionMinor type="Integer" value="0"/>
0098	</ProtocolVersion>
0099	<BatchCount type="Integer" value="1"/>
0100	</RequestHeader>
0101	<BatchItem>
0102	<Operation type="Enumeration" value="Activate"/>
0103	<RequestPayload>
0104	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0105	</RequestPayload>
0106	</BatchItem>
0107	</RequestMessage>
0108	<ResponseMessage>
0109	<ResponseHeader>
0110	<ProtocolVersion>
0111	<ProtocolVersionMajor type="Integer" value="1"/>
	<ProtocolVersionMinor type="Integer" value="0"/>

0112	</ProtocolVersion>
0113	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0114	<BatchCount type="Integer" value="1"/>
0115	</ResponseHeader>
0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
0119	<ResponsePayload>
0120	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0121	</ResponsePayload>
0122	</BatchItem>
0123	</ResponseMessage>
	# TIME 3
0124	<RequestMessage>
0125	<RequestHeader>
0126	<ProtocolVersion>
0127	<ProtocolVersionMajor type="Integer" value="1"/>
0128	<ProtocolVersionMinor type="Integer" value="0"/>
0129	</ProtocolVersion>
0130	<BatchCount type="Integer" value="1"/>
0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
0142	<ProtocolVersion>
0143	<ProtocolVersionMajor type="Integer" value="1"/>
0144	<ProtocolVersionMinor type="Integer" value="0"/>
0145	</ProtocolVersion>
0146	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>
0153	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
	# TIME 4
0161	<RequestMessage>
0162	<RequestHeader>
0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>

0165	<ProtocolVersionMinor type="Integer" value="0"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-9-10"/>
0180	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
0183	</RequestPayload>
0184	</BatchItem>
0185	</RequestMessage>
0186	<ResponseMessage>
0187	<ResponseHeader>
0188	<ProtocolVersion>
0189	<ProtocolVersionMajor type="Integer" value="1"/>
0190	<ProtocolVersionMinor type="Integer" value="0"/>
0191	</ProtocolVersion>
0192	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>
0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
0201	</BatchItem>
0202	</ResponseMessage>
0203	# TIME 5 <RequestMessage>
0204	<RequestHeader>
0205	<ProtocolVersion>
0206	<ProtocolVersionMajor type="Integer" value="1"/>
0207	<ProtocolVersionMinor type="Integer" value="0"/>
0208	</ProtocolVersion>
0209	<BatchCount type="Integer" value="1"/>
0210	</RequestHeader>
0211	<BatchItem>
0212	<Operation type="Enumeration" value="Get"/>
0213	<RequestPayload>
0214	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0215	</RequestPayload>
0216	</BatchItem>
0217	</RequestMessage>
0218	<ResponseMessage>

0219	<ResponseHeader>
0220	<ProtocolVersion>
0221	<ProtocolVersionMajor type="Integer" value="1"/>
0222	<ProtocolVersionMinor type="Integer" value="0"/>
0223	</ProtocolVersion>
0224	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString"
	value="9c7d7c4fd2076f1909a6ba4342cab1de"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0240	<CryptographicLength type="Integer" value="128"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>
	# TIME 6
0246	<RequestMessage>
0247	<RequestHeader>
0248	<ProtocolVersion>
0249	<ProtocolVersionMajor type="Integer" value="1"/>
0250	<ProtocolVersionMinor type="Integer" value="0"/>
0251	</ProtocolVersion>
0252	<BatchCount type="Integer" value="1"/>
0253	</RequestHeader>
0254	<BatchItem>
0255	<Operation type="Enumeration" value="Revoke"/>
0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration"
	value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-
	01T00:00:06+00:00"/>
0262	</RequestPayload>
0263	</BatchItem>
0264	</RequestMessage>
0265	<ResponseMessage>
0266	<ResponseHeader>
0267	<ProtocolVersion>
0268	<ProtocolVersionMajor type="Integer" value="1"/>
0269	<ProtocolVersionMinor type="Integer" value="0"/>
0270	</ProtocolVersion>

0271	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0272	<BatchCount type="Integer" value="1"/>
0273	</ResponseHeader>
0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
0278	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
0280	</BatchItem>
0281	</ResponseMessage>
# TIME 7	
0282	<RequestMessage>
0283	<RequestHeader>
0284	<ProtocolVersion>
0285	<ProtocolVersionMajor type="Integer" value="1"/>
0286	<ProtocolVersionMinor type="Integer" value="0"/>
0287	</ProtocolVersion>
0288	<BatchCount type="Integer" value="1"/>
0289	</RequestHeader>
0290	<BatchItem>
0291	<Operation type="Enumeration" value="GetAttributes"/>
0292	<RequestPayload>
0293	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>
0297	</RequestMessage>
0298	<ResponseMessage>
0299	<ResponseHeader>
0300	<ProtocolVersion>
0301	<ProtocolVersionMajor type="Integer" value="1"/>
0302	<ProtocolVersionMinor type="Integer" value="0"/>
0303	</ProtocolVersion>
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0309	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Initial Date"/>
0358	<AttributeName type="TextString" value="Last Change Date"/>
0359	<AttributeName type="TextString" value="Lease Time"/>
0360	<AttributeName type="TextString" value="Name"/>
0361	<AttributeName type="TextString" value="Revocation Reason"/>
0362	<AttributeName type="TextString" value="State"/>
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0463	<AttributeValue type="TextString" value="Value2"/>
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0587	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0623	<KeyBlock>
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0664	</ResponsePayload>
0665	</BatchItem>
0666	</ResponseMessage>

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134 3.1.10 SKFF-M-10-10

135 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,
136 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy AES-128

	# TIME 0
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0008	</RequestHeader>
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0011	<RequestPayload>
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0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0020	<AttributeValue type="Integer" value="192"/>
0021	</Attribute>
0022	</Attribute>

0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-M-10-10"/>
0026	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0027	</AttributeValue>
0028	</Attribute>
0029	<Attribute>
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	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
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0051	<UniqueIdentifier type="TextString"
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0052	</ResponsePayload>
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0054	</ResponseMessage>
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0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
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0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
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0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-10-10"/>
0180	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>

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0225	<BatchCount type="Integer" value="1"/>
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0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>

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0239	<code></KeyValue></code>
0240	<code><CryptographicAlgorithm type="Enumeration" value="AES"/></code>
0241	<code><CryptographicLength type="Integer" value="192"/></code>
0242	<code></KeyBlock></code>
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0245	<code></BatchItem></code>
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0255	<code><Operation type="Enumeration" value="Revoke"/></code>
0256	<code><RequestPayload></code>
0257	<code><UniqueIdentifier type="TextString"</code>
0258	<code>value="\$UNIQUE_IDENTIFIER_0"/></code>
0259	<code><RevocationReason></code>
0260	<code><RevocationReasonCode type="Enumeration"</code>
0261	<code>value="KeyCompromise"/></code>
0262	<code></RevocationReason></code>
0263	<code><CompromiseOccurrenceDate type="DateTime" value="1970-01-</code>
0264	<code>01T00:00:00+00:00"/></code>
0265	<code></RequestPayload></code>
0266	<code></BatchItem></code>
0267	<code></RequestMessage></code>
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0269	<code><ResponseHeader></code>
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0271	<code><ProtocolVersionMajor type="Integer" value="1"/></code>
0272	<code><ProtocolVersionMinor type="Integer" value="0"/></code>
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0275	<code><BatchCount type="Integer" value="1"/></code>
0276	<code></ResponseHeader></code>
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0278	<code><Operation type="Enumeration" value="Revoke"/></code>
0279	<code><ResultStatus type="Enumeration" value="Success"/></code>
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0282	<code>value="\$UNIQUE_IDENTIFIER_0"/></code>
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0284	<code></BatchItem></code>
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# TIME 7	
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0287	<code></ProtocolVersion></code>

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	value="\$UNIQUE_IDENTIFIER_0"/>
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0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Initial Date"/>
0358	<AttributeName type="TextString" value="Last Change Date"/>
0359	<AttributeName type="TextString" value="Lease Time"/>
0360	<AttributeName type="TextString" value="Name"/>
0361	<AttributeName type="TextString" value="Revocation Reason"/>
0362	<AttributeName type="TextString" value="State"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0418	<AttributeValue type="TextString" value="Value1"/>
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0450	<AttributeName type="TextString" value="x-attribute1"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0664	</ResponsePayload>
0665	</BatchItem>
0666	</ResponseMessage>

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138 3.1.11 SKFF-M-11-10

139 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,
140 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy AES-256

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0009	<BatchItem>
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0011	<RequestPayload>
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0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0020	<AttributeValue type="Integer" value="256"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-M-11-10"/>
0026	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0027	</AttributeValue>
0028	</Attribute>
0029	<Attribute>
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	Usage Mask"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
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0069	</BatchItem>
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0071	<ResponseMessage>
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# TIME 2	
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0117	<Operation type="Enumeration" value="Activate"/>
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0121	value="\$UNIQUE_IDENTIFIER_0"/>
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0124	# TIME 3
0124	<RequestMessage>
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0136	value="\$UNIQUE_IDENTIFIER_0"/>
0137	<AttributeName type="TextString" value="State"/>
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0139	</BatchItem>
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0147	<BatchCount type="Integer" value="1"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
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0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
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0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-11-10"/>
0180	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0181	</AttributeValue>
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0225	<BatchCount type="Integer" value="1"/>
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0238	</KeyValue>
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0240	<CryptographicLength type="Integer" value="256"/>
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0243	</ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration"
	value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-
	01T00:00:06+00:00"/>
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0263	</BatchItem>
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0276	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
0280	</BatchItem>
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0283	<RequestMessage>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
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	# TIME 8
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0341	<BatchCount type="Integer" value="1"/>
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0345	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage

0356	Mask"/>
0357	<AttributeName type="TextString" value="Digest"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Revocation Reason"/>
0363	<AttributeName type="TextString" value="State"/>
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0366	</ResponseMessage>
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0368	<RequestMessage>
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0392	<BatchCount type="Integer" value="1"/>
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0402	<AttributeValue type="Enumeration" value="Compromised"/>
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	</ProtocolVersion>

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	value="\$UNIQUE_IDENTIFIER_0"/>
0416	<Attribute>
0417	<AttributeName type="TextString" value="x-attribute1"/>
0418	<AttributeValue type="TextString" value="Value1"/>
0419	</Attribute>
0420	</RequestPayload>
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0422	<BatchItem>
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0424	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0425	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0427	<Attribute>
0428	<AttributeName type="TextString" value="x-attribute2"/>
0429	<AttributeValue type="TextString" value="Value2"/>
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0441	<BatchCount type="Integer" value="2"/>
0442	</ResponseHeader>
0443	<BatchItem>
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0446	<ResultStatus type="Enumeration" value="Success"/>
0447	<ResponsePayload>
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0449	<Attribute>
0450	<AttributeName type="TextString" value="x-attribute1"/>
0451	<AttributeValue type="TextString" value="Value1"/>
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0453	</ResponsePayload>
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0458	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0463	<AttributeValue type="TextString" value="Value2"/>
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0506	<BatchCount type="Integer" value="2"/>
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0516	<AttributeValue type="TextString" value="ModifiedValue1"/>

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0532	</ResponseMessage>
# TIME 12	
0533	<RequestMessage>
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0554	<AttributeName type="TextString" value="x-attribute2"/>
0555	</RequestPayload>
0556	</BatchItem>
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0558	<ResponseMessage>
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0565	<BatchCount type="Integer" value="2"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0604	</RequestPayload>
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0614	<BatchCount type="Integer" value="1"/>
0615	</ResponseHeader>
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0618	<ResultStatus type="Enumeration" value="Success"/>
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0621	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
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0623	<KeyBlock>

0624	<KeyFormatType type="Enumeration" value="Raw"/>
0625	<KeyValue>
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	value="1de10496b0ef4dfa22ed858439c6b57880da74ad7a9eb476bac300a12dd187a2"/>
0627	</KeyValue>
0628	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0629	<CryptographicLength type="Integer" value="256"/>
0630	</KeyBlock>
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0657	<BatchCount type="Integer" value="1"/>
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0663	<UniqueIdentifier type="TextString"
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0664	</ResponsePayload>
0665	</BatchItem>
0666	</ResponseMessage>

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142 3.1.12 SKFF-M-12-10

143 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,
144 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy 3DES-168

	# TIME 0
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0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="DES3"/>
0018	</Attribute>
0019	<Attribute>
0020	<AttributeName type="TextString" value="Cryptographic
0021	Length"/>
0022	<AttributeValue type="Integer" value="168"/>
0023	</Attribute>
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0028	<NameType type="Enumeration"
0029	value="UninterpretedTextString"/>
0030	</AttributeValue>
0031	</Attribute>
0032	<Attribute>
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0034	Usage Mask"/>
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0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
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0060	# TIME 1

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0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
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0179	<NameValue type="TextString" value="SKFF-M-12-10"/>
0180	<NameType type="Enumeration"
0181	value="UninterpretedTextString"/>
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0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
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0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
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	Mask"/>
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0357	<AttributeName type="TextString" value="Initial Date"/>
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0359	<AttributeName type="TextString" value="Lease Time"/>
0360	<AttributeName type="TextString" value="Name"/>
0361	<AttributeName type="TextString" value="Revocation Reason"/>
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	# TIME 12

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0603	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0604	</RequestPayload>
0605	</BatchItem>
0606	</RequestMessage>
0607	<ResponseMessage>
0608	<ResponseHeader>
0609	<ProtocolVersion>
0610	<ProtocolVersionMajor type="Integer" value="1"/>
0611	<ProtocolVersionMinor type="Integer" value="0"/>
0612	</ProtocolVersion>
0613	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0614	<BatchCount type="Integer" value="1"/>
0615	</ResponseHeader>
0616	<BatchItem>
0617	<Operation type="Enumeration" value="Get"/>
0618	<ResultStatus type="Enumeration" value="Success"/>
0619	<ResponsePayload>
0620	<ObjectType type="Enumeration" value="SymmetricKey"/>
0621	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0622	<SymmetricKey>
0623	<KeyBlock>
0624	<KeyFormatType type="Enumeration" value="Raw"/>
0625	<KeyValue>
0626	<KeyMaterial type="ByteString" value="ea9dc7c4e5d92a3b5bbf0b1c8c136e20eca137a88afb9745"/>
0627	</KeyValue>
0628	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0629	<CryptographicLength type="Integer" value="168"/>
0630	</KeyBlock>
0631	</SymmetricKey>
0632	</ResponsePayload>
0633	</BatchItem>
0634	</ResponseMessage>
0635	# TIME 14 <RequestMessage>
0636	<RequestHeader>
0637	<ProtocolVersion>
0638	<ProtocolVersionMajor type="Integer" value="1"/>
0639	<ProtocolVersionMinor type="Integer" value="0"/>

0640	</ProtocolVersion>
0641	<BatchCount type="Integer" value="1"/>
0642	</RequestHeader>
0643	<BatchItem>
0644	<Operation type="Enumeration" value="Destroy"/>
0645	<RequestPayload>
0646	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0647	</RequestPayload>
0648	</BatchItem>
0649	</RequestMessage>
0650	<ResponseMessage>
0651	<ResponseHeader>
0652	<ProtocolVersion>
0653	<ProtocolVersionMajor type="Integer" value="1"/>
0654	<ProtocolVersionMinor type="Integer" value="0"/>
0655	</ProtocolVersion>
0656	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0657	<BatchCount type="Integer" value="1"/>
0658	</ResponseHeader>
0659	<BatchItem>
0660	<Operation type="Enumeration" value="Destroy"/>
0661	<ResultStatus type="Enumeration" value="Success"/>
0662	<ResponsePayload>
0663	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0664	</ResponsePayload>
0665	</BatchItem>
0666	</ResponseMessage>

145

146 3.2 Mandatory Test Cases KMIP 1.1

147 This section documents the test cases that a client or server conformant to the Symmetric Key Foundry
148 (FIPS140) Profile SHALL support under KMIP Specification 1.1.

149 3.2.1 SKFF-M-1-11

150 Create, Destroy AES-128

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>

0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="128"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="1"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
0048	# TIME 1 <RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="1"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="1"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>

0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

151

152 3.2.2 SKFF-M-2-11

153 Create, Destroy AES-192

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0020	<AttributeValue type="Integer" value="192"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="1"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>

0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
# TIME 1	
0048	<RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="1"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="1"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

154

155 3.2.3 SKFF-M-3-11

156 Create, Destroy AES-256

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>

0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="256"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="1"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
0048	# TIME 1 <RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="1"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>

0059	<UniqueIdentifier type="TextString"
0060	value="\$UNIQUE_IDENTIFIER_0"/>
0061	</RequestPayload>
0062	</BatchItem>
0063	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="1"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
0077	value="\$UNIQUE_IDENTIFIER_0"/>
0078	</ResponsePayload>
0079	</BatchItem>
0079	</ResponseMessage>

157

158 3.2.4 SKFF-M-4-11

159 Create, Destroy DES3-168

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="DES3"/>
0018	</Attribute>
0019	<Attribute>
0020	<AttributeName type="TextString" value="Cryptographic
0021	Length"/>
0022	<AttributeValue type="Integer" value="168"/>
0023	</Attribute>
0024	<Attribute>
0025	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
	</Attribute>

0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="1"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
	# TIME 1
0048	<RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="1"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="1"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

160

161 3.2.5 SKFF-M-5-11

162 Create, Locate, Get, Destroy, Locate AES-128

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-5-11"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="AES"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0027	<AttributeValue type="Integer" value="128"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact
	Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="1"/>
0046	</ProtocolVersion>

0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
# TIME 1	
0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="1"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-5-11"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="1"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>

0101	# TIME 2
0102	<RequestMessage>
0103	<RequestHeader>
0104	<ProtocolVersion>
0105	<ProtocolVersionMajor type="Integer" value="1"/>
0106	<ProtocolVersionMinor type="Integer" value="1"/>
0107	</ProtocolVersion>
0108	<BatchCount type="Integer" value="1"/>
0109	</RequestHeader>
0110	<BatchItem>
0111	<Operation type="Enumeration" value="Get"/>
0112	<RequestPayload>
0113	<UniqueIdentifier type="TextString"
0114	value="\$UNIQUE_IDENTIFIER_0"/>
0115	</RequestPayload>
0116	</BatchItem>
0117	</RequestMessage>
0118	<ResponseMessage>
0119	<ResponseHeader>
0120	<ProtocolVersion>
0121	<ProtocolVersionMajor type="Integer" value="1"/>
0122	<ProtocolVersionMinor type="Integer" value="1"/>
0123	</ProtocolVersion>
0124	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0125	<BatchCount type="Integer" value="1"/>
0126	</ResponseHeader>
0127	<BatchItem>
0128	<Operation type="Enumeration" value="Get"/>
0129	<ResultStatus type="Enumeration" value="Success"/>
0130	<ResponsePayload>
0131	<ObjectType type="Enumeration" value="SymmetricKey"/>
0132	<UniqueIdentifier type="TextString"
0133	value="\$UNIQUE_IDENTIFIER_0"/>
0134	<SymmetricKey>
0135	<KeyBlock>
0136	<KeyFormatType type="Enumeration" value="Raw"/>
0137	<KeyValue>
0138	<KeyMaterial type="ByteString"
0139	value="ff52f70583d7321722c6d4e5e4605071"/>
0140	</KeyValue>
0141	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0142	<CryptographicLength type="Integer" value="128"/>
0143	</KeyBlock>
0144	</SymmetricKey>
0145	</ResponsePayload>
0146	</BatchItem>
0147	</ResponseMessage>
0148	# TIME 3
0149	<RequestMessage>
0150	<RequestHeader>
0151	<ProtocolVersion>
0152	<ProtocolVersionMajor type="Integer" value="1"/>
0153	<ProtocolVersionMinor type="Integer" value="1"/>
0154	</ProtocolVersion>
0155	<BatchCount type="Integer" value="1"/>
0156	</RequestHeader>
0157	<BatchItem>
0158	<Operation type="Enumeration" value="Destroy"/>

0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
0156	value="\$UNIQUE_IDENTIFIER_0"/>
0157	</RequestPayload>
0158	</BatchItem>
0159	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="1"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
0173	value="\$UNIQUE_IDENTIFIER_0"/>
0174	</ResponsePayload>
0175	</BatchItem>
0176	</ResponseMessage>
0176	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="1"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
0190	value="\$UNIQUE_IDENTIFIER_0"/>
0191	</Attribute>
0192	</RequestPayload>
0193	</BatchItem>
0194	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="1"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>

0208	</BatchItem>
0209	</ResponseMessage>

163

164 3.2.6 SKFF-M-6-11

165 Create, Locate, Get, Destroy, Locate AES-192

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-6-11"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="AES"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0027	<AttributeValue type="Integer" value="192"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact
	Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>

0045	<ProtocolVersionMinor type="Integer" value="1"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
0056	value="\$UNIQUE_IDENTIFIER_0"/>
0057	</ResponsePayload>
0058	</BatchItem>
	</ResponseMessage>
0059	# TIME 1
0060	<RequestMessage>
0061	<RequestHeader>
0062	<ProtocolVersion>
0063	<ProtocolVersionMajor type="Integer" value="1"/>
0064	<ProtocolVersionMinor type="Integer" value="1"/>
0065	</ProtocolVersion>
0066	<BatchCount type="Integer" value="1"/>
0067	</RequestHeader>
0068	<BatchItem>
0069	<Operation type="Enumeration" value="Locate"/>
0070	<RequestPayload>
0071	<Attribute>
0072	<AttributeName type="TextString" value="Object Type"/>
0073	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0074	</Attribute>
0075	<Attribute>
0076	<AttributeName type="TextString" value="Name"/>
0077	<AttributeValue>
0078	<NameValue type="TextString" value="SKFF-M-6-11"/>
0079	<NameType type="Enumeration"
0080	value="UninterpretedTextString"/>
0081	</AttributeValue>
0082	</Attribute>
0083	</RequestPayload>
0084	</BatchItem>
0085	</RequestMessage>
0086	<ResponseMessage>
0087	<ResponseHeader>
0088	<ProtocolVersion>
0089	<ProtocolVersionMajor type="Integer" value="1"/>
0090	<ProtocolVersionMinor type="Integer" value="1"/>
0091	</ProtocolVersion>
0092	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0093	<BatchCount type="Integer" value="1"/>
0094	</ResponseHeader>
0095	<BatchItem>
0096	<Operation type="Enumeration" value="Locate"/>
0097	<ResultStatus type="Enumeration" value="Success"/>
0098	<ResponsePayload>
	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
	</ResponsePayload>

0099	</BatchItem>
0100	</ResponseMessage>
0101	# TIME 2
0102	<RequestMessage>
0103	<RequestHeader>
0104	<ProtocolVersion>
0105	<ProtocolVersionMajor type="Integer" value="1"/>
0106	<ProtocolVersionMinor type="Integer" value="1"/>
0107	</ProtocolVersion>
0108	<BatchCount type="Integer" value="1"/>
0109	</RequestHeader>
0110	<BatchItem>
0111	<Operation type="Enumeration" value="Get"/>
0112	<RequestPayload>
0113	<UniqueIdentifier type="TextString"
0114	value="\$UNIQUE_IDENTIFIER_0"/>
0115	</RequestPayload>
0116	</BatchItem>
0117	</RequestMessage>
0118	<ResponseMessage>
0119	<ResponseHeader>
0120	<ProtocolVersion>
0121	<ProtocolVersionMajor type="Integer" value="1"/>
0122	<ProtocolVersionMinor type="Integer" value="1"/>
0123	</ProtocolVersion>
0124	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0125	<BatchCount type="Integer" value="1"/>
0126	</ResponseHeader>
0127	<BatchItem>
0128	<Operation type="Enumeration" value="Get"/>
0129	<ResultStatus type="Enumeration" value="Success"/>
0130	<ResponsePayload>
0131	<ObjectType type="Enumeration" value="SymmetricKey"/>
0132	<UniqueIdentifier type="TextString"
0133	value="\$UNIQUE_IDENTIFIER_0"/>
0134	<SymmetricKey>
0135	<KeyBlock>
0136	<KeyFormatType type="Enumeration" value="Raw"/>
0137	<KeyValue>
0138	<KeyMaterial type="ByteString"
0139	value="ae2443611895beb460237aa0a86eld097d77e33307a8aaff"/>
0140	</KeyValue>
0141	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0142	<CryptographicLength type="Integer" value="192"/>
0143	</KeyBlock>
0144	</SymmetricKey>
0145	</ResponsePayload>
0146	</BatchItem>
0147	</ResponseMessage>
0148	# TIME 3
0149	<RequestMessage>
0150	<RequestHeader>
0151	<ProtocolVersion>
	<ProtocolVersionMajor type="Integer" value="1"/>
	<ProtocolVersionMinor type="Integer" value="1"/>
	</ProtocolVersion>
	<BatchCount type="Integer" value="1"/>
	</RequestHeader>

0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="1"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="1"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="1"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>

0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

166

167 3.2.7 SKFF-M-7-11

168 Create, Locate, Get, Destroy, Locate AES-256

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-7-11"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="AES"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0027	<AttributeValue type="Integer" value="256"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact
	Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>

0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="1"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
	# TIME 1
0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="1"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-7-11"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="1"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"

0098	value="\$UNIQUE_IDENTIFIER_0"/>
0099	</ResponsePayload>
0100	</BatchItem>
	</ResponseMessage>
0101	# TIME 2
0102	<RequestMessage>
0103	<RequestHeader>
0104	<ProtocolVersion>
0105	<ProtocolVersionMajor type="Integer" value="1"/>
0106	<ProtocolVersionMinor type="Integer" value="1"/>
0107	</ProtocolVersion>
0108	<BatchCount type="Integer" value="1"/>
0109	</BatchCount>
0110	<BatchItem>
0111	<Operation type="Enumeration" value="Get"/>
0112	<RequestPayload>
0113	<UniqueIdentifier type="TextString"
0114	value="\$UNIQUE_IDENTIFIER_0"/>
0115	</UniqueIdentifier>
0116	</RequestPayload>
0117	</BatchItem>
0118	</RequestMessage>
0119	<ResponseMessage>
0120	<ResponseHeader>
0121	<ProtocolVersion>
0122	<ProtocolVersionMajor type="Integer" value="1"/>
0123	<ProtocolVersionMinor type="Integer" value="1"/>
0124	</ProtocolVersion>
0125	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0126	<BatchCount type="Integer" value="1"/>
0127	</BatchCount>
0128	<ResponseHeader>
0129	<BatchItem>
0130	<Operation type="Enumeration" value="Get"/>
0131	<ResultStatus type="Enumeration" value="Success"/>
0132	<ResponsePayload>
0133	<ObjectType type="Enumeration" value="SymmetricKey"/>
0134	<UniqueIdentifier type="TextString"
0135	value="\$UNIQUE_IDENTIFIER_0"/>
0136	</UniqueIdentifier>
0137	<SymmetricKey>
0138	<KeyBlock>
0139	<KeyFormatType type="Enumeration" value="Raw"/>
0140	<KeyValue>
0141	<KeyMaterial type="ByteString"
0142	value="f88b2ddae98a018dc3b73df2b06895e548af3e1f93d66e40ea807b9078de0b18"/>
0143	</KeyMaterial>
0144	</KeyValue>
0145	</KeyBlock>
0146	</SymmetricKey>
0147	</ResponsePayload>
0148	</BatchItem>
	</ResponseMessage>
0149	# TIME 3
0150	<RequestMessage>
0151	<RequestHeader>
0152	<ProtocolVersion>
0153	<ProtocolVersionMajor type="Integer" value="1"/>
0154	<ProtocolVersionMinor type="Integer" value="1"/>

0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="1"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="1"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="1"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>

0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

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170 3.2.8 SKFF-M-8-11

171 Create, Locate, Get, Destroy, Locate DES3-168

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-8-11"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="DES3"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0027	<AttributeValue type="Integer" value="168"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact
	Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>

0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="1"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
# TIME 1	
0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="1"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-8-11"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="1"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>

0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
0098	value="\$UNIQUE_IDENTIFIER_0"/>
0099	</ResponsePayload>
0100	</BatchItem>
	</ResponseMessage>
	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="1"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
0113	value="\$UNIQUE_IDENTIFIER_0"/>
0114	</RequestPayload>
0115	</BatchItem>
	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="1"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
0131	value="\$UNIQUE_IDENTIFIER_0"/>
0132	<SymmetricKey>
0133	<KeyBlock>
0134	<KeyFormatType type="Enumeration" value="Raw"/>
0135	<KeyValue>
0136	<KeyMaterial type="ByteString"
0137	value="7367578051012a6d134a855e25c8cd5e4ca131455729d3c8"/>
0138	</KeyMaterial>
0139	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0140	<CryptographicLength type="Integer" value="168"/>
0141	</CryptographicLength>
0142	</KeyBlock>
0143	</SymmetricKey>
	</ResponsePayload>
	</BatchItem>
	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>

0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="1"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="1"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="1"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="1"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>

0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

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173 3.2.9 SKFF-M-9-11

174 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy AES-128

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0020	<AttributeValue type="Integer" value="128"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-M-9-11"/>
0026	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0027	</AttributeValue>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
0032	</Attribute>
0033	</TemplateAttribute>
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0044	<BatchCount type="Integer" value="1"/>
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0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
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0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
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0071	<ResponseMessage>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
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	# TIME 2

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0121	value="\$UNIQUE_IDENTIFIER_0"/>
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0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString"
0136	value="\$UNIQUE_IDENTIFIER_0"/>
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0138	</RequestPayload>
0139	</BatchItem>
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0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
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0158	</ResponsePayload>
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0168	</RequestHeader>
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0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-9-11"/>
0180	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
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0193	<BatchCount type="Integer" value="1"/>
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0197	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>

0200	</ResponsePayload>
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0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
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0233	value="\$UNIQUE_IDENTIFIER_0"/>
0234	<SymmetricKey>
0235	<KeyBlock>
0236	<KeyFormatType type="Enumeration" value="Raw"/>
0237	<KeyValue>
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0239	value="9c7d7c4fd2076f1909a6ba4342cab1de"/>
0240	</KeyValue>
0241	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0242	<CryptographicLength type="Integer" value="128"/>
0243	</KeyBlock>
0244	</SymmetricKey>
0245	</BatchItem>
0246	</ResponsePayload>
0247	</BatchItem>
0248	</ResponseMessage>
0246	# TIME 6
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0253	</RequestHeader>
0254	<BatchItem>
0255	<Operation type="Enumeration" value="Revoke"/>
0256	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration"
	value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-
	01T00:00:06+00:00"/>
0262	</RequestPayload>
0263	</BatchItem>
0264	</RequestMessage>
0265	<ResponseMessage>
0266	<ResponseHeader>
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0268	<ProtocolVersionMajor type="Integer" value="1"/>
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0272	<BatchCount type="Integer" value="1"/>
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0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
0280	</BatchItem>
0281	</ResponseMessage>
0282	# TIME 7
0283	<RequestMessage>
0284	<RequestHeader>
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0288	</ProtocolVersion>
0289	<BatchCount type="Integer" value="1"/>
0290	</RequestHeader>
0291	<BatchItem>
0292	<Operation type="Enumeration" value="GetAttributes"/>
0293	<RequestPayload>
0294	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0295	<AttributeName type="TextString" value="State"/>
0296	</RequestPayload>
0297	</BatchItem>
0298	</RequestMessage>
0299	<ResponseMessage>
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0305	<BatchCount type="Integer" value="1"/>
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0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
0317	</BatchItem>
0318	</ResponseMessage>
# TIME 8	
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0328	<Operation type="Enumeration" value="GetAttributeList"/>
0329	<RequestPayload>
0330	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
0332	</BatchItem>
0333	</RequestMessage>
0334	<ResponseMessage>
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0341	<BatchCount type="Integer" value="1"/>
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0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage

0356	Mask"/>
0357	<AttributeName type="TextString" value="Digest"/>
0358	<AttributeName type="TextString" value="Fresh"/>
0359	<AttributeName type="TextString" value="Initial Date"/>
0360	<AttributeName type="TextString" value="Last Change Date"/>
0361	<AttributeName type="TextString" value="Lease Time"/>
0362	<AttributeName type="TextString" value="Name"/>
0363	<AttributeName type="TextString" value="Revocation Reason"/>
0364	<AttributeName type="TextString" value="State"/>
0365	</ResponsePayload>
0366	</BatchItem>
0367	</ResponseMessage>
0368	# TIME 9
0369	<RequestMessage>
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0379	<RequestPayload>
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0381	<AttributeName type="TextString" value="State"/>
0382	</RequestPayload>
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0385	<ResponseMessage>
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0392	<BatchCount type="Integer" value="1"/>
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0394	<BatchItem>
0395	<Operation type="Enumeration" value="GetAttributes"/>
0396	<ResultStatus type="Enumeration" value="Success"/>
0397	<ResponsePayload>
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0401	<AttributeValue type="Enumeration" value="Compromised"/>
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0405	</ResponseMessage>
0406	# TIME 10
0407	<RequestMessage>
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0412	<BatchItem>
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0414	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0415	<RequestPayload>
0416	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0417	<Attribute>
0418	<AttributeName type="TextString" value="x-attribute1"/>
0419	<AttributeValue type="TextString" value="Value1"/>
0420	</Attribute>
0421	</RequestPayload>
0422	</BatchItem>
0423	<BatchItem>
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0425	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0429	<AttributeName type="TextString" value="x-attribute2"/>
0430	<AttributeValue type="TextString" value="Value2"/>
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0434	</RequestMessage>
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0442	<BatchCount type="Integer" value="2"/>
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0446	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0447	<ResultStatus type="Enumeration" value="Success"/>
0448	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0450	<Attribute>
0451	<AttributeName type="TextString" value="x-attribute1"/>
0452	<AttributeValue type="TextString" value="Value1"/>
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0456	<BatchItem>
0457	<Operation type="Enumeration" value="AddAttribute"/>
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0459	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0463	<AttributeName type="TextString" value="x-attribute2"/>
0464	<AttributeValue type="TextString" value="Value2"/>
0465	</Attribute>
0466	</ResponsePayload>
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0468	</ResponseMessage>
# TIME 11	
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0479	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
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0482	value="\$UNIQUE_IDENTIFIER_0"/>
0483	<Attribute>
0484	<AttributeName type="TextString" value="x-attribute1"/>
0485	<AttributeValue type="TextString" value="ModifiedValue1"/>
0486	</Attribute>
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0494	value="\$UNIQUE_IDENTIFIER_0"/>
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0496	<AttributeName type="TextString" value="x-attribute2"/>
0497	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0514	<ResultStatus type="Enumeration" value="Success"/>
0515	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
	<Attribute>
	<AttributeName type="TextString" value="x-attribute1"/>

0517	<AttributeValue type="TextString" value="ModifiedValue1"/>
0518	</Attribute>
0519	</ResponsePayload>
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0524	<ResultStatus type="Enumeration" value="Success"/>
0525	<ResponsePayload>
0526	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0527	<Attribute>
0528	<AttributeName type="TextString" value="x-attribute2"/>
0529	<AttributeValue type="TextString" value="ModifiedValue2"/>
0530	</Attribute>
0531	</ResponsePayload>
0532	</BatchItem>
0533	</ResponseMessage>
	# TIME 12
0534	<RequestMessage>
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0544	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0545	<RequestPayload>
0546	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0547	<AttributeName type="TextString" value="x-attribute1"/>
0548	</RequestPayload>
0549	</BatchItem>
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0556	</RequestPayload>
0557	</BatchItem>
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0575	<AttributeName type="TextString" value="x-attribute1"/>
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0583	<ResultStatus type="Enumeration" value="Success"/>
0584	<ResponsePayload>
0585	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0586	<Attribute>
0587	<AttributeName type="TextString" value="x-attribute2"/>
0588	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0592	</ResponseMessage>
	# TIME 13
0593	<RequestMessage>
0594	<RequestHeader>
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0615	<BatchCount type="Integer" value="1"/>
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0665	</ResponsePayload>
0666	</BatchItem>
0667	</ResponseMessage>

175

176 3.2.10 SKFF-M-10-11

177 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,
178 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy AES-128

	# TIME 0
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0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="AES"/>
0018	</Attribute>
0019	<Attribute>
0020	<AttributeName type="TextString" value="Cryptographic
0021	Length"/>
0022	<AttributeValue type="Integer" value="192"/>
0023	</Attribute>
0024	<Attribute>
0025	<AttributeName type="TextString" value="Name"/>
0026	<AttributeValue>
0027	<NameValue type="TextString" value="SKFF-M-10-11"/>
0028	<NameType type="Enumeration"
0029	value="UninterpretedTextString"/>
0030	</AttributeValue>
0031	</Attribute>
0032	<Attribute>
0033	<AttributeName type="TextString" value="Cryptographic
0034	Usage Mask"/>
0035	<AttributeValue type="Integer" value="Encrypt"/>
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0056	value="\$UNIQUE_IDENTIFIER_0"/>
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0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
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0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
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0180	<NameType type="Enumeration"
0181	value="UninterpretedTextString"/>
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0233	<SymmetricKey>
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	value="13e1e3d7b4e630dc4582869ce7e8d27e1c5f31fdec2abee1"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0240	<CryptographicLength type="Integer" value="192"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
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0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration"
	value="KeyCompromise"/>
0260	</RevocationReason>
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	01T00:00:00+00:00"/>
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0272	<BatchCount type="Integer" value="1"/>
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0276	<ResultStatus type="Enumeration" value="Success"/>
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0279	</ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Revocation Reason"/>
0363	<AttributeName type="TextString" value="State"/>
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0366	</ResponseMessage>
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0367	<RequestMessage>
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0429	<AttributeName type="TextString" value="x-attribute2"/>
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0665	</ResponsePayload>
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0667	</ResponseMessage>

179

180 3.2.11 SKFF-M-11-11

181 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,
182 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy AES-256

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	Algorithm"/>
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0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic

0020	Length"/>
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0027	<NameType type="Enumeration"
0028	value="UninterpretedTextString"/>
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0030	</Attribute>
0031	<Attribute>
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0033	Usage Mask"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0137	</RequestPayload>
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0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
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0179	<NameValue type="TextString" value="SKFF-M-11-11"/>

0180	<NameType type="Enumeration"
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0238	</KeyValue>
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	value="\$UNIQUE_IDENTIFIER 0"/>
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0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
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0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Revocation Reason"/>
0363	<AttributeName type="TextString" value="State"/>
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0665	</ResponsePayload>
0666	</BatchItem>
0667	</ResponseMessage>

183

184 3.2.12 SKFF-M-12-11

185 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,
186 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy 3DES-168

	# TIME 0
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	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="DES3"/>
0017	</Attribute>
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0019	<AttributeName type="TextString" value="Cryptographic
	Length"/>
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0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
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0026	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
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	Usage Mask"/>
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0260	</RevocationReason>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic

0352	Length"/>
0353	<AttributeName type="TextString" value="Activation Date"/>
0354	<AttributeName type="TextString" value="Compromise Date"/>
0355	<AttributeName type="TextString" value="Compromise Occurrence Date"/>
0356	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0357	<AttributeName type="TextString" value="Digest"/>
0358	<AttributeName type="TextString" value="Fresh"/>
0359	<AttributeName type="TextString" value="Initial Date"/>
0360	<AttributeName type="TextString" value="Last Change Date"/>
0361	<AttributeName type="TextString" value="Lease Time"/>
0362	<AttributeName type="TextString" value="Name"/>
0363	<AttributeName type="TextString" value="Revocation Reason"/>
0364	<AttributeName type="TextString" value="State"/>
0365	</ResponsePayload>
0366	</BatchItem>
0367	</ResponseMessage>
0368	# TIME 9
0369	<RequestMessage>
0370	<RequestHeader>
0371	<ProtocolVersion>
0372	<ProtocolVersionMajor type="Integer" value="1"/>
0373	<ProtocolVersionMinor type="Integer" value="1"/>
0374	</ProtocolVersion>
0375	<BatchCount type="Integer" value="1"/>
0376	</RequestHeader>
0377	<BatchItem>
0378	<Operation type="Enumeration" value="GetAttributes"/>
0379	<RequestPayload>
0380	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0381	<AttributeName type="TextString" value="State"/>
0382	</RequestPayload>
0383	</BatchItem>
0384	</RequestMessage>
0385	<ResponseMessage>
0386	<ResponseHeader>
0387	<ProtocolVersion>
0388	<ProtocolVersionMajor type="Integer" value="1"/>
0389	<ProtocolVersionMinor type="Integer" value="1"/>
0390	</ProtocolVersion>
0391	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0392	<BatchCount type="Integer" value="1"/>
0393	</ResponseHeader>
0394	<BatchItem>
0395	<Operation type="Enumeration" value="GetAttributes"/>
0396	<ResultStatus type="Enumeration" value="Success"/>
0397	<ResponsePayload>
0398	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0399	<Attribute>
0400	<AttributeName type="TextString" value="State"/>
0401	<AttributeValue type="Enumeration" value="Compromised"/>
0402	</Attribute>
0403	</ResponsePayload>
0404	</BatchItem>
0405	</ResponseMessage>

	# TIME 10
0404	<RequestMessage>
0405	<RequestHeader>
0406	<ProtocolVersion>
0407	<ProtocolVersionMajor type="Integer" value="1"/>
0408	<ProtocolVersionMinor type="Integer" value="1"/>
0409	</ProtocolVersion>
0410	<BatchCount type="Integer" value="2"/>
0411	</RequestHeader>
0412	<BatchItem>
0413	<Operation type="Enumeration" value="AddAttribute"/>
0414	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0415	<RequestPayload>
0416	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0417	<Attribute>
0418	<AttributeName type="TextString" value="x-attribute1"/>
0419	<AttributeValue type="TextString" value="Value1"/>
0420	</Attribute>
0421	</RequestPayload>
0422	</BatchItem>
0423	<BatchItem>
0424	<Operation type="Enumeration" value="AddAttribute"/>
0425	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0426	<RequestPayload>
0427	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0428	<Attribute>
0429	<AttributeName type="TextString" value="x-attribute2"/>
0430	<AttributeValue type="TextString" value="Value2"/>
0431	</Attribute>
0432	</RequestPayload>
0433	</BatchItem>
0434	</RequestMessage>
0435	<ResponseMessage>
0436	<ResponseHeader>
0437	<ProtocolVersion>
0438	<ProtocolVersionMajor type="Integer" value="1"/>
0439	<ProtocolVersionMinor type="Integer" value="1"/>
0440	</ProtocolVersion>
0441	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0442	<BatchCount type="Integer" value="2"/>
0443	</ResponseHeader>
0444	<BatchItem>
0445	<Operation type="Enumeration" value="AddAttribute"/>
0446	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0447	<ResultStatus type="Enumeration" value="Success"/>
0448	<ResponsePayload>
0449	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0450	<Attribute>
0451	<AttributeName type="TextString" value="x-attribute1"/>
0452	<AttributeValue type="TextString" value="Value1"/>
0453	</Attribute>
0454	</ResponsePayload>
0455	</BatchItem>
0456	<BatchItem>
0457	<Operation type="Enumeration" value="AddAttribute"/>

0458	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0459	<ResultStatus type="Enumeration" value="Success"/>
0460	<ResponsePayload>
0461	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0462	<Attribute>
0463	<AttributeName type="TextString" value="x-attribute2"/>
0464	<AttributeValue type="TextString" value="Value2"/>
0465	</Attribute>
0466	</ResponsePayload>
0467	</BatchItem>
0468	</ResponseMessage>
	# TIME 11
0469	<RequestMessage>
0470	<RequestHeader>
0471	<ProtocolVersion>
0472	<ProtocolVersionMajor type="Integer" value="1"/>
0473	<ProtocolVersionMinor type="Integer" value="1"/>
0474	</ProtocolVersion>
0475	<BatchCount type="Integer" value="2"/>
0476	</RequestHeader>
0477	<BatchItem>
0478	<Operation type="Enumeration" value="ModifyAttribute"/>
0479	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0480	<RequestPayload>
0481	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0482	<Attribute>
0483	<AttributeName type="TextString" value="x-attribute1"/>
0484	<AttributeValue type="TextString" value="ModifiedValue1"/>
0485	</Attribute>
0486	</RequestPayload>
0487	</BatchItem>
0488	<BatchItem>
0489	<Operation type="Enumeration" value="ModifyAttribute"/>
0490	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0491	<RequestPayload>
0492	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0493	<Attribute>
0494	<AttributeName type="TextString" value="x-attribute2"/>
0495	<AttributeValue type="TextString" value="ModifiedValue2"/>
0496	</Attribute>
0497	</RequestPayload>
0498	</BatchItem>
0499	</RequestMessage>
0500	<ResponseMessage>
0501	<ResponseHeader>
0502	<ProtocolVersion>
0503	<ProtocolVersionMajor type="Integer" value="1"/>
0504	<ProtocolVersionMinor type="Integer" value="1"/>
0505	</ProtocolVersion>
0506	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0507	<BatchCount type="Integer" value="2"/>
0508	</ResponseHeader>
0509	<BatchItem>
0510	<Operation type="Enumeration" value="ModifyAttribute"/>
0511	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>

0512	<ResultStatus type="Enumeration" value="Success"/>
0513	<ResponsePayload>
0514	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0515	<Attribute>
0516	<AttributeName type="TextString" value="x-attribute1"/>
0517	<AttributeValue type="TextString" value="ModifiedValue1"/>
0518	</Attribute>
0519	</ResponsePayload>
0520	</BatchItem>
0521	<BatchItem>
0522	<Operation type="Enumeration" value="ModifyAttribute"/>
0523	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0524	<ResultStatus type="Enumeration" value="Success"/>
0525	<ResponsePayload>
0526	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0527	<Attribute>
0528	<AttributeName type="TextString" value="x-attribute2"/>
0529	<AttributeValue type="TextString" value="ModifiedValue2"/>
0530	</Attribute>
0531	</ResponsePayload>
0532	</BatchItem>
0533	</ResponseMessage>
	# TIME 12
0534	<RequestMessage>
0535	<RequestHeader>
0536	<ProtocolVersion>
0537	<ProtocolVersionMajor type="Integer" value="1"/>
0538	<ProtocolVersionMinor type="Integer" value="1"/>
0539	</ProtocolVersion>
0540	<BatchCount type="Integer" value="2"/>
0541	</RequestHeader>
0542	<BatchItem>
0543	<Operation type="Enumeration" value="DeleteAttribute"/>
0544	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0545	<RequestPayload>
0546	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0547	<AttributeName type="TextString" value="x-attribute1"/>
0548	</RequestPayload>
0549	</BatchItem>
0550	<BatchItem>
0551	<Operation type="Enumeration" value="DeleteAttribute"/>
0552	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0553	<RequestPayload>
0554	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0555	<AttributeName type="TextString" value="x-attribute2"/>
0556	</RequestPayload>
0557	</BatchItem>
0558	</RequestMessage>
0559	<ResponseMessage>
0560	<ResponseHeader>
0561	<ProtocolVersion>
0562	<ProtocolVersionMajor type="Integer" value="1"/>
0563	<ProtocolVersionMinor type="Integer" value="1"/>
0564	</ProtocolVersion>

0565	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0566	<BatchCount type="Integer" value="2"/>
0567	</ResponseHeader>
0568	<BatchItem>
0569	<Operation type="Enumeration" value="DeleteAttribute"/>
0570	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0571	<ResultStatus type="Enumeration" value="Success"/>
0572	<ResponsePayload>
0573	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0574	<Attribute>
0575	<AttributeName type="TextString" value="x-attribute1"/>
0576	<AttributeValue type="TextString" value="ModifiedValue1"/>
0577	</Attribute>
0578	</ResponsePayload>
0579	</BatchItem>
0580	<BatchItem>
0581	<Operation type="Enumeration" value="DeleteAttribute"/>
0582	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0583	<ResultStatus type="Enumeration" value="Success"/>
0584	<ResponsePayload>
0585	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0586	<Attribute>
0587	<AttributeName type="TextString" value="x-attribute2"/>
0588	<AttributeValue type="TextString" value="ModifiedValue2"/>
0589	</Attribute>
0590	</ResponsePayload>
0591	</BatchItem>
0592	</ResponseMessage>
	# TIME 13
0593	<RequestMessage>
0594	<RequestHeader>
0595	<ProtocolVersion>
0596	<ProtocolVersionMajor type="Integer" value="1"/>
0597	<ProtocolVersionMinor type="Integer" value="1"/>
0598	</ProtocolVersion>
0599	<BatchCount type="Integer" value="1"/>
0600	</RequestHeader>
0601	<BatchItem>
0602	<Operation type="Enumeration" value="Get"/>
0603	<RequestPayload>
0604	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0605	</RequestPayload>
0606	</BatchItem>
0607	</RequestMessage>
0608	<ResponseMessage>
0609	<ResponseHeader>
0610	<ProtocolVersion>
0611	<ProtocolVersionMajor type="Integer" value="1"/>
0612	<ProtocolVersionMinor type="Integer" value="1"/>
0613	</ProtocolVersion>
0614	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0615	<BatchCount type="Integer" value="1"/>
0616	</ResponseHeader>
0617	<BatchItem>
0618	<Operation type="Enumeration" value="Get"/>

0619	<ResultStatus type="Enumeration" value="Success"/>
0620	<ResponsePayload>
0621	<ObjectType type="Enumeration" value="SymmetricKey"/>
0622	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0623	<SymmetricKey>
0624	<KeyBlock>
0625	<KeyFormatType type="Enumeration" value="Raw"/>
0626	<KeyValue>
0627	<KeyMaterial type="ByteString"
	value="ea9dc7c4e5d92a3b5bbf0b1c8c136e20eca137a88afb9745"/>
0628	</KeyValue>
0629	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0630	<CryptographicLength type="Integer" value="168"/>
0631	</KeyBlock>
0632	</SymmetricKey>
0633	</ResponsePayload>
0634	</BatchItem>
0635	</ResponseMessage>
	# TIME 14
0636	<RequestMessage>
0637	<RequestHeader>
0638	<ProtocolVersion>
0639	<ProtocolVersionMajor type="Integer" value="1"/>
0640	<ProtocolVersionMinor type="Integer" value="1"/>
0641	</ProtocolVersion>
0642	<BatchCount type="Integer" value="1"/>
0643	</RequestHeader>
0644	<BatchItem>
0645	<Operation type="Enumeration" value="Destroy"/>
0646	<RequestPayload>
0647	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0648	</RequestPayload>
0649	</BatchItem>
0650	</RequestMessage>
0651	<ResponseMessage>
0652	<ResponseHeader>
0653	<ProtocolVersion>
0654	<ProtocolVersionMajor type="Integer" value="1"/>
0655	<ProtocolVersionMinor type="Integer" value="1"/>
0656	</ProtocolVersion>
0657	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0658	<BatchCount type="Integer" value="1"/>
0659	</ResponseHeader>
0660	<BatchItem>
0661	<Operation type="Enumeration" value="Destroy"/>
0662	<ResultStatus type="Enumeration" value="Success"/>
0663	<ResponsePayload>
0664	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0665	</ResponsePayload>
0666	</BatchItem>
0667	</ResponseMessage>

3.3 Mandatory Test Cases KMIP 1.2

This section documents the test cases that a client or server conformant to the Symmetric Key Foundry (FIPS140) Profile SHALL support under KMIP Specification 1.2.

3.3.1 SKFF-M-1-12

Create, Destroy AES-128

```
# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="2"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0016           <AttributeValue type="Enumeration" value="AES"/>
0017         </Attribute>
0018         <Attribute>
0019           <AttributeName type="TextString" value="Cryptographic
Length"/>
0020           <AttributeValue type="Integer" value="128"/>
0021         </Attribute>
0022         <Attribute>
0023           <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0024           <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025         </Attribute>
0026       </TemplateAttribute>
0027     </RequestPayload>
0028   </BatchItem>
0029 </RequestMessage>
0030 <ResponseMessage>
0031   <ResponseHeader>
0032     <ProtocolVersion>
0033       <ProtocolVersionMajor type="Integer" value="1"/>
0034       <ProtocolVersionMinor type="Integer" value="2"/>
0035     </ProtocolVersion>
0036     <TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037     <BatchCount type="Integer" value="1"/>
0038   </ResponseHeader>
0039   <BatchItem>
0040     <Operation type="Enumeration" value="Create"/>
0041     <ResultStatus type="Enumeration" value="Success"/>
0042     <ResponsePayload>
0043       <ObjectType type="Enumeration" value="SymmetricKey"/>
0044       <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0045     </ResponsePayload>
```

0046	</BatchItem>
0047	</ResponseMessage>
# TIME 1	
0048	<RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="2"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="2"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

193

194 3.3.2 SKFF-M-2-12

195 Create, Destroy AES-192

# TIME 0	
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>

0015	<AttributeName type="TextString" value="Cryptographic
0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="AES"/>
0018	</Attribute>
0019	<AttributeName type="TextString" value="Cryptographic
0020	Length"/>
0021	<AttributeValue type="Integer" value="192"/>
0022	</Attribute>
0023	<AttributeName type="TextString" value="Cryptographic
0024	Usage Mask"/>
0025	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0026	</Attribute>
0027	</TemplateAttribute>
0028	</RequestPayload>
0029	</BatchItem>
0030	</RequestMessage>
0031	<ResponseMessage>
0032	<ResponseHeader>
0033	<ProtocolVersion>
0034	<ProtocolVersionMajor type="Integer" value="1"/>
0035	<ProtocolVersionMinor type="Integer" value="2"/>
0036	</ProtocolVersion>
0037	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0038	<BatchCount type="Integer" value="1"/>
0039	</ResponseHeader>
0040	<BatchItem>
0041	<Operation type="Enumeration" value="Create"/>
0042	<ResultStatus type="Enumeration" value="Success"/>
0043	<ResponsePayload>
0044	<ObjectType type="Enumeration" value="SymmetricKey"/>
0045	<UniqueIdentifier type="TextString"
0046	value="\$UNIQUE_IDENTIFIER_0"/>
0047	</ResponsePayload>
0048	</BatchItem>
0049	</ResponseMessage>
0050	# TIME 1
0051	<RequestMessage>
0052	<RequestHeader>
0053	<ProtocolVersion>
0054	<ProtocolVersionMajor type="Integer" value="1"/>
0055	<ProtocolVersionMinor type="Integer" value="2"/>
0056	</ProtocolVersion>
0057	<BatchCount type="Integer" value="1"/>
0058	</RequestHeader>
0059	<BatchItem>
0060	<Operation type="Enumeration" value="Destroy"/>
0061	<RequestPayload>
0062	<UniqueIdentifier type="TextString"
0063	value="\$UNIQUE_IDENTIFIER_0"/>
0064	</RequestPayload>
0065	</BatchItem>
0066	</RequestMessage>
0067	<ResponseMessage>
0068	<ResponseHeader>
0069	<ProtocolVersion>
0070	<ProtocolVersionMajor type="Integer" value="1"/>

0067	<ProtocolVersionMinor type="Integer" value="2"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

196

197 3.3.3 SKFF-M-3-12

198 Create, Destroy AES-256

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0020	<AttributeValue type="Integer" value="256"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="2"/>

0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString"
0045	value="\$UNIQUE_IDENTIFIER_0"/>
0046	</ResponsePayload>
0047	</BatchItem>
0048	</ResponseMessage>
# TIME 1	
0048	<RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="2"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
0060	value="\$UNIQUE_IDENTIFIER_0"/>
0061	</RequestPayload>
0062	</BatchItem>
0063	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="2"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
0077	value="\$UNIQUE_IDENTIFIER_0"/>
0078	</ResponsePayload>
0079	</BatchItem>
0079	</ResponseMessage>

199

200 3.3.4 SKFF-M-4-12

201 Create, Destroy DES3-168

# TIME 0	
0001	<RequestMessage>
0002	<RequestHeader>

0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="DES3"/>
0018	</Attribute>
0019	<Attribute>
0020	<AttributeName type="TextString" value="Cryptographic
0021	Length"/>
0022	<AttributeValue type="Integer" value="168"/>
0023	</Attribute>
0024	<Attribute>
0025	<AttributeName type="TextString" value="Cryptographic
0026	Usage Mask"/>
0027	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0028	</Attribute>
0029	</TemplateAttribute>
0030	</RequestPayload>
0031	</BatchItem>
0032	</RequestMessage>
0033	<ResponseMessage>
0034	<ResponseHeader>
0035	<ProtocolVersion>
0036	<ProtocolVersionMajor type="Integer" value="1"/>
0037	<ProtocolVersionMinor type="Integer" value="2"/>
0038	</ProtocolVersion>
0039	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0040	<BatchCount type="Integer" value="1"/>
0041	</ResponseHeader>
0042	<BatchItem>
0043	<Operation type="Enumeration" value="Create"/>
0044	<ResultStatus type="Enumeration" value="Success"/>
0045	<ResponsePayload>
0046	<ObjectType type="Enumeration" value="SymmetricKey"/>
0047	<UniqueIdentifier type="TextString"
0048	value="\$UNIQUE_IDENTIFIER_0"/>
0049	</ResponsePayload>
0050	</BatchItem>
0051	</ResponseMessage>
0052	# TIME 1
0053	<RequestMessage>
0054	<RequestHeader>
0055	<ProtocolVersion>
	<ProtocolVersionMajor type="Integer" value="1"/>
	<ProtocolVersionMinor type="Integer" value="2"/>
	</ProtocolVersion>
	<BatchCount type="Integer" value="1"/>
	</RequestHeader>

0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="2"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

202

203 3.3.5 SKFF-M-5-12

204 Create, Locate, Get, Destroy, Locate AES-128

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-5-12"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic"
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="AES"/>

0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic Length"/>
0027	<AttributeValue type="Integer" value="128"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="2"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
# TIME 1	
0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="2"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>

0077	<NameValue type="TextString" value="SKFF-M-5-12"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="2"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="2"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="2"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"

0131	value="\$UNIQUE_IDENTIFIER_0"/>
0132	<SymmetricKey>
0133	<KeyBlock>
0134	<KeyFormatType type="Enumeration" value="Raw"/>
0135	<KeyValue>
0136	<KeyMaterial type="ByteString"
0137	value="ff52f70583d7321722c6d4e5e4605071"/>
0138	</KeyValue>
0139	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0140	<CryptographicLength type="Integer" value="128"/>
0141	</KeyBlock>
0142	</SymmetricKey>
0143	</ResponsePayload>
0144	</BatchItem>
0145	</ResponseMessage>
0146	# TIME 3
0147	<RequestMessage>
0148	<RequestHeader>
0149	<ProtocolVersion>
0150	<ProtocolVersionMajor type="Integer" value="1"/>
0151	<ProtocolVersionMinor type="Integer" value="2"/>
0152	</ProtocolVersion>
0153	<BatchCount type="Integer" value="1"/>
0154	</RequestHeader>
0155	<BatchItem>
0156	<Operation type="Enumeration" value="Destroy"/>
0157	<RequestPayload>
0158	<UniqueIdentifier type="TextString"
0159	value="\$UNIQUE_IDENTIFIER_0"/>
0160	</RequestPayload>
0161	</BatchItem>
0162	</RequestMessage>
0163	<ResponseMessage>
0164	<ResponseHeader>
0165	<ProtocolVersion>
0166	<ProtocolVersionMajor type="Integer" value="1"/>
0167	<ProtocolVersionMinor type="Integer" value="2"/>
0168	</ProtocolVersion>
0169	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0170	<BatchCount type="Integer" value="1"/>
0171	</ResponseHeader>
0172	<BatchItem>
0173	<Operation type="Enumeration" value="Destroy"/>
0174	<ResultStatus type="Enumeration" value="Success"/>
0175	<ResponsePayload>
0176	<UniqueIdentifier type="TextString"
0177	value="\$UNIQUE_IDENTIFIER_0"/>
0178	</ResponsePayload>
0179	</BatchItem>
0180	</ResponseMessage>
0181	# TIME 4
0182	<RequestMessage>
0183	<RequestHeader>
0184	<ProtocolVersion>
0185	<ProtocolVersionMajor type="Integer" value="1"/>
0186	<ProtocolVersionMinor type="Integer" value="2"/>
0187	</ProtocolVersion>
0188	<BatchCount type="Integer" value="1"/>

0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="2"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

205

206 3.3.6 SKFF-M-6-12

207 Create, Locate, Get, Destroy, Locate AES-192

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-6-12"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic"

0023	Algorithm"/>
0024	<AttributeValue type="Enumeration" value="AES"/>
0025	</Attribute>
0026	<Attribute>
0027	<AttributeName type="TextString" value="Cryptographic
0028	Length"/>
0029	<AttributeValue type="Integer" value="192"/>
0030	</Attribute>
0031	<Attribute>
0032	<AttributeName type="TextString" value="Cryptographic
0033	Usage Mask"/>
0034	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0035	</Attribute>
0036	<Attribute>
0037	<AttributeName type="TextString" value="Contact
0038	Information"/>
0039	<AttributeValue type="TextString" value="Joe"/>
0040	</Attribute>
0041	</TemplateAttribute>
0042	</RequestPayload>
0043	</BatchItem>
0044	</RequestMessage>
0045	<ResponseMessage>
0046	<ResponseHeader>
0047	<ProtocolVersion>
0048	<ProtocolVersionMajor type="Integer" value="1"/>
0049	<ProtocolVersionMinor type="Integer" value="2"/>
0050	</ProtocolVersion>
0051	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0052	<BatchCount type="Integer" value="1"/>
0053	</ResponseHeader>
0054	<BatchItem>
0055	<Operation type="Enumeration" value="Create"/>
0056	<ResultStatus type="Enumeration" value="Success"/>
0057	<ResponsePayload>
0058	<ObjectType type="Enumeration" value="SymmetricKey"/>
0059	<UniqueIdentifier type="TextString"
0060	value="\$UNIQUE_IDENTIFIER_0"/>
0061	</ResponsePayload>
0062	</BatchItem>
0063	</ResponseMessage>
0064	# TIME 1
0065	<RequestMessage>
0066	<RequestHeader>
0067	<ProtocolVersion>
0068	<ProtocolVersionMajor type="Integer" value="1"/>
0069	<ProtocolVersionMinor type="Integer" value="2"/>
0070	</ProtocolVersion>
0071	<BatchCount type="Integer" value="1"/>
0072	</RequestHeader>
0073	<BatchItem>
0074	<Operation type="Enumeration" value="Locate"/>
0075	<RequestPayload>
0076	<Attribute>
0077	<AttributeName type="TextString" value="Object Type"/>
0078	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0079	</Attribute>
0080	</RequestPayload>
0081	</BatchItem>
0082	</RequestMessage>

0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-6-12"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="2"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="2"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="2"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>

0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="ae2443611895beb460237aa0a86e1d097d77e33307a8aaff"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0138	<CryptographicLength type="Integer" value="192"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="2"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="2"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="2"/>

0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="2"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

208

209 3.3.7 SKFF-M-7-12

210 Create, Locate, Get, Destroy, Locate AES-256

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-7-12"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>

0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0023	<AttributeValue type="Enumeration" value="AES"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic Length"/>
0027	<AttributeValue type="Integer" value="256"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="2"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
0059	# TIME 1
0060	<RequestMessage>
0061	<RequestHeader>
0062	<ProtocolVersion>
0063	<ProtocolVersionMajor type="Integer" value="1"/>
0064	<ProtocolVersionMinor type="Integer" value="2"/>
0065	</ProtocolVersion>
0066	<BatchCount type="Integer" value="1"/>
0067	</RequestHeader>
0068	<BatchItem>
0069	<Operation type="Enumeration" value="Locate"/>
0070	<RequestPayload>
0071	<Attribute>
0072	<AttributeName type="TextString" value="Object Type"/>
	<AttributeValue type="Enumeration" value="SymmetricKey"/>

0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-7-12"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="2"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="2"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="2"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>

0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="f88b2ddae98a018dc3b73df2b06895e548af3e1f93d66e40ea807b9078de0b18"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0138	<CryptographicLength type="Integer" value="256"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="2"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="2"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>

0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="2"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="2"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

211

212 3.3.8 SKFF-M-8-12

213 Create, Locate, Get, Destroy, Locate DES3-168

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-M-8-12"/>
0018	<NameType type="Enumeration"

0019	value="UninterpretedTextString"/>
0020	</AttributeValue>
0021	</Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
0023	Algorithm"/>
0024	<AttributeValue type="Enumeration" value="DES3"/>
0025	</Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
0027	Length"/>
0028	<AttributeValue type="Integer" value="168"/>
0029	</Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
0031	Usage Mask"/>
0032	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0033	</Attribute>
0034	<AttributeName type="TextString" value="Contact
0035	Information"/>
0036	<AttributeValue type="TextString" value="Joe"/>
0037	</Attribute>
0038	</TemplateAttribute>
0039	</RequestPayload>
0040	</BatchItem>
0041	</RequestMessage>
0042	<ResponseMessage>
0043	<ResponseHeader>
0044	<ProtocolVersion>
0045	<ProtocolVersionMajor type="Integer" value="1"/>
0046	<ProtocolVersionMinor type="Integer" value="2"/>
0047	</ProtocolVersion>
0048	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0049	<BatchCount type="Integer" value="1"/>
0050	</ResponseHeader>
0051	<BatchItem>
0052	<Operation type="Enumeration" value="Create"/>
0053	<ResultStatus type="Enumeration" value="Success"/>
0054	<ResponsePayload>
0055	<ObjectType type="Enumeration" value="SymmetricKey"/>
0056	<UniqueIdentifier type="TextString"
0057	value="\$UNIQUE_IDENTIFIER_0"/>
0058	</ResponsePayload>
0059	</BatchItem>
0060	</ResponseMessage>
0061	# TIME 1
0062	<RequestMessage>
0063	<RequestHeader>
0064	<ProtocolVersion>
0065	<ProtocolVersionMajor type="Integer" value="1"/>
0066	<ProtocolVersionMinor type="Integer" value="2"/>
0067	</ProtocolVersion>
0068	<BatchCount type="Integer" value="1"/>
0069	</RequestHeader>
0070	<BatchItem>
0071	<Operation type="Enumeration" value="Locate"/>
0072	<RequestPayload>

0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-M-8-12"/>
0078	<NameType type="Enumeration"
0079	value="UninterpretedTextString"/>
0080	</AttributeValue>
0081	</Attribute>
0082	</RequestPayload>
0083	</BatchItem>
0084	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="2"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
0098	value="\$UNIQUE_IDENTIFIER_0"/>
0099	</ResponsePayload>
0100	</BatchItem>
0101	</ResponseMessage>
0101	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="2"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
0113	value="\$UNIQUE_IDENTIFIER_0"/>
0114	</RequestPayload>
0115	</BatchItem>
0116	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="2"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>

0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="7367578051012a6d134a855e25c8cd5e4ca131455729d3c8"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0138	<CryptographicLength type="Integer" value="168"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="2"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="2"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4

0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="2"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
0190	value="\$UNIQUE_IDENTIFIER_0"/>
0191	</Attribute>
0192	</RequestPayload>
0193	</BatchItem>
0194	</RequestMessage>
0195	<ResponseMessage>
0196	<ResponseHeader>
0197	<ProtocolVersion>
0198	<ProtocolVersionMajor type="Integer" value="1"/>
0199	<ProtocolVersionMinor type="Integer" value="2"/>
0200	</ProtocolVersion>
0201	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0202	<BatchCount type="Integer" value="1"/>
0203	</ResponseHeader>
0204	<BatchItem>
0205	<Operation type="Enumeration" value="Locate"/>
0206	<ResultStatus type="Enumeration" value="Success"/>
0207	<ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

214

215 3.3.9 SKFF-M-9-12

216 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy AES-128

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>

0016	<AttributeValue type="Enumeration" value="AES"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0020	<AttributeValue type="Integer" value="128"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-M-9-12"/>
0026	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0027	</AttributeValue>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
0032	</Attribute>
0033	</TemplateAttribute>
0034	</RequestPayload>
0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
0038	<ResponseHeader>
0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="2"/>
0042	</ProtocolVersion>
0043	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
0055	# TIME 1
0056	<RequestMessage>
0057	<RequestHeader>
0058	<ProtocolVersion>
0059	<ProtocolVersionMajor type="Integer" value="1"/>
0060	<ProtocolVersionMinor type="Integer" value="2"/>
0061	</ProtocolVersion>
0062	<BatchCount type="Integer" value="1"/>
0063	</RequestHeader>
0064	<BatchItem>
0065	<Operation type="Enumeration" value="GetAttributes"/>
0066	<RequestPayload>
	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>

0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
0073	<ProtocolVersion>
0074	<ProtocolVersionMajor type="Integer" value="1"/>
0075	<ProtocolVersionMinor type="Integer" value="2"/>
0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>
0084	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
0092	# TIME 2
0093	<RequestMessage>
0094	<RequestHeader>
0095	<ProtocolVersion>
0096	<ProtocolVersionMajor type="Integer" value="1"/>
0097	<ProtocolVersionMinor type="Integer" value="2"/>
0098	</ProtocolVersion>
0099	<BatchCount type="Integer" value="1"/>
0100	</RequestHeader>
0101	<BatchItem>
0102	<Operation type="Enumeration" value="Activate"/>
0103	<RequestPayload>
0104	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0105	</RequestPayload>
0106	</BatchItem>
0107	</RequestMessage>
0108	<ResponseMessage>
0109	<ResponseHeader>
0110	<ProtocolVersion>
0111	<ProtocolVersionMajor type="Integer" value="1"/>
0112	<ProtocolVersionMinor type="Integer" value="2"/>
0113	</ProtocolVersion>
0114	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0115	<BatchCount type="Integer" value="1"/>
0116	</ResponseHeader>
0117	<BatchItem>
0118	<Operation type="Enumeration" value="Activate"/>
0119	<ResultStatus type="Enumeration" value="Success"/>
0120	<ResponsePayload>
0121	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
	</ResponsePayload>

0122	</BatchItem>
0123	</ResponseMessage>
# TIME 3	
0124	<RequestMessage>
0125	<RequestHeader>
0126	<ProtocolVersion>
0127	<ProtocolVersionMajor type="Integer" value="1"/>
0128	<ProtocolVersionMinor type="Integer" value="2"/>
0129	</ProtocolVersion>
0130	<BatchCount type="Integer" value="1"/>
0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
0142	<ProtocolVersion>
0143	<ProtocolVersionMajor type="Integer" value="1"/>
0144	<ProtocolVersionMinor type="Integer" value="2"/>
0145	</ProtocolVersion>
0146	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>
0153	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
# TIME 4	
0161	<RequestMessage>
0162	<RequestHeader>
0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="2"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>

0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-9-12"/>
0180	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
0183	</RequestPayload>
0184	</BatchItem>
0185	</RequestMessage>
0186	<ResponseMessage>
0187	<ResponseHeader>
0188	<ProtocolVersion>
0189	<ProtocolVersionMajor type="Integer" value="1"/>
0190	<ProtocolVersionMinor type="Integer" value="2"/>
0191	</ProtocolVersion>
0192	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>
0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
0201	</BatchItem>
0202	</ResponseMessage>
	# TIME 5
0203	<RequestMessage>
0204	<RequestHeader>
0205	<ProtocolVersion>
0206	<ProtocolVersionMajor type="Integer" value="1"/>
0207	<ProtocolVersionMinor type="Integer" value="2"/>
0208	</ProtocolVersion>
0209	<BatchCount type="Integer" value="1"/>
0210	</RequestHeader>
0211	<BatchItem>
0212	<Operation type="Enumeration" value="Get"/>
0213	<RequestPayload>
0214	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0215	</RequestPayload>
0216	</BatchItem>
0217	</RequestMessage>
0218	<ResponseMessage>
0219	<ResponseHeader>
0220	<ProtocolVersion>
0221	<ProtocolVersionMajor type="Integer" value="1"/>
0222	<ProtocolVersionMinor type="Integer" value="2"/>
0223	</ProtocolVersion>
0224	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>

0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString"
	value="9c7d7c4fd2076f1909a6ba4342cab1de"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0240	<CryptographicLength type="Integer" value="128"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>
	# TIME 6
0246	<RequestMessage>
0247	<RequestHeader>
0248	<ProtocolVersion>
0249	<ProtocolVersionMajor type="Integer" value="1"/>
0250	<ProtocolVersionMinor type="Integer" value="2"/>
0251	</ProtocolVersion>
0252	<BatchCount type="Integer" value="1"/>
0253	</RequestHeader>
0254	<BatchItem>
0255	<Operation type="Enumeration" value="Revoke"/>
0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration"
	value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-
	01T00:00:06+00:00"/>
0262	</RequestPayload>
0263	</BatchItem>
0264	</RequestMessage>
0265	<ResponseMessage>
0266	<ResponseHeader>
0267	<ProtocolVersion>
0268	<ProtocolVersionMajor type="Integer" value="1"/>
0269	<ProtocolVersionMinor type="Integer" value="2"/>
0270	</ProtocolVersion>
0271	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0272	<BatchCount type="Integer" value="1"/>
0273	</ResponseHeader>
0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
0278	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
0280	</BatchItem>

0281	</ResponseMessage>
0282	# TIME 7
0283	<RequestMessage>
0284	<RequestHeader>
0285	<ProtocolVersion>
0286	<ProtocolVersionMajor type="Integer" value="1"/>
0287	<ProtocolVersionMinor type="Integer" value="2"/>
0288	</ProtocolVersion>
0289	<BatchCount type="Integer" value="1"/>
0290	</RequestHeader>
0291	<BatchItem>
0292	<Operation type="Enumeration" value="GetAttributes"/>
0293	<RequestPayload>
0294	<UniqueIdentifier type="TextString"
0295	value="\$UNIQUE_IDENTIFIER_0"/>
0296	<AttributeName type="TextString" value="State"/>
0297	</RequestPayload>
0298	</BatchItem>
0299	</RequestMessage>
0300	<ResponseMessage>
0301	<ResponseHeader>
0302	<ProtocolVersion>
0303	<ProtocolVersionMajor type="Integer" value="1"/>
0304	<ProtocolVersionMinor type="Integer" value="2"/>
0305	</ProtocolVersion>
0306	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0307	<BatchCount type="Integer" value="1"/>
0308	</ResponseHeader>
0309	<BatchItem>
0310	<Operation type="Enumeration" value="GetAttributes"/>
0311	<ResultStatus type="Enumeration" value="Success"/>
0312	<ResponsePayload>
0313	<UniqueIdentifier type="TextString"
0314	value="\$UNIQUE_IDENTIFIER_0"/>
0315	<Attribute>
0316	<AttributeName type="TextString" value="State"/>
0317	<AttributeValue type="Enumeration" value="Compromised"/>
0318	</Attribute>
0319	</ResponsePayload>
0320	</BatchItem>
0321	</ResponseMessage>
0322	# TIME 8
0323	<RequestMessage>
0324	<RequestHeader>
0325	<ProtocolVersion>
0326	<ProtocolVersionMajor type="Integer" value="1"/>
0327	<ProtocolVersionMinor type="Integer" value="2"/>
0328	</ProtocolVersion>
0329	<BatchCount type="Integer" value="1"/>
0330	</RequestHeader>
0331	<BatchItem>
0332	<Operation type="Enumeration" value="GetAttributeList"/>
0333	<RequestPayload>
0334	<UniqueIdentifier type="TextString"
0335	value="\$UNIQUE_IDENTIFIER_0"/>
0336	</RequestPayload>
0337	</BatchItem>
0338	</RequestMessage>

0334	<ResponseMessage>
0335	<ResponseHeader>
0336	<ProtocolVersion>
0337	<ProtocolVersionMajor type="Integer" value="1"/>
0338	<ProtocolVersionMinor type="Integer" value="2"/>
0339	</ProtocolVersion>
0340	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0341	<BatchCount type="Integer" value="1"/>
0342	</ResponseHeader>
0343	<BatchItem>
0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
0346	<ResponsePayload>
0347	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Original Creation
	Date"/>
0363	<AttributeName type="TextString" value="Revocation Reason"/>
0364	<AttributeName type="TextString" value="State"/>
0365	</ResponsePayload>
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	# TIME 9
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	value="\$UNIQUE_IDENTIFIER_0"/>
0380	<AttributeName type="TextString" value="State"/>
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0383	</RequestMessage>

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	value="\$UNIQUE_IDENTIFIER_0"/>
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0400	<AttributeValue type="Enumeration" value="Compromised"/>
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# TIME 10	
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0413	<BatchItem>
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0415	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0418	<Attribute>
0419	<AttributeName type="TextString" value="x-attribute1"/>
0420	<AttributeValue type="TextString" value="Value1"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0448	<ResultStatus type="Enumeration" value="Success"/>
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0451	<Attribute>
0452	<AttributeName type="TextString" value="x-attribute1"/>
0453	<AttributeValue type="TextString" value="Value1"/>
0454	</Attribute>
0455	</ResponsePayload>
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0458	<Operation type="Enumeration" value="AddAttribute"/>
0459	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0460	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0464	<AttributeName type="TextString" value="x-attribute2"/>
0465	<AttributeValue type="TextString" value="Value2"/>
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0480	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0483	<Attribute>
0484	<AttributeName type="TextString" value="x-attribute1"/>
0485	<AttributeValue type="TextString" value="ModifiedValue1"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0496	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0501	<ResponseMessage>
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0512	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0513	<ResultStatus type="Enumeration" value="Success"/>
0514	<ResponsePayload>
0515	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0516	<Attribute>
0517	<AttributeName type="TextString" value="x-attribute1"/>
0518	<AttributeValue type="TextString" value="ModifiedValue1"/>
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0520	</ResponsePayload>
0521	</BatchItem>
0522	<BatchItem>
0523	<Operation type="Enumeration" value="ModifyAttribute"/>
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0525	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0528	<Attribute>
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0530	<AttributeValue type="TextString" value="ModifiedValue2"/>
0531	</Attribute>
0532	</ResponsePayload>
0533	</BatchItem>
0534	</ResponseMessage>
	# TIME 12
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0542	</RequestHeader>
0543	<BatchItem>
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0545	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>

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	value="\$UNIQUE_IDENTIFIER_0"/>
0548	<AttributeName type="TextString" value="x-attribute1"/>
0549	</RequestPayload>
0550	</BatchItem>
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0553	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0556	<AttributeName type="TextString" value="x-attribute2"/>
0557	</RequestPayload>
0558	</BatchItem>
0559	</RequestMessage>
0560	<ResponseMessage>
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0567	<BatchCount type="Integer" value="2"/>
0568	</ResponseHeader>
0569	<BatchItem>
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0572	<ResultStatus type="Enumeration" value="Success"/>
0573	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0575	<Attribute>
0576	<AttributeName type="TextString" value="x-attribute1"/>
0577	<AttributeValue type="TextString" value="ModifiedValue1"/>
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0579	</ResponsePayload>
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0582	<Operation type="Enumeration" value="DeleteAttribute"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0588	<AttributeName type="TextString" value="x-attribute2"/>
0589	<AttributeValue type="TextString" value="ModifiedValue2"/>
0590	</Attribute>
0591	</ResponsePayload>
0592	</BatchItem>
0593	</ResponseMessage>
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0601	</RequestHeader>
0602	<BatchItem>
0603	<Operation type="Enumeration" value="Get"/>
0604	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0606	</RequestPayload>
0607	</BatchItem>
0608	</RequestMessage>
0609	<ResponseMessage>
0610	<ResponseHeader>
0611	<ProtocolVersion>
0612	<ProtocolVersionMajor type="Integer" value="1"/>
0613	<ProtocolVersionMinor type="Integer" value="2"/>
0614	</ProtocolVersion>
0615	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0616	<BatchCount type="Integer" value="1"/>
0617	</ResponseHeader>
0618	<BatchItem>
0619	<Operation type="Enumeration" value="Get"/>
0620	<ResultStatus type="Enumeration" value="Success"/>
0621	<ResponsePayload>
0622	<ObjectType type="Enumeration" value="SymmetricKey"/>
0623	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0624	<SymmetricKey>
0625	<KeyBlock>
0626	<KeyFormatType type="Enumeration" value="Raw"/>
0627	<KeyValue>
0628	<KeyMaterial type="ByteString"
	value="9c7d7c4fd2076f1909a6ba4342cab1de"/>
0629	</KeyValue>
0630	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0631	<CryptographicLength type="Integer" value="128"/>
0632	</KeyBlock>
0633	</SymmetricKey>
0634	</ResponsePayload>
0635	</BatchItem>
0636	</ResponseMessage>
	# TIME 14
0637	<RequestMessage>
0638	<RequestHeader>
0639	<ProtocolVersion>
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0641	<ProtocolVersionMinor type="Integer" value="2"/>
0642	</ProtocolVersion>
0643	<BatchCount type="Integer" value="1"/>
0644	</RequestHeader>
0645	<BatchItem>
0646	<Operation type="Enumeration" value="Destroy"/>
0647	<RequestPayload>
0648	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0649	</RequestPayload>
0650	</BatchItem>
0651	</RequestMessage>

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0652 <ResponseMessage>
0653   <ResponseHeader>
0654     <ProtocolVersion>
0655       <ProtocolVersionMajor type="Integer" value="1"/>
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0657     </ProtocolVersion>
0658     <TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0659     <BatchCount type="Integer" value="1"/>
0660   </ResponseHeader>
0661   <BatchItem>
0662     <Operation type="Enumeration" value="Destroy"/>
0663     <ResultStatus type="Enumeration" value="Success"/>
0664     <ResponsePayload>
0665       <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0666     </ResponsePayload>
0667   </BatchItem>
0668 </ResponseMessage>

```

217

218 3.3.10 SKFF-M-10-12

219 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,
220 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy AES-128

```

# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="2"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0016           <AttributeValue type="Enumeration" value="AES"/>
0017         </Attribute>
0018         <Attribute>
0019           <AttributeName type="TextString" value="Cryptographic
Length"/>
0020           <AttributeValue type="Integer" value="192"/>
0021         </Attribute>
0022         <Attribute>
0023           <AttributeName type="TextString" value="Name"/>
0024           <AttributeValue>
0025             <NameValue type="TextString" value="SKFF-M-10-12"/>
0026             <NameType type="Enumeration"
value="UninterpretedTextString"/>
0027           </AttributeValue>
0028         </Attribute>
0029       </RequestPayload>

```

0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
0032	</Attribute>
0033	</TemplateAttribute>
0034	</RequestPayload>
0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
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0041	<ProtocolVersionMinor type="Integer" value="2"/>
0042	</ProtocolVersion>
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0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
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0056	<RequestMessage>
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0060	<ProtocolVersionMinor type="Integer" value="2"/>
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0062	<BatchCount type="Integer" value="1"/>
0063	</RequestHeader>
0064	<BatchItem>
0065	<Operation type="Enumeration" value="GetAttributes"/>
0066	<RequestPayload>
0067	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0068	<AttributeName type="TextString" value="State"/>
0069	</RequestPayload>
0070	</BatchItem>
0071	</RequestMessage>
0072	<ResponseMessage>
0073	<ResponseHeader>
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0075	<ProtocolVersionMajor type="Integer" value="1"/>
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0079	<BatchCount type="Integer" value="1"/>
0080	</ResponseHeader>
0081	<BatchItem>
0082	<Operation type="Enumeration" value="GetAttributes"/>
0083	<ResultStatus type="Enumeration" value="Success"/>
0084	<ResponsePayload>

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	value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
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0091	</ResponseMessage>
# TIME 2	
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0099	</RequestHeader>
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0103	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0104	</RequestPayload>
0105	</BatchItem>
0106	</RequestMessage>
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0114	<BatchCount type="Integer" value="1"/>
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0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
0119	<ResponsePayload>
0120	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0121	</ResponsePayload>
0122	</BatchItem>
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# TIME 3	
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0129	</ProtocolVersion>
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0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>

0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
0142	<ProtocolVersion>
0143	<ProtocolVersionMajor type="Integer" value="1"/>
0144	<ProtocolVersionMinor type="Integer" value="2"/>
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0146	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>
0153	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
# TIME 4	
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0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="2"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-10-12"/>
0180	<NameType type="Enumeration" value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
0183	</RequestPayload>
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0186	<ResponseMessage>
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0190	<ProtocolVersionMinor type="Integer" value="2"/>

0191	</ProtocolVersion>
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0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>
0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
0201	</BatchItem>
0202	</ResponseMessage>
# TIME 5	
0203	<RequestMessage>
0204	<RequestHeader>
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0207	<ProtocolVersionMinor type="Integer" value="2"/>
0208	</ProtocolVersion>
0209	<BatchCount type="Integer" value="1"/>
0210	</RequestHeader>
0211	<BatchItem>
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0213	<RequestPayload>
0214	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0215	</RequestPayload>
0216	</BatchItem>
0217	</RequestMessage>
0218	<ResponseMessage>
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0221	<ProtocolVersionMajor type="Integer" value="1"/>
0222	<ProtocolVersionMinor type="Integer" value="2"/>
0223	</ProtocolVersion>
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0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString"
	value="13e1e3d7b4e630dc4582869ce7e8d27e1c5f31fdec2abee1"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0240	<CryptographicLength type="Integer" value="192"/>
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0244	</BatchItem>
0245	</ResponseMessage>
0246	# TIME 6
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0259	value="\$UNIQUE_IDENTIFIER_0"/>
0260	<RevocationReason>
0261	<RevocationReasonCode type="Enumeration"
0262	value="KeyCompromise"/>
0263	</RevocationReason>
0264	<CompromiseOccurrenceDate type="DateTime" value="1970-01-01T00:00:06+00:00"/>
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0275	<BatchCount type="Integer" value="1"/>
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0279	<ResultStatus type="Enumeration" value="Success"/>
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0282	value="\$UNIQUE_IDENTIFIER_0"/>
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0286	# TIME 7
0287	<RequestMessage>
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0299	value="\$UNIQUE_IDENTIFIER_0"/>
0300	<AttributeName type="TextString" value="State"/>

0295	</RequestPayload>
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0312	<Attribute>
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0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
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0341	<BatchCount type="Integer" value="1"/>
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0344	<Operation type="Enumeration" value="GetAttributeList"/>
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0348	<AttributeName type="TextString" value="Unique Identifier"/>

0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
0351	Algorithm"/>
0352	<AttributeName type="TextString" value="Cryptographic
0353	Length"/>
0354	<AttributeName type="TextString" value="Activation Date"/>
0355	<AttributeName type="TextString" value="Compromise Date"/>
0356	<AttributeName type="TextString" value="Compromise Occurrence
0357	Date"/>
0358	<AttributeName type="TextString" value="Cryptographic Usage
0359	Mask"/>
0360	<AttributeName type="TextString" value="Digest"/>
0361	<AttributeName type="TextString" value="Fresh"/>
0362	<AttributeName type="TextString" value="Initial Date"/>
0363	<AttributeName type="TextString" value="Last Change Date"/>
0364	<AttributeName type="TextString" value="Lease Time"/>
0365	<AttributeName type="TextString" value="Name"/>
0366	<AttributeName type="TextString" value="Revocation Reason"/>
0367	<AttributeName type="TextString" value="State"/>
0368	<AttributeName type="TextString" value="Original Creation
0369	Date"/>
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0371	</BatchItem>
0372	</ResponseMessage>
0373	# TIME 9
0374	<RequestMessage>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0418	<Attribute>
0419	<AttributeName type="TextString" value="x-attribute1"/>
0420	<AttributeValue type="TextString" value="Value1"/>
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0427	<RequestPayload>
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0443	<BatchCount type="Integer" value="2"/>
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0453	<AttributeValue type="TextString" value="Value1"/>
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0465	<AttributeValue type="TextString" value="Value2"/>
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0485	<AttributeValue type="TextString" value="ModifiedValue1"/>
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0495	<AttributeName type="TextString" value="x-attribute2"/>
0496	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0501	<ResponseMessage>
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0518	<AttributeValue type="TextString" value="ModifiedValue1"/>
0519	</Attribute>
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0530	<AttributeValue type="TextString" value="ModifiedValue2"/>
0531	</Attribute>
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0534	</ResponseMessage>
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0549	</RequestPayload>
0550	</BatchItem>
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0579	</Attribute>
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0591	<AttributeValue type="TextString" value="ModifiedValue2"/>
0592	</Attribute>
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0614	</ProtocolVersion>
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0629	</KeyValue>
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0631	<CryptographicLength type="Integer" value="192"/>
0632	</KeyBlock>
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0659	<BatchCount type="Integer" value="1"/>
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0663	<ResultStatus type="Enumeration" value="Success"/>
0664	<ResponsePayload>
0665	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0666	</ResponsePayload>

0667	</BatchItem>
0668	</ResponseMessage>

221

222 3.3.11 SKFF-M-11-12

223 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,
224 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy AES-256

	# TIME 0
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0008	</RequestHeader>
0009	<BatchItem>
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0011	<RequestPayload>
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0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="AES"/>
0018	</Attribute>
0019	<Attribute>
0020	<AttributeName type="TextString" value="Cryptographic
0021	Length"/>
0022	<AttributeValue type="Integer" value="256"/>
0023	</Attribute>
0024	<Attribute>
0025	<AttributeName type="TextString" value="Name"/>
0026	<AttributeValue>
0027	<NameValue type="TextString" value="SKFF-M-11-12"/>
0028	<NameType type="Enumeration"
0029	value="UninterpretedTextString"/>
0030	</Attribute>
0031	</Attribute>
0032	<Attribute>
0033	<AttributeName type="TextString" value="Cryptographic
0034	Usage Mask"/>
0035	<AttributeValue type="Integer" value="Encrypt"/>
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	<ProtocolVersionMinor type="Integer" value="2"/>
	</ProtocolVersion>
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	<BatchCount type="Integer" value="1"/>

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0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
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0062	</RequestHeader>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
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0071	<ResponseMessage>
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0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
# TIME 2	
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0097	</ProtocolVersion>

0098	<BatchCount type="Integer" value="1"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0104	</RequestPayload>
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0106	</RequestMessage>
0107	<ResponseMessage>
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0114	<BatchCount type="Integer" value="1"/>
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0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0121	</ResponsePayload>
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0123	</ResponseMessage>
0124	# TIME 3
0125	<RequestMessage>
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0132	</RequestHeader>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
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0143	<ProtocolVersionMajor type="Integer" value="1"/>
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0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
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0158	</ResponsePayload>
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0160	</ResponseMessage>
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0166	</ProtocolVersion>
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0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
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0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-11-12"/>
0180	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
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0193	<BatchCount type="Integer" value="1"/>
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0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
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	value="1de10496b0ef4dfa22ed858439c6b57880da74ad7a9eb476bac300a12dd187a2"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="AES"/>
0240	<CryptographicLength type="Integer" value="256"/>
0241	</KeyBlock>
0242	</SymmetricKey>
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0256	<RequestPayload>
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0258	value="\$UNIQUE_IDENTIFIER_0"/>
0259	<RevocationReason>
	<RevocationReasonCode type="Enumeration"
0260	value="KeyCompromise"/>
0261	</RevocationReason>
	<CompromiseOccurrenceDate type="DateTime" value="1970-01-
0262	01T00:00:06+00:00"/>
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0279	</ResponsePayload>
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0293	<RequestPayload>
	<UniqueIdentifier type="TextString"
0294	value="\$UNIQUE_IDENTIFIER_0"/>
0295	<AttributeName type="TextString" value="State"/>
0296	</RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0313	<AttributeName type="TextString" value="State"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0345	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>

0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Revocation Reason"/>
0363	<AttributeName type="TextString" value="State"/>
0364	<AttributeName type="TextString" value="Original Creation
	Date"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0419	<AttributeName type="TextString" value="x-attribute1"/>
0420	<AttributeValue type="TextString" value="Value1"/>
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0448	<ResultStatus type="Enumeration" value="Success"/>
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0451	<Attribute>
0452	<AttributeName type="TextString" value="x-attribute1"/>
0453	<AttributeValue type="TextString" value="Value1"/>
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0455	</ResponsePayload>
0456	</BatchItem>
0457	<BatchItem>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0463	<Attribute>
0464	<AttributeName type="TextString" value="x-attribute2"/>
0465	<AttributeValue type="TextString" value="Value2"/>
0466	</Attribute>

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0496	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0517	<AttributeName type="TextString" value="x-attribute1"/>
0518	<AttributeValue type="TextString" value="ModifiedValue1"/>
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0520	</ResponsePayload>

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	value="\$UNIQUE_IDENTIFIER_0"/>
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0549	</RequestPayload>
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0575	value="\$UNIQUE_IDENTIFIER_0"/>
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0578	<AttributeValue type="TextString" value="ModifiedValue1"/>
0579	</Attribute>
0580	</ResponsePayload>
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0588	value="\$UNIQUE_IDENTIFIER_0"/>
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0591	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0595	</ResponseMessage>
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0607	<RequestPayload>
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0609	value="\$UNIQUE_IDENTIFIER_0"/>
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0627	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
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	<KeyBlock>
	<KeyFormatType type="Enumeration" value="Raw"/>
	<KeyValue>

0628	<code><KeyMaterial type="ByteString"</code>
	<code>value="1de10496b0ef4dfa22ed858439c6b57880da74ad7a9eb476bac300a12dd187a2"/></code>
0629	<code></KeyValue></code>
0630	<code><CryptographicAlgorithm type="Enumeration" value="AES"/></code>
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0632	<code></KeyBlock></code>
0633	<code></SymmetricKey></code>
0634	<code></ResponsePayload></code>
0635	<code></BatchItem></code>
0636	<code></ResponseMessage></code>
<i># TIME 14</i>	
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0638	<code><RequestHeader></code>
0639	<code><ProtocolVersion></code>
0640	<code><ProtocolVersionMajor type="Integer" value="1"/></code>
0641	<code><ProtocolVersionMinor type="Integer" value="2"/></code>
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0643	<code><BatchCount type="Integer" value="1"/></code>
0644	<code></RequestHeader></code>
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0647	<code><RequestPayload></code>
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0649	<code></RequestPayload></code>
0650	<code></BatchItem></code>
0651	<code></RequestMessage></code>
0652	<code><ResponseMessage></code>
0653	<code><ResponseHeader></code>
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0655	<code><ProtocolVersionMajor type="Integer" value="1"/></code>
0656	<code><ProtocolVersionMinor type="Integer" value="2"/></code>
0657	<code></ProtocolVersion></code>
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0659	<code><BatchCount type="Integer" value="1"/></code>
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0663	<code><ResultStatus type="Enumeration" value="Success"/></code>
0664	<code><ResponsePayload></code>
0665	<code><UniqueIdentifier type="TextString"</code>
	<code>value="\$UNIQUE_IDENTIFIER_0"/></code>
0666	<code></ResponsePayload></code>
0667	<code></BatchItem></code>
0668	<code></ResponseMessage></code>

225

226 3.3.12 SKFF-M-12-12

227 Create, GetAttributes, Activate, GetAttributes, Locate, Get, Revoke, GetAttributes, GetAttributeList,
228 GetAttributes, AddAttribute, AddAttribute, ModifyAttribute, DeleteAttribute, Get, Destroy 3DES-168

	<i># TIME 0</i>
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0002	<code><RequestHeader></code>
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0005	<ProtocolVersionMinor type="Integer" value="2"/>
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0007	<BatchCount type="Integer" value="1"/>
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0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
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0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="DES3"/>
0018	</Attribute>
0019	<Attribute>
0020	<AttributeName type="TextString" value="Cryptographic
0021	Length"/>
0022	<AttributeValue type="Integer" value="168"/>
0023	</Attribute>
0024	<Attribute>
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0026	<AttributeValue>
0027	<NameValue type="TextString" value="SKFF-M-12-12"/>
0028	<NameType type="Enumeration"
0029	value="UninterpretedTextString"/>
0030	</AttributeValue>
0031	</Attribute>
0032	<Attribute>
0033	<AttributeName type="TextString" value="Cryptographic
0034	Usage Mask"/>
0035	<AttributeValue type="Integer" value="Encrypt"/>
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0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
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0056	value="\$UNIQUE_IDENTIFIER_0"/>
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0062	<RequestHeader>

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	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
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0071	<ResponseMessage>
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0078	<BatchCount type="Integer" value="1"/>
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0082	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0087	<AttributeValue type="Enumeration" value="PreActive"/>
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0114	<BatchCount type="Integer" value="1"/>
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0134	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
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0140	<ResponseMessage>
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0151	<ResultStatus type="Enumeration" value="Success"/>
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0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
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0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-M-12-12"/>
0180	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
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0193	<BatchCount type="Integer" value="1"/>
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0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0232	<UniqueIdentifier type="TextString"
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0234	<KeyBlock>
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0236	<KeyValue>
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	value="ea9dc7c4e5d92a3b5bbf0b1c8c136e20eca137a88afb9745"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0240	<CryptographicLength type="Integer" value="168"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
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0245	</ResponseMessage>
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0256	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration"
	value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-
	01T00:00:00+00:00"/>
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0263	</BatchItem>
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0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
0278	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
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# TIME 7	
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0289	</RequestHeader>
0290	<BatchItem>
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0292	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>
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0298	<ResponseMessage>
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0305	<BatchCount type="Integer" value="1"/>
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0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
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0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
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0329	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
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0341	<BatchCount type="Integer" value="1"/>
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0345	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Revocation Reason"/>
0363	<AttributeName type="TextString" value="State"/>
0364	<AttributeName type="TextString" value="Original Creation
	Date"/>
0365	</ResponsePayload>
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0367	</ResponseMessage>
	# TIME 9
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0391	<BatchCount type="Integer" value="1"/>
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0394	<Operation type="Enumeration" value="GetAttributes"/>
0395	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0398	<Attribute>
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0400	<AttributeValue type="Enumeration" value="Compromised"/>
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0415	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0418	<Attribute>
0419	<AttributeName type="TextString" value="x-attribute1"/>
0420	<AttributeValue type="TextString" value="Value1"/>
0421	</Attribute>
0422	</RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0430	<AttributeName type="TextString" value="x-attribute2"/>
0431	<AttributeValue type="TextString" value="Value2"/>
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0443	<BatchCount type="Integer" value="2"/>
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0448	<ResultStatus type="Enumeration" value="Success"/>
0449	<ResponsePayload>
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0452	<AttributeName type="TextString" value="x-attribute1"/>
0453	<AttributeValue type="TextString" value="Value1"/>
0454	</Attribute>
0455	</ResponsePayload>
0456	</BatchItem>
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0460	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0464	<AttributeName type="TextString" value="x-attribute2"/>
0465	<AttributeValue type="TextString" value="Value2"/>
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0480	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>

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	value="\$UNIQUE_IDENTIFIER_0"/>
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0485	<AttributeValue type="TextString" value="ModifiedValue1"/>
0486	</Attribute>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0495	<AttributeName type="TextString" value="x-attribute2"/>
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0525	<ResultStatus type="Enumeration" value="Success"/>
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0529	<AttributeName type="TextString" value="x-attribute2"/>
0530	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0533	</BatchItem>
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0535	<RequestMessage>
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0545	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0548	<AttributeName type="TextString" value="x-attribute1"/>
0549	</RequestPayload>
0550	</BatchItem>
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0553	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
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0555	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0556	<AttributeName type="TextString" value="x-attribute2"/>
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0567	<BatchCount type="Integer" value="2"/>
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0573	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0576	<AttributeName type="TextString" value="x-attribute1"/>
0577	<AttributeValue type="TextString" value="ModifiedValue1"/>
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0583	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0584	<ResultStatus type="Enumeration" value="Success"/>
0585	<ResponsePayload>
0586	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0587	<Attribute>

0588	<AttributeName type="TextString" value="x-attribute2"/>
0589	<AttributeValue type="TextString" value="ModifiedValue2"/>
0590	</Attribute>
0591	</ResponsePayload>
0592	</BatchItem>
0593	</ResponseMessage>
# TIME 13	
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0601	</RequestHeader>
0602	<BatchItem>
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0604	<RequestPayload>
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0606	value="\$UNIQUE_IDENTIFIER_0"/>
0607	</RequestPayload>
0608	</BatchItem>
0609	</RequestMessage>
0610	<ResponseMessage>
0611	<ResponseHeader>
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0617	<BatchCount type="Integer" value="1"/>
0618	</ResponseHeader>
0619	<BatchItem>
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0621	<ResultStatus type="Enumeration" value="Success"/>
0622	<ResponsePayload>
0623	<ObjectType type="Enumeration" value="SymmetricKey"/>
0624	<UniqueIdentifier type="TextString"
0625	value="\$UNIQUE_IDENTIFIER_0"/>
0626	<SymmetricKey>
0627	<KeyBlock>
0628	<KeyFormatType type="Enumeration" value="Raw"/>
0629	<KeyMaterial type="ByteString"
0630	value="ea9dc7c4e5d92a3b5bbf0b1c8c136e20eca137a88afb9745"/>
0631	</KeyMaterial>
0632	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0633	<CryptographicLength type="Integer" value="168"/>
0634	</CryptographicLength>
0635	</KeyBlock>
0636	</SymmetricKey>
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0639	</ResponseMessage>
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0641	<ProtocolVersionMinor type="Integer" value="2"/>
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0644	</RequestHeader>
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0647	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0649	</RequestPayload>
0650	</BatchItem>
0651	</RequestMessage>
0652	<ResponseMessage>
0653	<ResponseHeader>
0654	<ProtocolVersion>
0655	<ProtocolVersionMajor type="Integer" value="1"/>
0656	<ProtocolVersionMinor type="Integer" value="2"/>
0657	</ProtocolVersion>
0658	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0659	<BatchCount type="Integer" value="1"/>
0660	</ResponseHeader>
0661	<BatchItem>
0662	<Operation type="Enumeration" value="Destroy"/>
0663	<ResultStatus type="Enumeration" value="Success"/>
0664	<ResponsePayload>
0665	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0666	</ResponsePayload>
0667	</BatchItem>
0668	</ResponseMessage>

229

230 3.4 Optional Test Cases KMIP 1.0

231 This section documents the test cases that a client or server conformant to the Symmetric Key Foundry
 232 (FIPS140) Profile MAY support under KMIP Specification 1.0.

233 3.4.1 SKFF-O-1-10

234 Create, Destroy SKIPJACK-80

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic"
	Algorithm"/>

0016	<AttributeValue type="Enumeration" value="SKIPJACK"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="80"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0024	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0025	</Attribute>
0026	</TemplateAttribute>
0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="0"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
0048	# TIME 1
0049	<RequestMessage>
0050	<RequestHeader>
0051	<ProtocolVersion>
0052	<ProtocolVersionMajor type="Integer" value="1"/>
0053	<ProtocolVersionMinor type="Integer" value="0"/>
0054	</ProtocolVersion>
0055	<BatchCount type="Integer" value="1"/>
0056	</RequestHeader>
0057	<BatchItem>
0058	<Operation type="Enumeration" value="Destroy"/>
0059	<RequestPayload>
0060	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0061	</RequestPayload>
0062	</BatchItem>
0063	</RequestMessage>
0064	<ResponseMessage>
0065	<ResponseHeader>
0066	<ProtocolVersion>
0067	<ProtocolVersionMajor type="Integer" value="1"/>
0068	<ProtocolVersionMinor type="Integer" value="0"/>
	</ProtocolVersion>

0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

235

236 3.4.2 SKFF-O-2-10

237 Create, Locate, Get, Destroy, Locate SKIPJACK-80

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-O-2-10"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="SKIPJACK"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0027	<AttributeValue type="Integer" value="80"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact
	Information"/>

0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="0"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
0056	value="\$UNIQUE_IDENTIFIER_0"/>
0057	</ResponsePayload>
0058	</BatchItem>
0059	</ResponseMessage>
0059	# TIME 1
0060	<RequestMessage>
0061	<RequestHeader>
0062	<ProtocolVersion>
0063	<ProtocolVersionMajor type="Integer" value="1"/>
0064	<ProtocolVersionMinor type="Integer" value="0"/>
0065	</ProtocolVersion>
0066	<BatchCount type="Integer" value="1"/>
0067	</RequestHeader>
0068	<BatchItem>
0069	<Operation type="Enumeration" value="Locate"/>
0070	<RequestPayload>
0071	<Attribute>
0072	<AttributeName type="TextString" value="Object Type"/>
0073	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0074	</Attribute>
0075	<Attribute>
0076	<AttributeName type="TextString" value="Name"/>
0077	<AttributeValue>
0078	<NameValue type="TextString" value="SKFF-O-2-10"/>
0079	<NameType type="Enumeration"
0080	value="UninterpretedTextString"/>
0081	</AttributeValue>
0082	</Attribute>
0083	</RequestPayload>
0084	</BatchItem>
0085	</RequestMessage>
0086	<ResponseMessage>
0087	<ResponseHeader>
0088	<ProtocolVersion>
0089	<ProtocolVersionMajor type="Integer" value="1"/>
	<ProtocolVersionMinor type="Integer" value="0"/>
	</ProtocolVersion>

0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
# TIME 2	
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="0"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="0"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="1778963e51b52027aaa0"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration"
	value="SKIPJACK"/>
0138	<CryptographicLength type="Integer" value="80"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>

0142	</BatchItem>
0143	</ResponseMessage>
0144	# TIME 3
0145	<RequestMessage>
0146	<RequestHeader>
0147	<ProtocolVersion>
0148	<ProtocolVersionMajor type="Integer" value="1"/>
0149	<ProtocolVersionMinor type="Integer" value="0"/>
0150	</ProtocolVersion>
0151	<BatchCount type="Integer" value="1"/>
0152	</RequestHeader>
0153	<BatchItem>
0154	<Operation type="Enumeration" value="Destroy"/>
0155	<RequestPayload>
0156	<UniqueIdentifier type="TextString"
0157	value="\$UNIQUE_IDENTIFIER_0"/>
0158	</RequestPayload>
0159	</BatchItem>
0160	</RequestMessage>
0161	<ResponseMessage>
0162	<ResponseHeader>
0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="0"/>
0166	</ProtocolVersion>
0167	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0168	<BatchCount type="Integer" value="1"/>
0169	</ResponseHeader>
0170	<BatchItem>
0171	<Operation type="Enumeration" value="Destroy"/>
0172	<ResultStatus type="Enumeration" value="Success"/>
0173	<ResponsePayload>
0174	<UniqueIdentifier type="TextString"
0175	value="\$UNIQUE_IDENTIFIER_0"/>
0176	</ResponsePayload>
0177	</BatchItem>
0178	</ResponseMessage>
0179	# TIME 4
0180	<RequestMessage>
0181	<RequestHeader>
0182	<ProtocolVersion>
0183	<ProtocolVersionMajor type="Integer" value="1"/>
0184	<ProtocolVersionMinor type="Integer" value="0"/>
0185	</ProtocolVersion>
0186	<BatchCount type="Integer" value="1"/>
0187	</RequestHeader>
0188	<BatchItem>
0189	<Operation type="Enumeration" value="Locate"/>
0190	<RequestPayload>
0191	<Attribute>
0192	<AttributeName type="TextString" value="Unique Identifier"/>
0193	<AttributeValue type="TextString"
0194	value="\$UNIQUE_IDENTIFIER_0"/>
0195	</Attribute>
0196	</RequestPayload>
0197	</BatchItem>
0198	</RequestMessage>
0199	<ResponseMessage>

```

0195 <ResponseHeader>
0196   <ProtocolVersion>
0197     <ProtocolVersionMajor type="Integer" value="1"/>
0198     <ProtocolVersionMinor type="Integer" value="0"/>
0199   </ProtocolVersion>
0200   <TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201   <BatchCount type="Integer" value="1"/>
0202 </ResponseHeader>
0203 <BatchItem>
0204   <Operation type="Enumeration" value="Locate"/>
0205   <ResultStatus type="Enumeration" value="Success"/>
0206   <ResponsePayload>
0207   </ResponsePayload>
0208 </BatchItem>
0209 </ResponseMessage>

```

238

239 3.4.3 SKFF-O-3-10

240 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy SKIPJACK-80

```

# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="0"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0016           <AttributeValue type="Enumeration" value="SKIPJACK"/>
0017         </Attribute>
0018         <Attribute>
0019           <AttributeName type="TextString" value="Cryptographic
Length"/>
0020           <AttributeValue type="Integer" value="80"/>
0021         </Attribute>
0022         <Attribute>
0023           <AttributeName type="TextString" value="Name"/>
0024           <AttributeValue>
0025             <NameValue type="TextString" value="SKFF-O-3-10"/>
0026             <NameType type="Enumeration"
value="UninterpretedTextString"/>
0027           </AttributeValue>
0028         </Attribute>
0029         <Attribute>
0030           <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0031           <AttributeValue type="Integer" value="Encrypt"/>
0032         </Attribute>

```

0033	</TemplateAttribute>
0034	</RequestPayload>
0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
0038	<ResponseHeader>
0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="0"/>
0042	</ProtocolVersion>
0043	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString"
0052	value="\$UNIQUE_IDENTIFIER_0"/>
0053	</ResponsePayload>
0054	</BatchItem>
0055	</ResponseMessage>
0056	# TIME 1
0057	<RequestMessage>
0058	<RequestHeader>
0059	<ProtocolVersion>
0060	<ProtocolVersionMajor type="Integer" value="1"/>
0061	<ProtocolVersionMinor type="Integer" value="0"/>
0062	</ProtocolVersion>
0063	<BatchCount type="Integer" value="1"/>
0064	</BatchItem>
0065	<Operation type="Enumeration" value="GetAttributes"/>
0066	<RequestPayload>
0067	<UniqueIdentifier type="TextString"
0068	value="\$UNIQUE_IDENTIFIER_0"/>
0069	<AttributeName type="TextString" value="State"/>
0070	</RequestPayload>
0071	</BatchItem>
0072	</RequestMessage>
0073	<ResponseMessage>
0074	<ResponseHeader>
0075	<ProtocolVersion>
0076	<ProtocolVersionMajor type="Integer" value="1"/>
0077	<ProtocolVersionMinor type="Integer" value="0"/>
0078	</ProtocolVersion>
0079	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0080	<BatchCount type="Integer" value="1"/>
0081	</ResponseHeader>
0082	<BatchItem>
0083	<Operation type="Enumeration" value="GetAttributes"/>
0084	<ResultStatus type="Enumeration" value="Success"/>
0085	<ResponsePayload>
0086	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
	<Attribute>
	<AttributeName type="TextString" value="State"/>

0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
0092	# TIME 2 <RequestMessage>
0093	<RequestHeader>
0094	<ProtocolVersion>
0095	<ProtocolVersionMajor type="Integer" value="1"/>
0096	<ProtocolVersionMinor type="Integer" value="0"/>
0097	</ProtocolVersion>
0098	<BatchCount type="Integer" value="1"/>
0099	</RequestHeader>
0100	<BatchItem>
0101	<Operation type="Enumeration" value="Activate"/>
0102	<RequestPayload>
0103	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0104	</RequestPayload>
0105	</BatchItem>
0106	</RequestMessage>
0107	<ResponseMessage>
0108	<ResponseHeader>
0109	<ProtocolVersion>
0110	<ProtocolVersionMajor type="Integer" value="1"/>
0111	<ProtocolVersionMinor type="Integer" value="0"/>
0112	</ProtocolVersion>
0113	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0114	<BatchCount type="Integer" value="1"/>
0115	</ResponseHeader>
0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
0119	<ResponsePayload>
0120	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0121	</ResponsePayload>
0122	</BatchItem>
0123	</ResponseMessage>
0124	# TIME 3 <RequestMessage>
0125	<RequestHeader>
0126	<ProtocolVersion>
0127	<ProtocolVersionMajor type="Integer" value="1"/>
0128	<ProtocolVersionMinor type="Integer" value="0"/>
0129	</ProtocolVersion>
0130	<BatchCount type="Integer" value="1"/>
0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>

0140	<ResponseMessage>
0141	<ResponseHeader>
0142	<ProtocolVersion>
0143	<ProtocolVersionMajor type="Integer" value="1"/>
0144	<ProtocolVersionMinor type="Integer" value="0"/>
0145	</ProtocolVersion>
0146	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>
0153	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
# TIME 4	
0161	<RequestMessage>
0162	<RequestHeader>
0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="0"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-O-3-10"/>
0180	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
0183	</RequestPayload>
0184	</BatchItem>
0185	</RequestMessage>
0186	<ResponseMessage>
0187	<ResponseHeader>
0188	<ProtocolVersion>
0189	<ProtocolVersionMajor type="Integer" value="1"/>
0190	<ProtocolVersionMinor type="Integer" value="0"/>
0191	</ProtocolVersion>
0192	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>

0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
0201	</BatchItem>
0202	</ResponseMessage>
# TIME 5	
0203	<RequestMessage>
0204	<RequestHeader>
0205	<ProtocolVersion>
0206	<ProtocolVersionMajor type="Integer" value="1"/>
0207	<ProtocolVersionMinor type="Integer" value="0"/>
0208	</ProtocolVersion>
0209	<BatchCount type="Integer" value="1"/>
0210	</RequestHeader>
0211	<BatchItem>
0212	<Operation type="Enumeration" value="Get"/>
0213	<RequestPayload>
0214	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0215	</RequestPayload>
0216	</BatchItem>
0217	</RequestMessage>
0218	<ResponseMessage>
0219	<ResponseHeader>
0220	<ProtocolVersion>
0221	<ProtocolVersionMajor type="Integer" value="1"/>
0222	<ProtocolVersionMinor type="Integer" value="0"/>
0223	</ProtocolVersion>
0224	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString"
	value="1778963e51b52027aaa0"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration"
	value="SKIPJACK"/>
0240	<CryptographicLength type="Integer" value="80"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>
# TIME 6	

0246	<RequestMessage>
0247	<RequestHeader>
0248	<ProtocolVersion>
0249	<ProtocolVersionMajor type="Integer" value="1"/>
0250	<ProtocolVersionMinor type="Integer" value="0"/>
0251	</ProtocolVersion>
0252	<BatchCount type="Integer" value="1"/>
0253	</RequestHeader>
0254	<BatchItem>
0255	<Operation type="Enumeration" value="Revoke"/>
0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration"
	value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-
	01T00:00:06+00:00"/>
0262	</RequestPayload>
0263	</BatchItem>
0264	</RequestMessage>
0265	<ResponseMessage>
0266	<ResponseHeader>
0267	<ProtocolVersion>
0268	<ProtocolVersionMajor type="Integer" value="1"/>
0269	<ProtocolVersionMinor type="Integer" value="0"/>
0270	</ProtocolVersion>
0271	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0272	<BatchCount type="Integer" value="1"/>
0273	</ResponseHeader>
0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
0278	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
0280	</BatchItem>
0281	</ResponseMessage>
	# TIME 7
0282	<RequestMessage>
0283	<RequestHeader>
0284	<ProtocolVersion>
0285	<ProtocolVersionMajor type="Integer" value="1"/>
0286	<ProtocolVersionMinor type="Integer" value="0"/>
0287	</ProtocolVersion>
0288	<BatchCount type="Integer" value="1"/>
0289	</RequestHeader>
0290	<BatchItem>
0291	<Operation type="Enumeration" value="GetAttributes"/>
0292	<RequestPayload>
0293	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>
0297	</RequestMessage>

0298	<ResponseMessage>
0299	<ResponseHeader>
0300	<ProtocolVersion>
0301	<ProtocolVersionMajor type="Integer" value="1"/>
0302	<ProtocolVersionMinor type="Integer" value="0"/>
0303	</ProtocolVersion>
0304	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0305	<BatchCount type="Integer" value="1"/>
0306	</ResponseHeader>
0307	<BatchItem>
0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
0310	<ResponsePayload>
0311	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
0317	</BatchItem>
0318	</ResponseMessage>
# TIME 8	
0319	<RequestMessage>
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0325	<BatchCount type="Integer" value="1"/>
0326	</RequestHeader>
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0328	<Operation type="Enumeration" value="GetAttributeList"/>
0329	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
0332	</BatchItem>
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0334	<ResponseMessage>
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0341	<BatchCount type="Integer" value="1"/>
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0343	<BatchItem>
0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
0346	<ResponsePayload>
0347	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>

0351	<AttributeName type="TextString" value="Cryptographic Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Initial Date"/>
0358	<AttributeName type="TextString" value="Last Change Date"/>
0359	<AttributeName type="TextString" value="Lease Time"/>
0360	<AttributeName type="TextString" value="Name"/>
0361	<AttributeName type="TextString" value="Revocation Reason"/>
0362	<AttributeName type="TextString" value="State"/>
0363	</ResponsePayload>
0364	</BatchItem>
0365	</ResponseMessage>
# TIME 9	
0366	<RequestMessage>
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0368	<ProtocolVersion>
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0373	</RequestHeader>
0374	<BatchItem>
0375	<Operation type="Enumeration" value="GetAttributes"/>
0376	<RequestPayload>
0377	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0378	<AttributeName type="TextString" value="State"/>
0379	</RequestPayload>
0380	</BatchItem>
0381	</RequestMessage>
0382	<ResponseMessage>
0383	<ResponseHeader>
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0385	<ProtocolVersionMajor type="Integer" value="1"/>
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0389	<BatchCount type="Integer" value="1"/>
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0391	<BatchItem>
0392	<Operation type="Enumeration" value="GetAttributes"/>
0393	<ResultStatus type="Enumeration" value="Success"/>
0394	<ResponsePayload>
0395	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0396	<Attribute>
0397	<AttributeName type="TextString" value="State"/>
0398	<AttributeValue type="Enumeration" value="Compromised"/>
0399	</Attribute>
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0401	</BatchItem>
0402	</ResponseMessage>

	# TIME 10
0403	<RequestMessage>
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0411	<BatchItem>
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0413	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0414	<RequestPayload>
0415	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0416	<Attribute>
0417	<AttributeName type="TextString" value="x-attribute1"/>
0418	<AttributeValue type="TextString" value="Value1"/>
0419	</Attribute>
0420	</RequestPayload>
0421	</BatchItem>
0422	<BatchItem>
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0424	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0425	<RequestPayload>
0426	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0427	<Attribute>
0428	<AttributeName type="TextString" value="x-attribute2"/>
0429	<AttributeValue type="TextString" value="Value2"/>
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0431	</RequestPayload>
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0434	<ResponseMessage>
0435	<ResponseHeader>
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0437	<ProtocolVersionMajor type="Integer" value="1"/>
0438	<ProtocolVersionMinor type="Integer" value="0"/>
0439	</ProtocolVersion>
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0441	<BatchCount type="Integer" value="2"/>
0442	</ResponseHeader>
0443	<BatchItem>
0444	<Operation type="Enumeration" value="AddAttribute"/>
0445	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0446	<ResultStatus type="Enumeration" value="Success"/>
0447	<ResponsePayload>
0448	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0449	<Attribute>
0450	<AttributeName type="TextString" value="x-attribute1"/>
0451	<AttributeValue type="TextString" value="Value1"/>
0452	</Attribute>
0453	</ResponsePayload>
0454	</BatchItem>
0455	<BatchItem>
0456	<Operation type="Enumeration" value="AddAttribute"/>

0457	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0458	<ResultStatus type="Enumeration" value="Success"/>
0459	<ResponsePayload>
0460	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0461	<Attribute>
0462	<AttributeName type="TextString" value="x-attribute2"/>
0463	<AttributeValue type="TextString" value="Value2"/>
0464	</Attribute>
0465	</ResponsePayload>
0466	</BatchItem>
0467	</ResponseMessage>
	# TIME 11
0468	<RequestMessage>
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0473	</ProtocolVersion>
0474	<BatchCount type="Integer" value="2"/>
0475	</RequestHeader>
0476	<BatchItem>
0477	<Operation type="Enumeration" value="ModifyAttribute"/>
0478	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0479	<RequestPayload>
0480	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0481	<Attribute>
0482	<AttributeName type="TextString" value="x-attribute1"/>
0483	<AttributeValue type="TextString" value="ModifiedValue1"/>
0484	</Attribute>
0485	</RequestPayload>
0486	</BatchItem>
0487	<BatchItem>
0488	<Operation type="Enumeration" value="ModifyAttribute"/>
0489	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0490	<RequestPayload>
0491	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0492	<Attribute>
0493	<AttributeName type="TextString" value="x-attribute2"/>
0494	<AttributeValue type="TextString" value="ModifiedValue2"/>
0495	</Attribute>
0496	</RequestPayload>
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0498	</RequestMessage>
0499	<ResponseMessage>
0500	<ResponseHeader>
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0503	<ProtocolVersionMinor type="Integer" value="0"/>
0504	</ProtocolVersion>
0505	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0506	<BatchCount type="Integer" value="2"/>
0507	</ResponseHeader>
0508	<BatchItem>
0509	<Operation type="Enumeration" value="ModifyAttribute"/>
0510	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>

0511	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0514	<Attribute>
0515	<AttributeName type="TextString" value="x-attribute1"/>
0516	<AttributeValue type="TextString" value="ModifiedValue1"/>
0517	</Attribute>
0518	</ResponsePayload>
0519	</BatchItem>
0520	<BatchItem>
0521	<Operation type="Enumeration" value="ModifyAttribute"/>
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0523	<ResultStatus type="Enumeration" value="Success"/>
0524	<ResponsePayload>
0525	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0526	<Attribute>
0527	<AttributeName type="TextString" value="x-attribute2"/>
0528	<AttributeValue type="TextString" value="ModifiedValue2"/>
0529	</Attribute>
0530	</ResponsePayload>
0531	</BatchItem>
0532	</ResponseMessage>
	# TIME 12
0533	<RequestMessage>
0534	<RequestHeader>
0535	<ProtocolVersion>
0536	<ProtocolVersionMajor type="Integer" value="1"/>
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0538	</ProtocolVersion>
0539	<BatchCount type="Integer" value="2"/>
0540	</RequestHeader>
0541	<BatchItem>
0542	<Operation type="Enumeration" value="DeleteAttribute"/>
0543	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0544	<RequestPayload>
0545	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0546	<AttributeName type="TextString" value="x-attribute1"/>
0547	</RequestPayload>
0548	</BatchItem>
0549	<BatchItem>
0550	<Operation type="Enumeration" value="DeleteAttribute"/>
0551	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0552	<RequestPayload>
0553	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0554	<AttributeName type="TextString" value="x-attribute2"/>
0555	</RequestPayload>
0556	</BatchItem>
0557	</RequestMessage>
0558	<ResponseMessage>
0559	<ResponseHeader>
0560	<ProtocolVersion>
0561	<ProtocolVersionMajor type="Integer" value="1"/>
0562	<ProtocolVersionMinor type="Integer" value="0"/>
0563	</ProtocolVersion>

0564	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0565	<BatchCount type="Integer" value="2"/>
0566	</ResponseHeader>
0567	<BatchItem>
0568	<Operation type="Enumeration" value="DeleteAttribute"/>
0569	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0570	<ResultStatus type="Enumeration" value="Success"/>
0571	<ResponsePayload>
0572	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0573	<Attribute>
0574	<AttributeName type="TextString" value="x-attribute1"/>
0575	<AttributeValue type="TextString" value="ModifiedValue1"/>
0576	</Attribute>
0577	</ResponsePayload>
0578	</BatchItem>
0579	<BatchItem>
0580	<Operation type="Enumeration" value="DeleteAttribute"/>
0581	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0582	<ResultStatus type="Enumeration" value="Success"/>
0583	<ResponsePayload>
0584	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0585	<Attribute>
0586	<AttributeName type="TextString" value="x-attribute2"/>
0587	<AttributeValue type="TextString" value="ModifiedValue2"/>
0588	</Attribute>
0589	</ResponsePayload>
0590	</BatchItem>
0591	</ResponseMessage>
# TIME 13	
0592	<RequestMessage>
0593	<RequestHeader>
0594	<ProtocolVersion>
0595	<ProtocolVersionMajor type="Integer" value="1"/>
0596	<ProtocolVersionMinor type="Integer" value="0"/>
0597	</ProtocolVersion>
0598	<BatchCount type="Integer" value="1"/>
0599	</RequestHeader>
0600	<BatchItem>
0601	<Operation type="Enumeration" value="Get"/>
0602	<RequestPayload>
0603	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0604	</RequestPayload>
0605	</BatchItem>
0606	</RequestMessage>
0607	<ResponseMessage>
0608	<ResponseHeader>
0609	<ProtocolVersion>
0610	<ProtocolVersionMajor type="Integer" value="1"/>
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0612	</ProtocolVersion>
0613	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0614	<BatchCount type="Integer" value="1"/>
0615	</ResponseHeader>
0616	<BatchItem>
0617	<Operation type="Enumeration" value="Get"/>

0618	<ResultStatus type="Enumeration" value="Success"/>
0619	<ResponsePayload>
0620	<ObjectType type="Enumeration" value="SymmetricKey"/>
0621	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0622	<SymmetricKey>
0623	<KeyBlock>
0624	<KeyFormatType type="Enumeration" value="Raw"/>
0625	<KeyValue>
0626	<KeyMaterial type="ByteString"
	value="1778963e51b52027aaa0"/>
0627	</KeyValue>
0628	<CryptographicAlgorithm type="Enumeration"
	value="SKIPJACK"/>
0629	<CryptographicLength type="Integer" value="80"/>
0630	</KeyBlock>
0631	</SymmetricKey>
0632	</ResponsePayload>
0633	</BatchItem>
0634	</ResponseMessage>
	# TIME 14
0635	<RequestMessage>
0636	<RequestHeader>
0637	<ProtocolVersion>
0638	<ProtocolVersionMajor type="Integer" value="1"/>
0639	<ProtocolVersionMinor type="Integer" value="0"/>
0640	</ProtocolVersion>
0641	<BatchCount type="Integer" value="1"/>
0642	</RequestHeader>
0643	<BatchItem>
0644	<Operation type="Enumeration" value="Destroy"/>
0645	<RequestPayload>
0646	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0647	</RequestPayload>
0648	</BatchItem>
0649	</RequestMessage>
0650	<ResponseMessage>
0651	<ResponseHeader>
0652	<ProtocolVersion>
0653	<ProtocolVersionMajor type="Integer" value="1"/>
0654	<ProtocolVersionMinor type="Integer" value="0"/>
0655	</ProtocolVersion>
0656	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0657	<BatchCount type="Integer" value="1"/>
0658	</ResponseHeader>
0659	<BatchItem>
0660	<Operation type="Enumeration" value="Destroy"/>
0661	<ResultStatus type="Enumeration" value="Success"/>
0662	<ResponsePayload>
0663	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0664	</ResponsePayload>
0665	</BatchItem>
0666	</ResponseMessage>

242 **3.4.4 SKFF-O-4-10**
243 Create, Destroy DES3-112

0001	# TIME 0
0002	<RequestMessage>
0003	<RequestHeader>
0004	<ProtocolVersion>
0005	<ProtocolVersionMajor type="Integer" value="1"/>
0006	<ProtocolVersionMinor type="Integer" value="0"/>
0007	</ProtocolVersion>
0008	<BatchCount type="Integer" value="1"/>
0009	</RequestHeader>
0010	<BatchItem>
0011	<Operation type="Enumeration" value="Create"/>
0012	<RequestPayload>
0013	<ObjectType type="Enumeration" value="SymmetricKey"/>
0014	<TemplateAttribute>
0015	<Attribute>
0016	<AttributeName type="TextString" value="Cryptographic
0017	Algorithm"/>
0018	<AttributeValue type="Enumeration" value="DES3"/>
0019	</Attribute>
0020	<Attribute>
0021	<AttributeName type="TextString" value="Cryptographic
0022	Length"/>
0023	<AttributeValue type="Integer" value="112"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
0027	Usage Mask"/>
0028	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0029	</Attribute>
0030	</TemplateAttribute>
0031	</RequestPayload>
0032	</BatchItem>
0033	</RequestMessage>
0034	<ResponseMessage>
0035	<ResponseHeader>
0036	<ProtocolVersion>
0037	<ProtocolVersionMajor type="Integer" value="1"/>
0038	<ProtocolVersionMinor type="Integer" value="0"/>
0039	</ProtocolVersion>
0040	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0041	<BatchCount type="Integer" value="1"/>
0042	</ResponseHeader>
0043	<BatchItem>
0044	<Operation type="Enumeration" value="Create"/>
0045	<ResultStatus type="Enumeration" value="Success"/>
0046	<ResponsePayload>
0047	<ObjectType type="Enumeration" value="SymmetricKey"/>
0048	<UniqueIdentifier type="TextString"
0049	value="\$UNIQUE_IDENTIFIER_0"/>
0050	</ResponsePayload>
0051	</BatchItem>
0052	</ResponseMessage>
0053	# TIME 1
0054	<RequestMessage>
0055	<RequestHeader>

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0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="0"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="0"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

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245 3.4.5 SKFF-O-5-10

246 Create, Locate, Get, Destroy, Locate DES3-112

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="0"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-O-5-10"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>

0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic Algorithm"/>
0023	<AttributeValue type="Enumeration" value="DES3"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic Length"/>
0027	<AttributeValue type="Integer" value="112"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="0"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
0059	# TIME 1 <RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="0"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>

0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-O-5-10"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="0"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
	# TIME 2
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="0"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="0"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>

0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="370edc5897b0e957686ebad5c140a40e"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0138	<CryptographicLength type="Integer" value="112"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="0"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
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0205	<ResultStatus type="Enumeration" value="Success"/>
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0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

247

248 3.4.6 SKFF-O-6-10

249 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy DES3-112

	# TIME 0
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0011	<RequestPayload>
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0013	<TemplateAttribute>
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0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="DES3"/>

0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic Length"/>
0020	<AttributeValue type="Integer" value="112"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-O-6-10"/>
0026	<NameType type="Enumeration" value="UninterpretedTextString"/>
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0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
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0137	value="\$UNIQUE_IDENTIFIER_0"/>
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0181	</BatchItem>
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0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString"
	value="100129b96802a2152aa8d9fb54ec1f83"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0240	<CryptographicLength type="Integer" value="112"/>
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0259	<RevocationReasonCode type="Enumeration"
	value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-
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0314	value="\$UNIQUE_IDENTIFIER_0"/>
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0317	<AttributeValue type="Enumeration" value="Compromised"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Initial Date"/>
0358	<AttributeName type="TextString" value="Last Change Date"/>
0359	<AttributeName type="TextString" value="Lease Time"/>
0360	<AttributeName type="TextString" value="Name"/>
0361	<AttributeName type="TextString" value="Revocation Reason"/>
0362	<AttributeName type="TextString" value="State"/>
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0398	<AttributeValue type="Enumeration" value="Compromised"/>
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0463	<AttributeValue type="TextString" value="Value2"/>
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0468	<RequestMessage>
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0528	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0532	</ResponseMessage>
	# TIME 12
0533	<RequestMessage>
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0535	<ProtocolVersion>
0536	<ProtocolVersionMajor type="Integer" value="1"/>
0537	<ProtocolVersionMinor type="Integer" value="0"/>
0538	</ProtocolVersion>
0539	<BatchCount type="Integer" value="2"/>
0540	</RequestHeader>
0541	<BatchItem>
0542	<Operation type="Enumeration" value="DeleteAttribute"/>
0543	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0544	<RequestPayload>
0545	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0546	<AttributeName type="TextString" value="x-attribute1"/>

0547	</RequestPayload>
0548	</BatchItem>
0549	<BatchItem>
0550	<Operation type="Enumeration" value="DeleteAttribute"/>
0551	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0552	<RequestPayload>
0553	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0554	<AttributeName type="TextString" value="x-attribute2"/>
0555	</RequestPayload>
0556	</BatchItem>
0557	</RequestMessage>
0558	<ResponseMessage>
0559	<ResponseHeader>
0560	<ProtocolVersion>
0561	<ProtocolVersionMajor type="Integer" value="1"/>
0562	<ProtocolVersionMinor type="Integer" value="0"/>
0563	</ProtocolVersion>
0564	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0565	<BatchCount type="Integer" value="2"/>
0566	</ResponseHeader>
0567	<BatchItem>
0568	<Operation type="Enumeration" value="DeleteAttribute"/>
0569	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0570	<ResultStatus type="Enumeration" value="Success"/>
0571	<ResponsePayload>
0572	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0573	<Attribute>
0574	<AttributeName type="TextString" value="x-attribute1"/>
0575	<AttributeValue type="TextString" value="ModifiedValue1"/>
0576	</Attribute>
0577	</ResponsePayload>
0578	</BatchItem>
0579	<BatchItem>
0580	<Operation type="Enumeration" value="DeleteAttribute"/>
0581	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0582	<ResultStatus type="Enumeration" value="Success"/>
0583	<ResponsePayload>
0584	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0585	<Attribute>
0586	<AttributeName type="TextString" value="x-attribute2"/>
0587	<AttributeValue type="TextString" value="ModifiedValue2"/>
0588	</Attribute>
0589	</ResponsePayload>
0590	</BatchItem>
0591	</ResponseMessage>
	# TIME 13
0592	<RequestMessage>
0593	<RequestHeader>
0594	<ProtocolVersion>
0595	<ProtocolVersionMajor type="Integer" value="1"/>
0596	<ProtocolVersionMinor type="Integer" value="0"/>
0597	</ProtocolVersion>
0598	<BatchCount type="Integer" value="1"/>
0599	</RequestHeader>
0600	<BatchItem>

0601	<Operation type="Enumeration" value="Get"/>
0602	<RequestPayload>
0603	<UniqueIdentifier type="TextString"
0604	value="\$UNIQUE_IDENTIFIER_0"/>
0605	</RequestPayload>
0606	</BatchItem>
0607	</RequestMessage>
0607	<ResponseMessage>
0608	<ResponseHeader>
0609	<ProtocolVersion>
0610	<ProtocolVersionMajor type="Integer" value="1"/>
0611	<ProtocolVersionMinor type="Integer" value="0"/>
0612	</ProtocolVersion>
0613	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0614	<BatchCount type="Integer" value="1"/>
0615	</ResponseHeader>
0616	<BatchItem>
0617	<Operation type="Enumeration" value="Get"/>
0618	<ResultStatus type="Enumeration" value="Success"/>
0619	<ResponsePayload>
0620	<ObjectType type="Enumeration" value="SymmetricKey"/>
0621	<UniqueIdentifier type="TextString"
0622	value="\$UNIQUE_IDENTIFIER_0"/>
0623	<SymmetricKey>
0624	<KeyBlock>
0625	<KeyFormatType type="Enumeration" value="Raw"/>
0626	<KeyValue>
0627	<KeyMaterial type="ByteString"
0628	value="100129b96802a2152aa8d9fb54ec1f83"/>
0629	</KeyValue>
0630	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0631	<CryptographicLength type="Integer" value="112"/>
0632	</KeyBlock>
0633	</SymmetricKey>
0634	</ResponsePayload>
0635	</BatchItem>
0636	</ResponseMessage>
0635	# TIME 14
0635	<RequestMessage>
0636	<RequestHeader>
0637	<ProtocolVersion>
0638	<ProtocolVersionMajor type="Integer" value="1"/>
0639	<ProtocolVersionMinor type="Integer" value="0"/>
0640	</ProtocolVersion>
0641	<BatchCount type="Integer" value="1"/>
0642	</RequestHeader>
0643	<BatchItem>
0644	<Operation type="Enumeration" value="Destroy"/>
0645	<RequestPayload>
0646	<UniqueIdentifier type="TextString"
0647	value="\$UNIQUE_IDENTIFIER_0"/>
0648	</RequestPayload>
0649	</BatchItem>
0650	</RequestMessage>
0650	<ResponseMessage>
0651	<ResponseHeader>
0652	<ProtocolVersion>
0653	<ProtocolVersionMajor type="Integer" value="1"/>

```

0654     <ProtocolVersionMinor type="Integer" value="0"/>
0655     </ProtocolVersion>
0656     <TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0657     <BatchCount type="Integer" value="1"/>
0658     </ResponseHeader>
0659     <BatchItem>
0660         <Operation type="Enumeration" value="Destroy"/>
0661         <ResultStatus type="Enumeration" value="Success"/>
0662         <ResponsePayload>
0663             <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0664         </ResponsePayload>
0665     </BatchItem>
0666 </ResponseMessage>

```

250
251
252

253 3.5 Optional Test Cases KMIP 1.1

254 This section documents the test cases that a client or server conformant to the Symmetric Key Foundry
255 (FIPS140) Profile SHALL support under KMIP Specification 1.1.

256 3.5.1 SKFF-O-1-11

257 Create, Destroy SKIPJACK-80

```

0001 # TIME 0
0002 <RequestMessage>
0003     <RequestHeader>
0004         <ProtocolVersion>
0005             <ProtocolVersionMajor type="Integer" value="1"/>
0006             <ProtocolVersionMinor type="Integer" value="1"/>
0007         </ProtocolVersion>
0008         <BatchCount type="Integer" value="1"/>
0009     </RequestHeader>
0010     <BatchItem>
0011         <Operation type="Enumeration" value="Create"/>
0012         <RequestPayload>
0013             <ObjectType type="Enumeration" value="SymmetricKey"/>
0014             <TemplateAttribute>
0015                 <Attribute>
0016                     <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0017                     <AttributeValue type="Enumeration" value="SKIPJACK"/>
0018                 </Attribute>
0019                 <Attribute>
0020                     <AttributeName type="TextString" value="Cryptographic
Length"/>
0021                     <AttributeValue type="Integer" value="80"/>
0022                 </Attribute>
0023                 <Attribute>
0024                     <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0025                     <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0026                 </Attribute>

```

0027	</RequestPayload>
0028	</BatchItem>
0029	</RequestMessage>
0030	<ResponseMessage>
0031	<ResponseHeader>
0032	<ProtocolVersion>
0033	<ProtocolVersionMajor type="Integer" value="1"/>
0034	<ProtocolVersionMinor type="Integer" value="1"/>
0035	</ProtocolVersion>
0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
	# TIME 1
0048	<RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="1"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="1"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

259 **3.5.2 SKFF-O-2-11**

260 Create, Locate, Get, Destroy, Locate SKIPJACK-80

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-O-2-11"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="SKIPJACK"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0027	<AttributeValue type="Integer" value="80"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact
	Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="1"/>
0046	</ProtocolVersion>

0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
# TIME 1	
0059	<RequestMessage>
0060	<RequestHeader>
0061	<ProtocolVersion>
0062	<ProtocolVersionMajor type="Integer" value="1"/>
0063	<ProtocolVersionMinor type="Integer" value="1"/>
0064	</ProtocolVersion>
0065	<BatchCount type="Integer" value="1"/>
0066	</RequestHeader>
0067	<BatchItem>
0068	<Operation type="Enumeration" value="Locate"/>
0069	<RequestPayload>
0070	<Attribute>
0071	<AttributeName type="TextString" value="Object Type"/>
0072	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0073	</Attribute>
0074	<Attribute>
0075	<AttributeName type="TextString" value="Name"/>
0076	<AttributeValue>
0077	<NameValue type="TextString" value="SKFF-O-2-11"/>
0078	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0079	</AttributeValue>
0080	</Attribute>
0081	</RequestPayload>
0082	</BatchItem>
0083	</RequestMessage>
0084	<ResponseMessage>
0085	<ResponseHeader>
0086	<ProtocolVersion>
0087	<ProtocolVersionMajor type="Integer" value="1"/>
0088	<ProtocolVersionMinor type="Integer" value="1"/>
0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>

0101	# TIME 2
0102	<RequestMessage>
0103	<RequestHeader>
0104	<ProtocolVersion>
0105	<ProtocolVersionMajor type="Integer" value="1"/>
0106	<ProtocolVersionMinor type="Integer" value="1"/>
0107	</ProtocolVersion>
0108	<BatchCount type="Integer" value="1"/>
0109	</RequestHeader>
0110	<BatchItem>
0111	<Operation type="Enumeration" value="Get"/>
0112	<RequestPayload>
0113	<UniqueIdentifier type="TextString"
0114	value="\$UNIQUE_IDENTIFIER_0"/>
0115	</RequestPayload>
0116	</BatchItem>
0117	</RequestMessage>
0118	<ResponseMessage>
0119	<ResponseHeader>
0120	<ProtocolVersion>
0121	<ProtocolVersionMajor type="Integer" value="1"/>
0122	<ProtocolVersionMinor type="Integer" value="1"/>
0123	</ProtocolVersion>
0124	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0125	<BatchCount type="Integer" value="1"/>
0126	</ResponseHeader>
0127	<BatchItem>
0128	<Operation type="Enumeration" value="Get"/>
0129	<ResultStatus type="Enumeration" value="Success"/>
0130	<ResponsePayload>
0131	<ObjectType type="Enumeration" value="SymmetricKey"/>
0132	<UniqueIdentifier type="TextString"
0133	value="\$UNIQUE_IDENTIFIER_0"/>
0134	<SymmetricKey>
0135	<KeyBlock>
0136	<KeyFormatType type="Enumeration" value="Raw"/>
0137	<KeyValue>
0138	<KeyMaterial type="ByteString"
0139	value="1778963e51b52027aaa0"/>
0140	</KeyValue>
0141	<CryptographicAlgorithm type="Enumeration"
0142	value="SKIPJACK"/>
0143	<CryptographicLength type="Integer" value="80"/>
0144	</KeyBlock>
0145	</SymmetricKey>
0146	</ResponsePayload>
0147	</BatchItem>
0148	</ResponseMessage>
0149	# TIME 3
0150	<RequestMessage>
0151	<RequestHeader>
0152	<ProtocolVersion>
0153	<ProtocolVersionMajor type="Integer" value="1"/>
0154	<ProtocolVersionMinor type="Integer" value="1"/>
0155	</ProtocolVersion>
0156	<BatchCount type="Integer" value="1"/>
0157	</RequestHeader>
0158	<BatchItem>

0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>
0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="1"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="1"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="1"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>

0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

261

262 3.5.3 SKFF-O-3-11

263 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy SKIPJACK-80

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0016	<AttributeValue type="Enumeration" value="SKIPJACK"/>
0017	</Attribute>
0018	<Attribute>
0019	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0020	<AttributeValue type="Integer" value="80"/>
0021	</Attribute>
0022	<Attribute>
0023	<AttributeName type="TextString" value="Name"/>
0024	<AttributeValue>
0025	<NameValue type="TextString" value="SKFF-O-3-11"/>
0026	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0027	</AttributeValue>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
0032	</Attribute>
0033	</TemplateAttribute>
0034	</RequestPayload>
0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
0038	<ResponseHeader>
0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="1"/>
0042	</ProtocolVersion>
0043	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044	<BatchCount type="Integer" value="1"/>

0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0052	</ResponsePayload>
0053	</BatchItem>
0054	</ResponseMessage>
# TIME 1	
0055	<RequestMessage>
0056	<RequestHeader>
0057	<ProtocolVersion>
0058	<ProtocolVersionMajor type="Integer" value="1"/>
0059	<ProtocolVersionMinor type="Integer" value="1"/>
0060	</ProtocolVersion>
0061	<BatchCount type="Integer" value="1"/>
0062	</RequestHeader>
0063	<BatchItem>
0064	<Operation type="Enumeration" value="GetAttributes"/>
0065	<RequestPayload>
0066	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
0070	</RequestMessage>
0071	<ResponseMessage>
0072	<ResponseHeader>
0073	<ProtocolVersion>
0074	<ProtocolVersionMajor type="Integer" value="1"/>
0075	<ProtocolVersionMinor type="Integer" value="1"/>
0076	</ProtocolVersion>
0077	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0078	<BatchCount type="Integer" value="1"/>
0079	</ResponseHeader>
0080	<BatchItem>
0081	<Operation type="Enumeration" value="GetAttributes"/>
0082	<ResultStatus type="Enumeration" value="Success"/>
0083	<ResponsePayload>
0084	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0085	<Attribute>
0086	<AttributeName type="TextString" value="State"/>
0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
# TIME 2	
0092	<RequestMessage>
0093	<RequestHeader>
0094	<ProtocolVersion>
0095	<ProtocolVersionMajor type="Integer" value="1"/>
0096	<ProtocolVersionMinor type="Integer" value="1"/>
0097	</ProtocolVersion>

0098	<BatchCount type="Integer" value="1"/>
0099	</RequestHeader>
0100	<BatchItem>
0101	<Operation type="Enumeration" value="Activate"/>
0102	<RequestPayload>
0103	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0104	</RequestPayload>
0105	</BatchItem>
0106	</RequestMessage>
0107	<ResponseMessage>
0108	<ResponseHeader>
0109	<ProtocolVersion>
0110	<ProtocolVersionMajor type="Integer" value="1"/>
0111	<ProtocolVersionMinor type="Integer" value="1"/>
0112	</ProtocolVersion>
0113	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0114	<BatchCount type="Integer" value="1"/>
0115	</ResponseHeader>
0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
0119	<ResponsePayload>
0120	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0121	</ResponsePayload>
0122	</BatchItem>
0123	</ResponseMessage>
0124	# TIME 3
0125	<RequestMessage>
0126	<RequestHeader>
0127	<ProtocolVersion>
0128	<ProtocolVersionMajor type="Integer" value="1"/>
0129	<ProtocolVersionMinor type="Integer" value="1"/>
0130	</ProtocolVersion>
0131	<BatchCount type="Integer" value="1"/>
0132	</RequestHeader>
0133	<BatchItem>
0134	<Operation type="Enumeration" value="GetAttributes"/>
0135	<RequestPayload>
	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
0141	<ResponseHeader>
0142	<ProtocolVersion>
0143	<ProtocolVersionMajor type="Integer" value="1"/>
0144	<ProtocolVersionMinor type="Integer" value="1"/>
0145	</ProtocolVersion>
0146	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>

0152	<ResponsePayload>
0153	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
	# TIME 4
0161	<RequestMessage>
0162	<RequestHeader>
0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="1"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-O-3-11"/>
0180	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
0183	</RequestPayload>
0184	</BatchItem>
0185	</RequestMessage>
0186	<ResponseMessage>
0187	<ResponseHeader>
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0192	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>
0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
0201	</BatchItem>
0202	</ResponseMessage>
	# TIME 5
0203	<RequestMessage>
0204	<RequestHeader>

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0209	<BatchCount type="Integer" value="1"/>
0210	</RequestHeader>
0211	<BatchItem>
0212	<Operation type="Enumeration" value="Get"/>
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0214	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
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0217	</RequestMessage>
0218	<ResponseMessage>
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0224	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString"
	value="1778963e51b52027aaa0"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration"
	value="SKIPJACK"/>
0240	<CryptographicLength type="Integer" value="80"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>
	# TIME 6
0246	<RequestMessage>
0247	<RequestHeader>
0248	<ProtocolVersion>
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0253	</RequestHeader>
0254	<BatchItem>
0255	<Operation type="Enumeration" value="Revoke"/>
0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString"

0258	value="\$UNIQUE_IDENTIFIER_0"/>
0259	<RevocationReason>
	<RevocationReasonCode type="Enumeration"
0260	value="KeyCompromise"/>
0261	</RevocationReason>
	<CompromiseOccurrenceDate type="DateTime" value="1970-01-
0262	01T00:00:06+00:00"/>
0263	</RequestPayload>
0264	</BatchItem>
	</RequestMessage>
0265	<ResponseMessage>
0266	<ResponseHeader>
0267	<ProtocolVersion>
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0272	<BatchCount type="Integer" value="1"/>
0273	</ResponseHeader>
0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
0278	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0279	</ResponsePayload>
0280	</BatchItem>
0281	</ResponseMessage>
0282	# TIME 7
0283	<RequestMessage>
0284	<RequestHeader>
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0290	</RequestHeader>
0291	<BatchItem>
0292	<Operation type="Enumeration" value="GetAttributes"/>
0293	<RequestPayload>
	<UniqueIdentifier type="TextString"
0294	value="\$UNIQUE_IDENTIFIER_0"/>
0295	<AttributeName type="TextString" value="State"/>
0296	</RequestPayload>
0297	</BatchItem>
	</RequestMessage>
0298	<ResponseMessage>
0299	<ResponseHeader>
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0305	<BatchCount type="Integer" value="1"/>
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0307	<BatchItem>
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0309	<ResultStatus type="Enumeration" value="Success"/>

0310	<ResponsePayload>
0311	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
0317	</BatchItem>
0318	</ResponseMessage>
# TIME 8	
0319	<RequestMessage>
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0323	<ProtocolVersionMinor type="Integer" value="1"/>
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0325	<BatchCount type="Integer" value="1"/>
0326	</RequestHeader>
0327	<BatchItem>
0328	<Operation type="Enumeration" value="GetAttributeList"/>
0329	<RequestPayload>
0330	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
0332	</BatchItem>
0333	</RequestMessage>
0334	<ResponseMessage>
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0338	<ProtocolVersionMinor type="Integer" value="1"/>
0339	</ProtocolVersion>
0340	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0341	<BatchCount type="Integer" value="1"/>
0342	</ResponseHeader>
0343	<BatchItem>
0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
0346	<ResponsePayload>
0347	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>

0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Revocation Reason"/>
0363	<AttributeName type="TextString" value="State"/>
0364	</ResponsePayload>
0365	</BatchItem>
0366	</ResponseMessage>
# TIME 9	
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0369	<ProtocolVersion>
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0372	</ProtocolVersion>
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0374	</RequestHeader>
0375	<BatchItem>
0376	<Operation type="Enumeration" value="GetAttributes"/>
0377	<RequestPayload>
0378	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0379	<AttributeName type="TextString" value="State"/>
0380	</RequestPayload>
0381	</BatchItem>
0382	</RequestMessage>
0383	<ResponseMessage>
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0390	<BatchCount type="Integer" value="1"/>
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0392	<BatchItem>
0393	<Operation type="Enumeration" value="GetAttributes"/>
0394	<ResultStatus type="Enumeration" value="Success"/>
0395	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0397	<Attribute>
0398	<AttributeName type="TextString" value="State"/>
0399	<AttributeValue type="Enumeration" value="Compromised"/>
0400	</Attribute>
0401	</ResponsePayload>
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0403	</ResponseMessage>
# TIME 10	
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0405	<RequestHeader>
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0409	</ProtocolVersion>
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0411	</RequestHeader>
0412	<BatchItem>
0413	<Operation type="Enumeration" value="AddAttribute"/>

0414	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0415	<RequestPayload>
0416	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0417	<Attribute>
0418	<AttributeName type="TextString" value="x-attribute1"/>
0419	<AttributeValue type="TextString" value="Value1"/>
0420	</Attribute>
0421	</RequestPayload>
0422	</BatchItem>
0423	<BatchItem>
0424	<Operation type="Enumeration" value="AddAttribute"/>
0425	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0426	<RequestPayload>
0427	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0428	<Attribute>
0429	<AttributeName type="TextString" value="x-attribute2"/>
0430	<AttributeValue type="TextString" value="Value2"/>
0431	</Attribute>
0432	</RequestPayload>
0433	</BatchItem>
0434	</RequestMessage>
0435	<ResponseMessage>
0436	<ResponseHeader>
0437	<ProtocolVersion>
0438	<ProtocolVersionMajor type="Integer" value="1"/>
0439	<ProtocolVersionMinor type="Integer" value="1"/>
0440	</ProtocolVersion>
0441	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0442	<BatchCount type="Integer" value="2"/>
0443	</ResponseHeader>
0444	<BatchItem>
0445	<Operation type="Enumeration" value="AddAttribute"/>
0446	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0447	<ResultStatus type="Enumeration" value="Success"/>
0448	<ResponsePayload>
0449	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0450	<Attribute>
0451	<AttributeName type="TextString" value="x-attribute1"/>
0452	<AttributeValue type="TextString" value="Value1"/>
0453	</Attribute>
0454	</ResponsePayload>
0455	</BatchItem>
0456	<BatchItem>
0457	<Operation type="Enumeration" value="AddAttribute"/>
0458	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0459	<ResultStatus type="Enumeration" value="Success"/>
0460	<ResponsePayload>
0461	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0462	<Attribute>
0463	<AttributeName type="TextString" value="x-attribute2"/>
0464	<AttributeValue type="TextString" value="Value2"/>
0465	</Attribute>
0466	</ResponsePayload>
0467	</BatchItem>

0468	</ResponseMessage>
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0470	<RequestMessage>
0471	<RequestHeader>
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0473	<ProtocolVersionMajor type="Integer" value="1"/>
0474	<ProtocolVersionMinor type="Integer" value="1"/>
0475	</ProtocolVersion>
0476	<BatchCount type="Integer" value="2"/>
0477	</RequestHeader>
0478	<BatchItem>
0479	<Operation type="Enumeration" value="ModifyAttribute"/>
0480	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0481	<RequestPayload>
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0483	value="\$UNIQUE_IDENTIFIER_0"/>
0484	<Attribute>
0485	<AttributeName type="TextString" value="x-attribute1"/>
0486	<AttributeValue type="TextString" value="ModifiedValue1"/>
0487	</Attribute>
0488	</RequestPayload>
0489	</BatchItem>
0490	<BatchItem>
0491	<Operation type="Enumeration" value="ModifyAttribute"/>
0492	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0493	<RequestPayload>
0494	<UniqueIdentifier type="TextString"
0495	value="\$UNIQUE_IDENTIFIER_0"/>
0496	<Attribute>
0497	<AttributeName type="TextString" value="x-attribute2"/>
0498	<AttributeValue type="TextString" value="ModifiedValue2"/>
0499	</Attribute>
0500	</RequestPayload>
0501	</BatchItem>
0502	</RequestMessage>
0503	<ResponseMessage>
0504	<ResponseHeader>
0505	<ProtocolVersion>
0506	<ProtocolVersionMajor type="Integer" value="1"/>
0507	<ProtocolVersionMinor type="Integer" value="1"/>
0508	</ProtocolVersion>
0509	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0510	<BatchCount type="Integer" value="2"/>
0511	</ResponseHeader>
0512	<BatchItem>
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0514	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0515	<ResultStatus type="Enumeration" value="Success"/>
0516	<ResponsePayload>
0517	<UniqueIdentifier type="TextString"
0518	value="\$UNIQUE_IDENTIFIER_0"/>
0519	<Attribute>
0520	<AttributeName type="TextString" value="x-attribute1"/>
0521	<AttributeValue type="TextString" value="ModifiedValue1"/>
0522	</Attribute>
0523	</ResponsePayload>
0524	</BatchItem>
0525	</ResponseMessage>

0522	<Operation type="Enumeration" value="ModifyAttribute"/>
0523	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0524	<ResultStatus type="Enumeration" value="Success"/>
0525	<ResponsePayload>
0526	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0527	<Attribute>
0528	<AttributeName type="TextString" value="x-attribute2"/>
0529	<AttributeValue type="TextString" value="ModifiedValue2"/>
0530	</Attribute>
0531	</ResponsePayload>
0532	</BatchItem>
0533	</ResponseMessage>
# TIME 12	
0534	<RequestMessage>
0535	<RequestHeader>
0536	<ProtocolVersion>
0537	<ProtocolVersionMajor type="Integer" value="1"/>
0538	<ProtocolVersionMinor type="Integer" value="1"/>
0539	</ProtocolVersion>
0540	<BatchCount type="Integer" value="2"/>
0541	</RequestHeader>
0542	<BatchItem>
0543	<Operation type="Enumeration" value="DeleteAttribute"/>
0544	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0545	<RequestPayload>
0546	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0547	<AttributeName type="TextString" value="x-attribute1"/>
0548	</RequestPayload>
0549	</BatchItem>
0550	<BatchItem>
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0552	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0553	<RequestPayload>
0554	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0555	<AttributeName type="TextString" value="x-attribute2"/>
0556	</RequestPayload>
0557	</BatchItem>
0558	</RequestMessage>
0559	<ResponseMessage>
0560	<ResponseHeader>
0561	<ProtocolVersion>
0562	<ProtocolVersionMajor type="Integer" value="1"/>
0563	<ProtocolVersionMinor type="Integer" value="1"/>
0564	</ProtocolVersion>
0565	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0566	<BatchCount type="Integer" value="2"/>
0567	</ResponseHeader>
0568	<BatchItem>
0569	<Operation type="Enumeration" value="DeleteAttribute"/>
0570	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0571	<ResultStatus type="Enumeration" value="Success"/>
0572	<ResponsePayload>
0573	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0574	<Attribute>

0575	<AttributeName type="TextString" value="x-attribute1"/>
0576	<AttributeValue type="TextString" value="ModifiedValue1"/>
0577	</Attribute>
0578	</ResponsePayload>
0579	</BatchItem>
0580	<BatchItem>
0581	<Operation type="Enumeration" value="DeleteAttribute"/>
0582	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0583	<ResultStatus type="Enumeration" value="Success"/>
0584	<ResponsePayload>
0585	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0586	<Attribute>
0587	<AttributeName type="TextString" value="x-attribute2"/>
0588	<AttributeValue type="TextString" value="ModifiedValue2"/>
0589	</Attribute>
0590	</ResponsePayload>
0591	</BatchItem>
0592	</ResponseMessage>
# TIME 13	
0593	<RequestMessage>
0594	<RequestHeader>
0595	<ProtocolVersion>
0596	<ProtocolVersionMajor type="Integer" value="1"/>
0597	<ProtocolVersionMinor type="Integer" value="1"/>
0598	</ProtocolVersion>
0599	<BatchCount type="Integer" value="1"/>
0600	</RequestHeader>
0601	<BatchItem>
0602	<Operation type="Enumeration" value="Get"/>
0603	<RequestPayload>
0604	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0605	</RequestPayload>
0606	</BatchItem>
0607	</RequestMessage>
0608	<ResponseMessage>
0609	<ResponseHeader>
0610	<ProtocolVersion>
0611	<ProtocolVersionMajor type="Integer" value="1"/>
0612	<ProtocolVersionMinor type="Integer" value="1"/>
0613	</ProtocolVersion>
0614	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0615	<BatchCount type="Integer" value="1"/>
0616	</ResponseHeader>
0617	<BatchItem>
0618	<Operation type="Enumeration" value="Get"/>
0619	<ResultStatus type="Enumeration" value="Success"/>
0620	<ResponsePayload>
0621	<ObjectType type="Enumeration" value="SymmetricKey"/>
0622	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0623	<SymmetricKey>
0624	<KeyBlock>
0625	<KeyFormatType type="Enumeration" value="Raw"/>
0626	<KeyValue>
0627	<KeyMaterial type="ByteString"
	value="1778963e51b52027aaa0"/>

0628	</KeyValue>
0629	<CryptographicAlgorithm type="Enumeration" value="SKIPJACK"/>
0630	<CryptographicLength type="Integer" value="80"/>
0631	</KeyBlock>
0632	</SymmetricKey>
0633	</ResponsePayload>
0634	</BatchItem>
0635	</ResponseMessage>
# TIME 14	
0636	<RequestMessage>
0637	<RequestHeader>
0638	<ProtocolVersion>
0639	<ProtocolVersionMajor type="Integer" value="1"/>
0640	<ProtocolVersionMinor type="Integer" value="1"/>
0641	</ProtocolVersion>
0642	<BatchCount type="Integer" value="1"/>
0643	</RequestHeader>
0644	<BatchItem>
0645	<Operation type="Enumeration" value="Destroy"/>
0646	<RequestPayload>
0647	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0648	</RequestPayload>
0649	</BatchItem>
0650	</RequestMessage>
0651	<ResponseMessage>
0652	<ResponseHeader>
0653	<ProtocolVersion>
0654	<ProtocolVersionMajor type="Integer" value="1"/>
0655	<ProtocolVersionMinor type="Integer" value="1"/>
0656	</ProtocolVersion>
0657	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0658	<BatchCount type="Integer" value="1"/>
0659	</ResponseHeader>
0660	<BatchItem>
0661	<Operation type="Enumeration" value="Destroy"/>
0662	<ResultStatus type="Enumeration" value="Success"/>
0663	<ResponsePayload>
0664	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0665	</ResponsePayload>
0666	</BatchItem>
0667	</ResponseMessage>

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265 3.5.4 SKFF-O-4-11

266 Create, Destroy DES3-112

# TIME 0	
0001	<RequestMessage>
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0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>

0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="DES3"/>
0018	</Attribute>
0019	<Attribute>
0020	<AttributeName type="TextString" value="Cryptographic
0021	Length"/>
0022	<AttributeValue type="Integer" value="112"/>
0023	</Attribute>
0024	<Attribute>
0025	<AttributeName type="TextString" value="Cryptographic
0026	Usage Mask"/>
0027	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0028	</Attribute>
0029	</TemplateAttribute>
0030	</RequestPayload>
0031	</BatchItem>
0032	</RequestMessage>
0033	<ResponseMessage>
0034	<ResponseHeader>
0035	<ProtocolVersion>
0036	<ProtocolVersionMajor type="Integer" value="1"/>
0037	<ProtocolVersionMinor type="Integer" value="1"/>
0038	</ProtocolVersion>
0039	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0040	<BatchCount type="Integer" value="1"/>
0041	</ResponseHeader>
0042	<BatchItem>
0043	<Operation type="Enumeration" value="Create"/>
0044	<ResultStatus type="Enumeration" value="Success"/>
0045	<ResponsePayload>
0046	<ObjectType type="Enumeration" value="SymmetricKey"/>
0047	<UniqueIdentifier type="TextString"
0048	value="\$UNIQUE_IDENTIFIER_0"/>
0049	</ResponsePayload>
0050	</BatchItem>
0051	</ResponseMessage>
0052	# TIME 1
0053	<RequestMessage>
0054	<RequestHeader>
0055	<ProtocolVersion>
0056	<ProtocolVersionMajor type="Integer" value="1"/>
0057	<ProtocolVersionMinor type="Integer" value="1"/>
0058	</ProtocolVersion>
0059	<BatchCount type="Integer" value="1"/>
0060	</RequestHeader>
0061	<BatchItem>
0062	<Operation type="Enumeration" value="Destroy"/>
0063	<RequestPayload>
0064	<UniqueIdentifier type="TextString"
0065	value="\$UNIQUE_IDENTIFIER_0"/>

0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="1"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

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268 3.5.5 SKFF-O-5-11

269 Create, Locate, Get, Destroy, Locate DES3-112

	# TIME 0
0001	<RequestMessage>
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0003	<ProtocolVersion>
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0005	<ProtocolVersionMinor type="Integer" value="1"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
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0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-O-5-11"/>
0018	<NameType type="Enumeration" value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
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0026	<AttributeName type="TextString" value="Cryptographic Length"/>
0027	<AttributeValue type="Integer" value="112"/>

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0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
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0035	<AttributeValue type="TextString" value="Joe"/>
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0139	<code><CryptographicLength type="Integer" value="112"/></code>
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0158	<code>value="\$UNIQUE_IDENTIFIER_0"/></code>
0159	<code></RequestPayload></code>
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0161	<code></RequestMessage></code>
0162	<code><ResponseMessage></code>
0163	<code><ResponseHeader></code>
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0179	<code></ResponseMessage></code>
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0201	<BatchCount type="Integer" value="1"/>
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0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

270

271 3.5.6 SKFF-O-6-11

272 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy DES3-112

	# TIME 0
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0014	<Attribute>
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0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="DES3"/>
0018	</Attribute>
0019	<Attribute>
0020	<AttributeName type="TextString" value="Cryptographic
0021	Length"/>
0022	<AttributeValue type="Integer" value="112"/>
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0025	<AttributeName type="TextString" value="Name"/>
0026	<Attribute>
0027	<NameValue type="TextString" value="SKFF-O-6-11"/>
0028	<NameType type="Enumeration"

0027	value="UninterpretedTextString"/>
0028	</AttributeValue>
0029	</Attribute>
0030	<AttributeName type="TextString" value="Cryptographic Usage Mask"/>
0031	<AttributeValue type="Integer" value="Encrypt"/>
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0033	</TemplateAttribute>
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0052	value="\$UNIQUE_IDENTIFIER_0"/>
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	</ResponseHeader>

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0114	<BatchCount type="Integer" value="1"/>
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	# TIME 3
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0136	<AttributeName type="TextString" value="State"/>
0137	</RequestPayload>
0138	</BatchItem>
0139	</RequestMessage>
0140	<ResponseMessage>
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0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
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0168	</RequestHeader>
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0234	<KeyBlock>
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0236	<KeyValue>
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0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="DES3"/>

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0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration" value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-01T00:00:06+00:00"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0314	<AttributeValue type="Enumeration" value="Compromised"/>
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0341	<BatchCount type="Integer" value="1"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Object Group"/>
0363	<AttributeName type="TextString" value="Revocation Reason"/>
0364	<AttributeName type="TextString" value="State"/>
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0366	</BatchItem>
0367	</ResponseMessage>
	# TIME 9
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0395	<ResultStatus type="Enumeration" value="Success"/>
0396	<ResponsePayload>

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	value="\$UNIQUE_IDENTIFIER_0"/>
0398	<Attribute>
0399	<AttributeName type="TextString" value="State"/>
0400	<AttributeValue type="Enumeration" value="Compromised"/>
0401	</Attribute>
0402	</ResponsePayload>
0403	</BatchItem>
0404	</ResponseMessage>
	# TIME 10
0405	<RequestMessage>
0406	<RequestHeader>
0407	<ProtocolVersion>
0408	<ProtocolVersionMajor type="Integer" value="1"/>
0409	<ProtocolVersionMinor type="Integer" value="1"/>
0410	</ProtocolVersion>
0411	<BatchCount type="Integer" value="2"/>
0412	</RequestHeader>
0413	<BatchItem>
0414	<Operation type="Enumeration" value="AddAttribute"/>
0415	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0416	<RequestPayload>
0417	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0418	<Attribute>
0419	<AttributeName type="TextString" value="x-attribute1"/>
0420	<AttributeValue type="TextString" value="Value1"/>
0421	</Attribute>
0422	</RequestPayload>
0423	</BatchItem>
0424	<BatchItem>
0425	<Operation type="Enumeration" value="AddAttribute"/>
0426	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0427	<RequestPayload>
0428	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0429	<Attribute>
0430	<AttributeName type="TextString" value="x-attribute2"/>
0431	<AttributeValue type="TextString" value="Value2"/>
0432	</Attribute>
0433	</RequestPayload>
0434	</BatchItem>
0435	</RequestMessage>
0436	<ResponseMessage>
0437	<ResponseHeader>
0438	<ProtocolVersion>
0439	<ProtocolVersionMajor type="Integer" value="1"/>
0440	<ProtocolVersionMinor type="Integer" value="1"/>
0441	</ProtocolVersion>
0442	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0443	<BatchCount type="Integer" value="2"/>
0444	</ResponseHeader>
0445	<BatchItem>
0446	<Operation type="Enumeration" value="AddAttribute"/>
0447	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0448	<ResultStatus type="Enumeration" value="Success"/>
0449	<ResponsePayload>
0450	<UniqueIdentifier type="TextString"

0451	value="\$UNIQUE_IDENTIFIER_0"/>
0452	<Attribute>
0453	<AttributeName type="TextString" value="x-attribute1"/>
0454	<AttributeValue type="TextString" value="Value1"/>
0455	</Attribute>
0456	</ResponsePayload>
0457	</BatchItem>
0458	<Operation type="Enumeration" value="AddAttribute"/>
0459	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0460	<ResultStatus type="Enumeration" value="Success"/>
0461	<ResponsePayload>
0462	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0463	<Attribute>
0464	<AttributeName type="TextString" value="x-attribute2"/>
0465	<AttributeValue type="TextString" value="Value2"/>
0466	</Attribute>
0467	</ResponsePayload>
0468	</BatchItem>
0469	</ResponseMessage>
	# TIME 11
0470	<RequestMessage>
0471	<RequestHeader>
0472	<ProtocolVersion>
0473	<ProtocolVersionMajor type="Integer" value="1"/>
0474	<ProtocolVersionMinor type="Integer" value="1"/>
0475	</ProtocolVersion>
0476	<BatchCount type="Integer" value="2"/>
0477	</RequestHeader>
0478	<BatchItem>
0479	<Operation type="Enumeration" value="ModifyAttribute"/>
0480	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0481	<RequestPayload>
0482	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0483	<Attribute>
0484	<AttributeName type="TextString" value="x-attribute1"/>
0485	<AttributeValue type="TextString" value="ModifiedValue1"/>
0486	</Attribute>
0487	</RequestPayload>
0488	</BatchItem>
0489	<BatchItem>
0490	<Operation type="Enumeration" value="ModifyAttribute"/>
0491	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0492	<RequestPayload>
0493	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0494	<Attribute>
0495	<AttributeName type="TextString" value="x-attribute2"/>
0496	<AttributeValue type="TextString" value="ModifiedValue2"/>
0497	</Attribute>
0498	</RequestPayload>
0499	</BatchItem>
0500	</RequestMessage>
0501	<ResponseMessage>
0502	<ResponseHeader>
0503	<ProtocolVersion>

0504	<ProtocolVersionMajor type="Integer" value="1"/>
0505	<ProtocolVersionMinor type="Integer" value="1"/>
0506	</ProtocolVersion>
0507	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0508	<BatchCount type="Integer" value="2"/>
0509	</ResponseHeader>
0510	<BatchItem>
0511	<Operation type="Enumeration" value="ModifyAttribute"/>
0512	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0513	<ResultStatus type="Enumeration" value="Success"/>
0514	<ResponsePayload>
0515	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0516	<Attribute>
0517	<AttributeName type="TextString" value="x-attribute1"/>
0518	<AttributeValue type="TextString" value="ModifiedValue1"/>
0519	</Attribute>
0520	</ResponsePayload>
0521	</BatchItem>
0522	<BatchItem>
0523	<Operation type="Enumeration" value="ModifyAttribute"/>
0524	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0525	<ResultStatus type="Enumeration" value="Success"/>
0526	<ResponsePayload>
0527	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0528	<Attribute>
0529	<AttributeName type="TextString" value="x-attribute2"/>
0530	<AttributeValue type="TextString" value="ModifiedValue2"/>
0531	</Attribute>
0532	</ResponsePayload>
0533	</BatchItem>
0534	</ResponseMessage>
	# TIME 12
0535	<RequestMessage>
0536	<RequestHeader>
0537	<ProtocolVersion>
0538	<ProtocolVersionMajor type="Integer" value="1"/>
0539	<ProtocolVersionMinor type="Integer" value="1"/>
0540	</ProtocolVersion>
0541	<BatchCount type="Integer" value="2"/>
0542	</RequestHeader>
0543	<BatchItem>
0544	<Operation type="Enumeration" value="DeleteAttribute"/>
0545	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0546	<RequestPayload>
0547	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0548	<AttributeName type="TextString" value="x-attribute1"/>
0549	</RequestPayload>
0550	</BatchItem>
0551	<BatchItem>
0552	<Operation type="Enumeration" value="DeleteAttribute"/>
0553	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0554	<RequestPayload>
0555	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0556	<AttributeName type="TextString" value="x-attribute2"/>

0557	</RequestPayload>
0558	</BatchItem>
0559	</RequestMessage>
0560	<ResponseMessage>
0561	<ResponseHeader>
0562	<ProtocolVersion>
0563	<ProtocolVersionMajor type="Integer" value="1"/>
0564	<ProtocolVersionMinor type="Integer" value="1"/>
0565	</ProtocolVersion>
0566	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0567	<BatchCount type="Integer" value="2"/>
0568	</ResponseHeader>
0569	<BatchItem>
0570	<Operation type="Enumeration" value="DeleteAttribute"/>
0571	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0572	<ResultStatus type="Enumeration" value="Success"/>
0573	<ResponsePayload>
0574	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0575	<Attribute>
0576	<AttributeName type="TextString" value="x-attribute1"/>
0577	<AttributeValue type="TextString" value="ModifiedValue1"/>
0578	</Attribute>
0579	</ResponsePayload>
0580	</BatchItem>
0581	<BatchItem>
0582	<Operation type="Enumeration" value="DeleteAttribute"/>
0583	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0584	<ResultStatus type="Enumeration" value="Success"/>
0585	<ResponsePayload>
0586	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0587	<Attribute>
0588	<AttributeName type="TextString" value="x-attribute2"/>
0589	<AttributeValue type="TextString" value="ModifiedValue2"/>
0590	</Attribute>
0591	</ResponsePayload>
0592	</BatchItem>
0593	</ResponseMessage>
	# TIME 13
0594	<RequestMessage>
0595	<RequestHeader>
0596	<ProtocolVersion>
0597	<ProtocolVersionMajor type="Integer" value="1"/>
0598	<ProtocolVersionMinor type="Integer" value="1"/>
0599	</ProtocolVersion>
0600	<BatchCount type="Integer" value="1"/>
0601	</RequestHeader>
0602	<BatchItem>
0603	<Operation type="Enumeration" value="Get"/>
0604	<RequestPayload>
0605	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0606	</RequestPayload>
0607	</BatchItem>
0608	</RequestMessage>
0609	<ResponseMessage>
0610	<ResponseHeader>

0611	<ProtocolVersion>
0612	<ProtocolVersionMajor type="Integer" value="1"/>
0613	<ProtocolVersionMinor type="Integer" value="1"/>
0614	</ProtocolVersion>
0615	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0616	<BatchCount type="Integer" value="1"/>
0617	</ResponseHeader>
0618	<BatchItem>
0619	<Operation type="Enumeration" value="Get"/>
0620	<ResultStatus type="Enumeration" value="Success"/>
0621	<ResponsePayload>
0622	<ObjectType type="Enumeration" value="SymmetricKey"/>
0623	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0624	<SymmetricKey>
0625	<KeyBlock>
0626	<KeyFormatType type="Enumeration" value="Raw"/>
0627	<KeyValue>
0628	<KeyMaterial type="ByteString"
	value="100129b96802a2152aa8d9fb54ec1f83"/>
0629	</KeyValue>
0630	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0631	<CryptographicLength type="Integer" value="112"/>
0632	</KeyBlock>
0633	</SymmetricKey>
0634	</ResponsePayload>
0635	</BatchItem>
0636	</ResponseMessage>
	# TIME 14
0637	<RequestMessage>
0638	<RequestHeader>
0639	<ProtocolVersion>
0640	<ProtocolVersionMajor type="Integer" value="1"/>
0641	<ProtocolVersionMinor type="Integer" value="1"/>
0642	</ProtocolVersion>
0643	<BatchCount type="Integer" value="1"/>
0644	</RequestHeader>
0645	<BatchItem>
0646	<Operation type="Enumeration" value="Destroy"/>
0647	<RequestPayload>
0648	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0649	</RequestPayload>
0650	</BatchItem>
0651	</RequestMessage>
0652	<ResponseMessage>
0653	<ResponseHeader>
0654	<ProtocolVersion>
0655	<ProtocolVersionMajor type="Integer" value="1"/>
0656	<ProtocolVersionMinor type="Integer" value="1"/>
0657	</ProtocolVersion>
0658	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0659	<BatchCount type="Integer" value="1"/>
0660	</ResponseHeader>
0661	<BatchItem>
0662	<Operation type="Enumeration" value="Destroy"/>
0663	<ResultStatus type="Enumeration" value="Success"/>
0664	<ResponsePayload>

0665	<code><UniqueIdentifier type="TextString"</code>
	<code>value="\$UNIQUE_IDENTIFIER_0"/></code>
0666	<code></ResponsePayload></code>
0667	<code></BatchItem></code>
0668	<code></ResponseMessage></code>

273

274

275

276 3.6 Optional Test Cases KMIP 1.2

277 This section documents the test cases that a client or server conformant to the Symmetric Key Foundry
278 (FIPS140) Profile MAY support under KMIP Specification 1.2.

279 3.6.1 SKFF-O-1-12

280 Create, Destroy SKIPJACK-80

	<code># TIME 0</code>
0001	<code><RequestMessage></code>
0002	<code><RequestHeader></code>
0003	<code><ProtocolVersion></code>
0004	<code><ProtocolVersionMajor type="Integer" value="1"/></code>
0005	<code><ProtocolVersionMinor type="Integer" value="2"/></code>
0006	<code></ProtocolVersion></code>
0007	<code><BatchCount type="Integer" value="1"/></code>
0008	<code></RequestHeader></code>
0009	<code><BatchItem></code>
0010	<code><Operation type="Enumeration" value="Create"/></code>
0011	<code><RequestPayload></code>
0012	<code><ObjectType type="Enumeration" value="SymmetricKey"/></code>
0013	<code><TemplateAttribute></code>
0014	<code><Attribute></code>
0015	<code><AttributeName type="TextString" value="Cryptographic</code>
	<code>Algorithm"/></code>
0016	<code><AttributeValue type="Enumeration" value="SKIPJACK"/></code>
0017	<code></Attribute></code>
0018	<code><Attribute></code>
0019	<code><AttributeName type="TextString" value="Cryptographic</code>
	<code>Length"/></code>
0020	<code><AttributeValue type="Integer" value="80"/></code>
0021	<code></Attribute></code>
0022	<code><Attribute></code>
0023	<code><AttributeName type="TextString" value="Cryptographic</code>
	<code>Usage Mask"/></code>
0024	<code><AttributeValue type="Integer" value="Decrypt Encrypt"/></code>
0025	<code></Attribute></code>
0026	<code></TemplateAttribute></code>
0027	<code></RequestPayload></code>
0028	<code></BatchItem></code>
0029	<code></RequestMessage></code>
0030	<code><ResponseMessage></code>
0031	<code><ResponseHeader></code>
0032	<code><ProtocolVersion></code>
0033	<code><ProtocolVersionMajor type="Integer" value="1"/></code>
0034	<code><ProtocolVersionMinor type="Integer" value="2"/></code>
0035	<code></ProtocolVersion></code>

0036	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0037	<BatchCount type="Integer" value="1"/>
0038	</ResponseHeader>
0039	<BatchItem>
0040	<Operation type="Enumeration" value="Create"/>
0041	<ResultStatus type="Enumeration" value="Success"/>
0042	<ResponsePayload>
0043	<ObjectType type="Enumeration" value="SymmetricKey"/>
0044	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0045	</ResponsePayload>
0046	</BatchItem>
0047	</ResponseMessage>
# TIME 1	
0048	<RequestMessage>
0049	<RequestHeader>
0050	<ProtocolVersion>
0051	<ProtocolVersionMajor type="Integer" value="1"/>
0052	<ProtocolVersionMinor type="Integer" value="2"/>
0053	</ProtocolVersion>
0054	<BatchCount type="Integer" value="1"/>
0055	</RequestHeader>
0056	<BatchItem>
0057	<Operation type="Enumeration" value="Destroy"/>
0058	<RequestPayload>
0059	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0060	</RequestPayload>
0061	</BatchItem>
0062	</RequestMessage>
0063	<ResponseMessage>
0064	<ResponseHeader>
0065	<ProtocolVersion>
0066	<ProtocolVersionMajor type="Integer" value="1"/>
0067	<ProtocolVersionMinor type="Integer" value="2"/>
0068	</ProtocolVersion>
0069	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070	<BatchCount type="Integer" value="1"/>
0071	</ResponseHeader>
0072	<BatchItem>
0073	<Operation type="Enumeration" value="Destroy"/>
0074	<ResultStatus type="Enumeration" value="Success"/>
0075	<ResponsePayload>
0076	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0077	</ResponsePayload>
0078	</BatchItem>
0079	</ResponseMessage>

281

282 3.6.2 SKFF-O-2-12

283 Create, Locate, Get, Destroy, Locate SKIPJACK-80

# TIME 0	
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>

0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Name"/>
0016	<AttributeValue>
0017	<NameValue type="TextString" value="SKFF-O-2-12"/>
0018	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0019	</AttributeValue>
0020	</Attribute>
0021	<Attribute>
0022	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0023	<AttributeValue type="Enumeration" value="SKIPJACK"/>
0024	</Attribute>
0025	<Attribute>
0026	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0027	<AttributeValue type="Integer" value="80"/>
0028	</Attribute>
0029	<Attribute>
0030	<AttributeName type="TextString" value="Cryptographic
	Usage Mask"/>
0031	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032	</Attribute>
0033	<Attribute>
0034	<AttributeName type="TextString" value="Contact
	Information"/>
0035	<AttributeValue type="TextString" value="Joe"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
0039	</BatchItem>
0040	</RequestMessage>
0041	<ResponseMessage>
0042	<ResponseHeader>
0043	<ProtocolVersion>
0044	<ProtocolVersionMajor type="Integer" value="1"/>
0045	<ProtocolVersionMinor type="Integer" value="2"/>
0046	</ProtocolVersion>
0047	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0048	<BatchCount type="Integer" value="1"/>
0049	</ResponseHeader>
0050	<BatchItem>
0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>

0056	</ResponsePayload>
0057	</BatchItem>
0058	</ResponseMessage>
0059	# TIME 1
0060	<RequestMessage>
0061	<RequestHeader>
0062	<ProtocolVersion>
0063	<ProtocolVersionMajor type="Integer" value="1"/>
0064	<ProtocolVersionMinor type="Integer" value="2"/>
0065	</ProtocolVersion>
0066	<BatchCount type="Integer" value="1"/>
0067	</RequestHeader>
0068	<BatchItem>
0069	<Operation type="Enumeration" value="Locate"/>
0070	<RequestPayload>
0071	<Attribute>
0072	<AttributeName type="TextString" value="Object Type"/>
0073	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0074	</Attribute>
0075	<Attribute>
0076	<AttributeName type="TextString" value="Name"/>
0077	<AttributeValue>
0078	<NameValue type="TextString" value="SKFF-O-2-12"/>
0079	<NameType type="Enumeration" value="UninterpretedTextString"/>
0080	</AttributeValue>
0081	</Attribute>
0082	</RequestPayload>
0083	</BatchItem>
0084	</RequestMessage>
0085	<ResponseMessage>
0086	<ResponseHeader>
0087	<ProtocolVersion>
0088	<ProtocolVersionMajor type="Integer" value="1"/>
0089	<ProtocolVersionMinor type="Integer" value="2"/>
0090	</ProtocolVersion>
0091	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0092	<BatchCount type="Integer" value="1"/>
0093	</ResponseHeader>
0094	<BatchItem>
0095	<Operation type="Enumeration" value="Locate"/>
0096	<ResultStatus type="Enumeration" value="Success"/>
0097	<ResponsePayload>
0098	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0099	</ResponsePayload>
0100	</BatchItem>
0101	</ResponseMessage>
0102	# TIME 2
0103	<RequestMessage>
0104	<RequestHeader>
0105	<ProtocolVersion>
0106	<ProtocolVersionMajor type="Integer" value="1"/>
0107	<ProtocolVersionMinor type="Integer" value="2"/>
0108	</ProtocolVersion>
0109	<BatchCount type="Integer" value="1"/>
0110	</RequestHeader>
0111	<BatchItem>

0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="2"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="1778963e51b52027aaa0"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration"
	value="SKIPJACK"/>
0138	<CryptographicLength type="Integer" value="80"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>
0142	</BatchItem>
0143	</ResponseMessage>
	# TIME 3
0144	<RequestMessage>
0145	<RequestHeader>
0146	<ProtocolVersion>
0147	<ProtocolVersionMajor type="Integer" value="1"/>
0148	<ProtocolVersionMinor type="Integer" value="2"/>
0149	</ProtocolVersion>
0150	<BatchCount type="Integer" value="1"/>
0151	</RequestHeader>
0152	<BatchItem>
0153	<Operation type="Enumeration" value="Destroy"/>
0154	<RequestPayload>
0155	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0156	</RequestPayload>
0157	</BatchItem>
0158	</RequestMessage>
0159	<ResponseMessage>
0160	<ResponseHeader>
0161	<ProtocolVersion>

0162	<ProtocolVersionMajor type="Integer" value="1"/>
0163	<ProtocolVersionMinor type="Integer" value="2"/>
0164	</ProtocolVersion>
0165	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0166	<BatchCount type="Integer" value="1"/>
0167	</ResponseHeader>
0168	<BatchItem>
0169	<Operation type="Enumeration" value="Destroy"/>
0170	<ResultStatus type="Enumeration" value="Success"/>
0171	<ResponsePayload>
0172	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0173	</ResponsePayload>
0174	</BatchItem>
0175	</ResponseMessage>
	# TIME 4
0176	<RequestMessage>
0177	<RequestHeader>
0178	<ProtocolVersion>
0179	<ProtocolVersionMajor type="Integer" value="1"/>
0180	<ProtocolVersionMinor type="Integer" value="2"/>
0181	</ProtocolVersion>
0182	<BatchCount type="Integer" value="1"/>
0183	</RequestHeader>
0184	<BatchItem>
0185	<Operation type="Enumeration" value="Locate"/>
0186	<RequestPayload>
0187	<Attribute>
0188	<AttributeName type="TextString" value="Unique Identifier"/>
0189	<AttributeValue type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0190	</Attribute>
0191	</RequestPayload>
0192	</BatchItem>
0193	</RequestMessage>
0194	<ResponseMessage>
0195	<ResponseHeader>
0196	<ProtocolVersion>
0197	<ProtocolVersionMajor type="Integer" value="1"/>
0198	<ProtocolVersionMinor type="Integer" value="2"/>
0199	</ProtocolVersion>
0200	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201	<BatchCount type="Integer" value="1"/>
0202	</ResponseHeader>
0203	<BatchItem>
0204	<Operation type="Enumeration" value="Locate"/>
0205	<ResultStatus type="Enumeration" value="Success"/>
0206	<ResponsePayload>
0207	</ResponsePayload>
0208	</BatchItem>
0209	</ResponseMessage>

284

285 3.6.3 SKFF-O-3-12

286 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy SKIPJACK-80

	# TIME 0
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0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic
0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="SKIPJACK"/>
0018	</Attribute>
0019	<Attribute>
0020	<AttributeName type="TextString" value="Cryptographic
0021	Length"/>
0022	<AttributeValue type="Integer" value="80"/>
0023	</Attribute>
0024	<Attribute>
0025	<AttributeName type="TextString" value="Name"/>
0026	<AttributeValue>
0027	<NameValue type="TextString" value="SKFF-O-3-12"/>
0028	<NameType type="Enumeration"
0029	value="UninterpretedTextString"/>
0030	</AttributeValue>
0031	</Attribute>
0032	<Attribute>
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0034	Usage Mask"/>
0035	<AttributeValue type="Integer" value="Encrypt"/>
0036	</Attribute>
0037	</TemplateAttribute>
0038	</RequestPayload>
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0051	<Operation type="Enumeration" value="Create"/>
0052	<ResultStatus type="Enumeration" value="Success"/>
0053	<ResponsePayload>
0054	<ObjectType type="Enumeration" value="SymmetricKey"/>
0055	<UniqueIdentifier type="TextString"
0056	value="\$UNIQUE_IDENTIFIER_0"/>
0057	</ResponsePayload>
0058	</BatchItem>

0054	</ResponseMessage>
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0062	</RequestHeader>
0063	<BatchItem>
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0066	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0067	<AttributeName type="TextString" value="State"/>
0068	</RequestPayload>
0069	</BatchItem>
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0087	<AttributeValue type="Enumeration" value="PreActive"/>
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0089	</ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0121	value="\$UNIQUE_IDENTIFIER_0"/>
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0131	</RequestHeader>
0132	<BatchItem>
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0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString"
0136	value="\$UNIQUE_IDENTIFIER_0"/>
0137	<AttributeName type="TextString" value="State"/>
0138	</RequestPayload>
0139	</BatchItem>
0140	</RequestMessage>
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0147	<BatchCount type="Integer" value="1"/>
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0149	<BatchItem>
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0154	value="\$UNIQUE_IDENTIFIER_0"/>
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0156	<AttributeName type="TextString" value="State"/>
0157	<AttributeValue type="Enumeration" value="Active"/>
0158	</Attribute>
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0161	# TIME 4
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0172	<RequestPayload>
0173	<Attribute>
0174	<AttributeName type="TextString" value="Object Type"/>
0175	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0176	</Attribute>
0177	<Attribute>
0178	<AttributeName type="TextString" value="Name"/>
0179	<AttributeValue>
0180	<NameValue type="TextString" value="SKFF-O-3-12"/>
0181	<NameType type="Enumeration"
0182	value="UninterpretedTextString"/>
0183	</AttributeValue>
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0195	<BatchCount type="Integer" value="1"/>
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0197	<BatchItem>
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0199	<ResultStatus type="Enumeration" value="Success"/>
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0202	value="\$UNIQUE_IDENTIFIER_0"/>
0203	</ResponsePayload>
0204	</BatchItem>
0205	</ResponseMessage>
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0214	</RequestHeader>
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0217	<RequestPayload>
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0215	value="\$UNIQUE_IDENTIFIER_0"/>
0216	</RequestPayload>
0217	</BatchItem>
0218	</RequestMessage>
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0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString"
0233	value="\$UNIQUE_IDENTIFIER_0"/>
0234	<SymmetricKey>
0235	<KeyBlock>
0236	<KeyFormatType type="Enumeration" value="Raw"/>
0237	<KeyValue>
0238	<KeyMaterial type="ByteString"
0239	value="1778963e51b52027aaa0"/>
0240	</KeyValue>
0241	<CryptographicAlgorithm type="Enumeration"
0242	value="SKIPJACK"/>
0243	<CryptographicLength type="Integer" value="80"/>
0244	</KeyBlock>
0245	</SymmetricKey>
	</ResponsePayload>
	</BatchItem>
	</ResponseMessage>
0246	# TIME 6
0247	<RequestMessage>
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0255	<BatchItem>
0256	<Operation type="Enumeration" value="Revoke"/>
0257	<RequestPayload>
0258	<UniqueIdentifier type="TextString"
0259	value="\$UNIQUE_IDENTIFIER_0"/>
0260	<RevocationReason>
0261	<RevocationReasonCode type="Enumeration"
0262	value="KeyCompromise"/>
0263	</RevocationReason>
0264	<CompromiseOccurrenceDate type="DateTime" value="1970-01-01T00:00:06+00:00"/>
	</RequestPayload>
	</BatchItem>
	</RequestMessage>

0265	<ResponseMessage>
0266	<ResponseHeader>
0267	<ProtocolVersion>
0268	<ProtocolVersionMajor type="Integer" value="1"/>
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0272	<BatchCount type="Integer" value="1"/>
0273	</ResponseHeader>
0274	<BatchItem>
0275	<Operation type="Enumeration" value="Revoke"/>
0276	<ResultStatus type="Enumeration" value="Success"/>
0277	<ResponsePayload>
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0279	</ResponsePayload>
0280	</BatchItem>
0281	</ResponseMessage>
# TIME 7	
0282	<RequestMessage>
0283	<RequestHeader>
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0287	</ProtocolVersion>
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0289	</RequestHeader>
0290	<BatchItem>
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0292	<RequestPayload>
0293	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>
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0298	<ResponseMessage>
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0305	<BatchCount type="Integer" value="1"/>
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0307	<BatchItem>
0308	<Operation type="Enumeration" value="GetAttributes"/>
0309	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
0317	</BatchItem>
0318	</ResponseMessage>

	# TIME 8
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0320	<RequestHeader>
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0327	<BatchItem>
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0329	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0331	</RequestPayload>
0332	</BatchItem>
0333	</RequestMessage>
0334	<ResponseMessage>
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0341	<BatchCount type="Integer" value="1"/>
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0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
0346	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic
	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Original Creation
	Date"/>
0363	<AttributeName type="TextString" value="Revocation Reason"/>
0364	<AttributeName type="TextString" value="State"/>
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0366	</BatchItem>
0367	</ResponseMessage>
	# TIME 9

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	value="\$UNIQUE_IDENTIFIER_0"/>
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0381	</RequestPayload>
0382	</BatchItem>
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0391	<BatchCount type="Integer" value="1"/>
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0394	<Operation type="Enumeration" value="GetAttributes"/>
0395	<ResultStatus type="Enumeration" value="Success"/>
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0415	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0418	<Attribute>
0419	<AttributeName type="TextString" value="x-attribute1"/>
0420	<AttributeValue type="TextString" value="Value1"/>
0421	</Attribute>

0422	</RequestPayload>
0423	</BatchItem>
0424	<BatchItem>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0430	<AttributeName type="TextString" value="x-attribute2"/>
0431	<AttributeValue type="TextString" value="Value2"/>
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0433	</RequestPayload>
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0435	</RequestMessage>
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0443	<BatchCount type="Integer" value="2"/>
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0448	<ResultStatus type="Enumeration" value="Success"/>
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0452	<AttributeName type="TextString" value="x-attribute1"/>
0453	<AttributeValue type="TextString" value="Value1"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0463	<Attribute>
0464	<AttributeName type="TextString" value="x-attribute2"/>
0465	<AttributeValue type="TextString" value="Value2"/>
0466	</Attribute>
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0469	</ResponseMessage>
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0480	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0481	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0483	<Attribute>
0484	<AttributeName type="TextString" value="x-attribute1"/>
0485	<AttributeValue type="TextString" value="ModifiedValue1"/>
0486	</Attribute>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0494	<Attribute>
0495	<AttributeName type="TextString" value="x-attribute2"/>
0496	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0498	</RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0517	<AttributeName type="TextString" value="x-attribute1"/>
0518	<AttributeValue type="TextString" value="ModifiedValue1"/>
0519	</Attribute>
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0525	<ResultStatus type="Enumeration" value="Success"/>
0526	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0528	<Attribute>
0529	<AttributeName type="TextString" value="x-attribute2"/>

0530	<AttributeValue type="TextString" value="ModifiedValue2"/>
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0532	</ResponsePayload>
0533	</BatchItem>
0534	</ResponseMessage>
# TIME 12	
0535	<RequestMessage>
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0537	<ProtocolVersion>
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0545	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0546	<RequestPayload>
0547	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0548	<AttributeName type="TextString" value="x-attribute1"/>
0549	</RequestPayload>
0550	</BatchItem>
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0554	<RequestPayload>
0555	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0556	<AttributeName type="TextString" value="x-attribute2"/>
0557	</RequestPayload>
0558	</BatchItem>
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0560	<ResponseMessage>
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0572	<ResultStatus type="Enumeration" value="Success"/>
0573	<ResponsePayload>
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0577	<AttributeValue type="TextString" value="ModifiedValue1"/>
0578	</Attribute>
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0581	<BatchItem>
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0584	<ResultStatus type="Enumeration" value="Success"/>
0585	<ResponsePayload>
0586	<UniqueIdentifier type="TextString"
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0588	<AttributeName type="TextString" value="x-attribute2"/>
0589	<AttributeValue type="TextString" value="ModifiedValue2"/>
0590	</Attribute>
0591	</ResponsePayload>
0592	</BatchItem>
0593	</ResponseMessage>
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0594	<RequestMessage>
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0599	</ProtocolVersion>
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0601	</RequestHeader>
0602	<BatchItem>
0603	<Operation type="Enumeration" value="Get"/>
0604	<RequestPayload>
0605	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0606	</RequestPayload>
0607	</BatchItem>
0608	</RequestMessage>
0609	<ResponseMessage>
0610	<ResponseHeader>
0611	<ProtocolVersion>
0612	<ProtocolVersionMajor type="Integer" value="1"/>
0613	<ProtocolVersionMinor type="Integer" value="2"/>
0614	</ProtocolVersion>
0615	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0616	<BatchCount type="Integer" value="1"/>
0617	</ResponseHeader>
0618	<BatchItem>
0619	<Operation type="Enumeration" value="Get"/>
0620	<ResultStatus type="Enumeration" value="Success"/>
0621	<ResponsePayload>
0622	<ObjectType type="Enumeration" value="SymmetricKey"/>
0623	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0624	<SymmetricKey>
0625	<KeyBlock>
0626	<KeyFormatType type="Enumeration" value="Raw"/>
0627	<KeyValue>
0628	<KeyMaterial type="ByteString"
	value="1778963e51b52027aaa0"/>
0629	</KeyValue>
0630	<CryptographicAlgorithm type="Enumeration"
	value="SKIPJACK"/>
0631	<CryptographicLength type="Integer" value="80"/>
0632	</KeyBlock>
0633	</SymmetricKey>
0634	</ResponsePayload>
0635	</BatchItem>

0636	</ResponseMessage>
	# TIME 14
0637	<RequestMessage>
0638	<RequestHeader>
0639	<ProtocolVersion>
0640	<ProtocolVersionMajor type="Integer" value="1"/>
0641	<ProtocolVersionMinor type="Integer" value="2"/>
0642	</ProtocolVersion>
0643	<BatchCount type="Integer" value="1"/>
0644	</RequestHeader>
0645	<BatchItem>
0646	<Operation type="Enumeration" value="Destroy"/>
0647	<RequestPayload>
0648	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0649	</RequestPayload>
0650	</BatchItem>
0651	</RequestMessage>
0652	<ResponseMessage>
0653	<ResponseHeader>
0654	<ProtocolVersion>
0655	<ProtocolVersionMajor type="Integer" value="1"/>
0656	<ProtocolVersionMinor type="Integer" value="2"/>
0657	</ProtocolVersion>
0658	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0659	<BatchCount type="Integer" value="1"/>
0660	</ResponseHeader>
0661	<BatchItem>
0662	<Operation type="Enumeration" value="Destroy"/>
0663	<ResultStatus type="Enumeration" value="Success"/>
0664	<ResponsePayload>
0665	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0666	</ResponsePayload>
0667	</BatchItem>
0668	</ResponseMessage>

287

288 3.6.4 SKFF-O-4-12

289 Create, Destroy DES3-112

	# TIME 0
0001	<RequestMessage>
0002	<RequestHeader>
0003	<ProtocolVersion>
0004	<ProtocolVersionMajor type="Integer" value="1"/>
0005	<ProtocolVersionMinor type="Integer" value="2"/>
0006	</ProtocolVersion>
0007	<BatchCount type="Integer" value="1"/>
0008	</RequestHeader>
0009	<BatchItem>
0010	<Operation type="Enumeration" value="Create"/>
0011	<RequestPayload>
0012	<ObjectType type="Enumeration" value="SymmetricKey"/>
0013	<TemplateAttribute>
0014	<Attribute>
0015	<AttributeName type="TextString" value="Cryptographic"

0016	Algorithm"/>
0017	<AttributeValue type="Enumeration" value="DES3"/>
0018	</Attribute>
0019	<Attribute
0020	<AttributeName type="TextString" value="Cryptographic
0021	Length"/>
0022	<AttributeValue type="Integer" value="112"/>
0023	</Attribute>
0024	<Attribute
0025	<AttributeName type="TextString" value="Cryptographic
0026	Usage Mask"/>
0027	<AttributeValue type="Integer" value="Decrypt Encrypt"/>
0028	</Attribute>
0029	</TemplateAttribute>
0030	</RequestPayload>
0031	</BatchItem>
0032	</RequestMessage>
0033	<ResponseMessage>
0034	<ResponseHeader>
0035	<ProtocolVersion>
0036	<ProtocolVersionMajor type="Integer" value="1"/>
0037	<ProtocolVersionMinor type="Integer" value="2"/>
0038	</ProtocolVersion>
0039	<TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0040	<BatchCount type="Integer" value="1"/>
0041	</ResponseHeader>
0042	<BatchItem>
0043	<Operation type="Enumeration" value="Create"/>
0044	<ResultStatus type="Enumeration" value="Success"/>
0045	<ResponsePayload>
0046	<ObjectType type="Enumeration" value="SymmetricKey"/>
0047	<UniqueIdentifier type="TextString"
0048	value="\$UNIQUE_IDENTIFIER_0"/>
0049	</ResponsePayload>
0050	</BatchItem>
0051	</ResponseMessage>
0052	# TIME 1
0053	<RequestMessage>
0054	<RequestHeader>
0055	<ProtocolVersion>
0056	<ProtocolVersionMajor type="Integer" value="1"/>
0057	<ProtocolVersionMinor type="Integer" value="2"/>
0058	</ProtocolVersion>
0059	<BatchCount type="Integer" value="1"/>
0060	</RequestHeader>
0061	<BatchItem>
0062	<Operation type="Enumeration" value="Destroy"/>
0063	<RequestPayload>
0064	<UniqueIdentifier type="TextString"
0065	value="\$UNIQUE_IDENTIFIER_0"/>
0066	</RequestPayload>
0067	</BatchItem>
0068	</RequestMessage>
0069	<ResponseMessage>
0070	<ResponseHeader>
0071	<ProtocolVersion>
0072	<ProtocolVersionMajor type="Integer" value="1"/>
0073	<ProtocolVersionMinor type="Integer" value="2"/>

```

0068     </ProtocolVersion>
0069     <TimeStamp type="DateTime" value="2012-04-27T08:12:21+00:00"/>
0070     <BatchCount type="Integer" value="1"/>
0071 </ResponseHeader>
0072 <BatchItem>
0073     <Operation type="Enumeration" value="Destroy"/>
0074     <ResultStatus type="Enumeration" value="Success"/>
0075     <ResponsePayload>
0076         <UniqueIdentifier type="TextString"
value="$UNIQUE_IDENTIFIER_0"/>
0077     </ResponsePayload>
0078 </BatchItem>
0079 </ResponseMessage>

```

290

291 3.6.5 SKFF-O-5-12

292 Create, Locate, Get, Destroy, Locate DES3-112

```

# TIME 0
0001 <RequestMessage>
0002 <RequestHeader>
0003     <ProtocolVersion>
0004         <ProtocolVersionMajor type="Integer" value="1"/>
0005         <ProtocolVersionMinor type="Integer" value="2"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008 </RequestHeader>
0009 <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012         <ObjectType type="Enumeration" value="SymmetricKey"/>
0013         <TemplateAttribute>
0014             <Attribute>
0015                 <AttributeName type="TextString" value="Name"/>
0016                 <AttributeValue>
0017                     <NameValue type="TextString" value="SKFF-O-5-12"/>
0018                     <NameType type="Enumeration"
value="UninterpretedTextString"/>
0019                 </AttributeValue>
0020             </Attribute>
0021             <Attribute>
0022                 <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0023                 <AttributeValue type="Enumeration" value="DES3"/>
0024             </Attribute>
0025             <Attribute>
0026                 <AttributeName type="TextString" value="Cryptographic
Length"/>
0027                 <AttributeValue type="Integer" value="112"/>
0028             </Attribute>
0029             <Attribute>
0030                 <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0031                 <AttributeValue type="Integer" value="Decrypt Encrypt"/>
0032             </Attribute>
0033             <Attribute>
0034                 <AttributeName type="TextString" value="Contact

```

0035	Information"/>
0036	<AttributeValue type="TextString" value="Joe"/>
0037	</Attribute>
0038	</TemplateAttribute>
0039	</RequestPayload>
0040	</BatchItem>
0041	</RequestMessage>
0042	<ResponseMessage>
0043	<ResponseHeader>
0044	<ProtocolVersion>
0045	<ProtocolVersionMajor type="Integer" value="1"/>
0046	<ProtocolVersionMinor type="Integer" value="2"/>
0047	</ProtocolVersion>
0048	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0049	<BatchCount type="Integer" value="1"/>
0050	</ResponseHeader>
0051	<BatchItem>
0052	<Operation type="Enumeration" value="Create"/>
0053	<ResultStatus type="Enumeration" value="Success"/>
0054	<ResponsePayload>
0055	<ObjectType type="Enumeration" value="SymmetricKey"/>
0056	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0057	</ResponsePayload>
0058	</BatchItem>
0059	</ResponseMessage>
0060	# TIME 1
0061	<RequestMessage>
0062	<RequestHeader>
0063	<ProtocolVersion>
0064	<ProtocolVersionMajor type="Integer" value="1"/>
0065	<ProtocolVersionMinor type="Integer" value="2"/>
0066	</ProtocolVersion>
0067	<BatchCount type="Integer" value="1"/>
0068	</RequestHeader>
0069	<BatchItem>
0070	<Operation type="Enumeration" value="Locate"/>
0071	<RequestPayload>
0072	<Attribute>
0073	<AttributeName type="TextString" value="Object Type"/>
0074	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0075	</Attribute>
0076	<Attribute>
0077	<AttributeName type="TextString" value="Name"/>
0078	<AttributeValue>
0079	<NameValue type="TextString" value="SKFF-O-5-12"/>
0080	<NameType type="Enumeration" value="UninterpretedTextString"/>
0081	</AttributeValue>
0082	</Attribute>
0083	</RequestPayload>
0084	</BatchItem>
0085	</RequestMessage>
0086	<ResponseMessage>
0087	<ResponseHeader>
0088	<ProtocolVersion>
	<ProtocolVersionMajor type="Integer" value="1"/>
	<ProtocolVersionMinor type="Integer" value="2"/>

0089	</ProtocolVersion>
0090	<TimeStamp type="DateTime" value="2012-04-27T08:12:22+00:00"/>
0091	<BatchCount type="Integer" value="1"/>
0092	</ResponseHeader>
0093	<BatchItem>
0094	<Operation type="Enumeration" value="Locate"/>
0095	<ResultStatus type="Enumeration" value="Success"/>
0096	<ResponsePayload>
0097	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0098	</ResponsePayload>
0099	</BatchItem>
0100	</ResponseMessage>
# TIME 2	
0101	<RequestMessage>
0102	<RequestHeader>
0103	<ProtocolVersion>
0104	<ProtocolVersionMajor type="Integer" value="1"/>
0105	<ProtocolVersionMinor type="Integer" value="2"/>
0106	</ProtocolVersion>
0107	<BatchCount type="Integer" value="1"/>
0108	</RequestHeader>
0109	<BatchItem>
0110	<Operation type="Enumeration" value="Get"/>
0111	<RequestPayload>
0112	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0113	</RequestPayload>
0114	</BatchItem>
0115	</RequestMessage>
0116	<ResponseMessage>
0117	<ResponseHeader>
0118	<ProtocolVersion>
0119	<ProtocolVersionMajor type="Integer" value="1"/>
0120	<ProtocolVersionMinor type="Integer" value="2"/>
0121	</ProtocolVersion>
0122	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0123	<BatchCount type="Integer" value="1"/>
0124	</ResponseHeader>
0125	<BatchItem>
0126	<Operation type="Enumeration" value="Get"/>
0127	<ResultStatus type="Enumeration" value="Success"/>
0128	<ResponsePayload>
0129	<ObjectType type="Enumeration" value="SymmetricKey"/>
0130	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0131	<SymmetricKey>
0132	<KeyBlock>
0133	<KeyFormatType type="Enumeration" value="Raw"/>
0134	<KeyValue>
0135	<KeyMaterial type="ByteString"
	value="370edc5897b0e957686ebad5c140a40e"/>
0136	</KeyValue>
0137	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0138	<CryptographicLength type="Integer" value="112"/>
0139	</KeyBlock>
0140	</SymmetricKey>
0141	</ResponsePayload>

0142	</BatchItem>
0143	</ResponseMessage>
0144	# TIME 3
0145	<RequestMessage>
0146	<RequestHeader>
0147	<ProtocolVersion>
0148	<ProtocolVersionMajor type="Integer" value="1"/>
0149	<ProtocolVersionMinor type="Integer" value="2"/>
0150	</ProtocolVersion>
0151	<BatchCount type="Integer" value="1"/>
0152	</RequestHeader>
0153	<BatchItem>
0154	<Operation type="Enumeration" value="Destroy"/>
0155	<RequestPayload>
0156	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0157	</RequestPayload>
0158	</BatchItem>
0159	</RequestMessage>
0160	<ResponseMessage>
0161	<ResponseHeader>
0162	<ProtocolVersion>
0163	<ProtocolVersionMajor type="Integer" value="1"/>
0164	<ProtocolVersionMinor type="Integer" value="2"/>
0165	</ProtocolVersion>
0166	<TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0167	<BatchCount type="Integer" value="1"/>
0168	</ResponseHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Destroy"/>
0171	<ResultStatus type="Enumeration" value="Success"/>
0172	<ResponsePayload>
0173	<UniqueIdentifier type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0174	</ResponsePayload>
0175	</BatchItem>
0176	</ResponseMessage>
0177	# TIME 4
0178	<RequestMessage>
0179	<RequestHeader>
0180	<ProtocolVersion>
0181	<ProtocolVersionMajor type="Integer" value="1"/>
0182	<ProtocolVersionMinor type="Integer" value="2"/>
0183	</ProtocolVersion>
0184	<BatchCount type="Integer" value="1"/>
0185	</RequestHeader>
0186	<BatchItem>
0187	<Operation type="Enumeration" value="Locate"/>
0188	<RequestPayload>
0189	<Attribute>
0190	<AttributeName type="TextString" value="Unique Identifier"/>
0191	<AttributeValue type="TextString" value="\$UNIQUE_IDENTIFIER_0"/>
0192	</Attribute>
0193	</RequestPayload>
0194	</BatchItem>
0195	</RequestMessage>
0196	<ResponseMessage>

```

0195 <ResponseHeader>
0196   <ProtocolVersion>
0197     <ProtocolVersionMajor type="Integer" value="1"/>
0198     <ProtocolVersionMinor type="Integer" value="2"/>
0199   </ProtocolVersion>
0200   <TimeStamp type="DateTime" value="2012-04-27T08:12:23+00:00"/>
0201   <BatchCount type="Integer" value="1"/>
0202 </ResponseHeader>
0203 <BatchItem>
0204   <Operation type="Enumeration" value="Locate"/>
0205   <ResultStatus type="Enumeration" value="Success"/>
0206   <ResponsePayload>
0207   </ResponsePayload>
0208 </BatchItem>
0209 </ResponseMessage>

```

293

294 3.6.6 SKFF-O-6-12

295 Create, Get, Activate, Revoke, Locate, Add/Mod/Del Attributes, Destroy DES3-112

```

# TIME 0
0001 <RequestMessage>
0002   <RequestHeader>
0003     <ProtocolVersion>
0004       <ProtocolVersionMajor type="Integer" value="1"/>
0005       <ProtocolVersionMinor type="Integer" value="2"/>
0006     </ProtocolVersion>
0007     <BatchCount type="Integer" value="1"/>
0008   </RequestHeader>
0009   <BatchItem>
0010     <Operation type="Enumeration" value="Create"/>
0011     <RequestPayload>
0012       <ObjectType type="Enumeration" value="SymmetricKey"/>
0013       <TemplateAttribute>
0014         <Attribute>
0015           <AttributeName type="TextString" value="Cryptographic
Algorithm"/>
0016           <AttributeValue type="Enumeration" value="DES3"/>
0017         </Attribute>
0018         <Attribute>
0019           <AttributeName type="TextString" value="Cryptographic
Length"/>
0020           <AttributeValue type="Integer" value="112"/>
0021         </Attribute>
0022         <Attribute>
0023           <AttributeName type="TextString" value="Name"/>
0024           <AttributeValue>
0025             <NameValue type="TextString" value="SKFF-O-6-12"/>
0026             <NameType type="Enumeration"
value="UninterpretedTextString"/>
0027           </AttributeValue>
0028         </Attribute>
0029         <Attribute>
0030           <AttributeName type="TextString" value="Cryptographic
Usage Mask"/>
0031           <AttributeValue type="Integer" value="Encrypt"/>
0032         </Attribute>

```

0033	</TemplateAttribute>
0034	</RequestPayload>
0035	</BatchItem>
0036	</RequestMessage>
0037	<ResponseMessage>
0038	<ResponseHeader>
0039	<ProtocolVersion>
0040	<ProtocolVersionMajor type="Integer" value="1"/>
0041	<ProtocolVersionMinor type="Integer" value="2"/>
0042	</ProtocolVersion>
0043	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0044	<BatchCount type="Integer" value="1"/>
0045	</ResponseHeader>
0046	<BatchItem>
0047	<Operation type="Enumeration" value="Create"/>
0048	<ResultStatus type="Enumeration" value="Success"/>
0049	<ResponsePayload>
0050	<ObjectType type="Enumeration" value="SymmetricKey"/>
0051	<UniqueIdentifier type="TextString"
0052	value="\$UNIQUE_IDENTIFIER_0"/>
0053	</ResponsePayload>
0054	</BatchItem>
0055	</ResponseMessage>
0056	# TIME 1
0057	<RequestMessage>
0058	<RequestHeader>
0059	<ProtocolVersion>
0060	<ProtocolVersionMajor type="Integer" value="1"/>
0061	<ProtocolVersionMinor type="Integer" value="2"/>
0062	</ProtocolVersion>
0063	<BatchCount type="Integer" value="1"/>
0064	</BatchCount>
0065	<BatchItem>
0066	<Operation type="Enumeration" value="GetAttributes"/>
0067	<RequestPayload>
0068	<UniqueIdentifier type="TextString"
0069	value="\$UNIQUE_IDENTIFIER_0"/>
0070	<AttributeName type="TextString" value="State"/>
0071	</RequestPayload>
0072	</BatchItem>
0073	</RequestMessage>
0074	<ResponseMessage>
0075	<ResponseHeader>
0076	<ProtocolVersion>
0077	<ProtocolVersionMajor type="Integer" value="1"/>
0078	<ProtocolVersionMinor type="Integer" value="2"/>
0079	</ProtocolVersion>
0080	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0081	<BatchCount type="Integer" value="1"/>
0082	</BatchCount>
0083	<BatchItem>
0084	<Operation type="Enumeration" value="GetAttributes"/>
0085	<ResultStatus type="Enumeration" value="Success"/>
0086	<ResponsePayload>
0087	<UniqueIdentifier type="TextString"
0088	value="\$UNIQUE_IDENTIFIER_0"/>
0089	<Attribute>
0090	<AttributeName type="TextString" value="State"/>

0087	<AttributeValue type="Enumeration" value="PreActive"/>
0088	</Attribute>
0089	</ResponsePayload>
0090	</BatchItem>
0091	</ResponseMessage>
0092	# TIME 2
0092	<RequestMessage>
0093	<RequestHeader>
0094	<ProtocolVersion>
0095	<ProtocolVersionMajor type="Integer" value="1"/>
0096	<ProtocolVersionMinor type="Integer" value="2"/>
0097	</ProtocolVersion>
0098	<BatchCount type="Integer" value="1"/>
0099	</RequestHeader>
0100	<BatchItem>
0101	<Operation type="Enumeration" value="Activate"/>
0102	<RequestPayload>
0103	<UniqueIdentifier type="TextString"
0104	value="\$UNIQUE_IDENTIFIER_0"/>
0105	</RequestPayload>
0106	</BatchItem>
0107	</RequestMessage>
0107	<ResponseMessage>
0108	<ResponseHeader>
0109	<ProtocolVersion>
0110	<ProtocolVersionMajor type="Integer" value="1"/>
0111	<ProtocolVersionMinor type="Integer" value="2"/>
0112	</ProtocolVersion>
0113	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0114	<BatchCount type="Integer" value="1"/>
0115	</ResponseHeader>
0116	<BatchItem>
0117	<Operation type="Enumeration" value="Activate"/>
0118	<ResultStatus type="Enumeration" value="Success"/>
0119	<ResponsePayload>
0120	<UniqueIdentifier type="TextString"
0121	value="\$UNIQUE_IDENTIFIER_0"/>
0122	</ResponsePayload>
0123	</BatchItem>
0124	</ResponseMessage>
0124	# TIME 3
0124	<RequestMessage>
0125	<RequestHeader>
0126	<ProtocolVersion>
0127	<ProtocolVersionMajor type="Integer" value="1"/>
0128	<ProtocolVersionMinor type="Integer" value="2"/>
0129	</ProtocolVersion>
0130	<BatchCount type="Integer" value="1"/>
0131	</RequestHeader>
0132	<BatchItem>
0133	<Operation type="Enumeration" value="GetAttributes"/>
0134	<RequestPayload>
0135	<UniqueIdentifier type="TextString"
0136	value="\$UNIQUE_IDENTIFIER_0"/>
0137	<AttributeName type="TextString" value="State"/>
0138	</RequestPayload>
0139	</BatchItem>
0139	</RequestMessage>

0140	<ResponseMessage>
0141	<ResponseHeader>
0142	<ProtocolVersion>
0143	<ProtocolVersionMajor type="Integer" value="1"/>
0144	<ProtocolVersionMinor type="Integer" value="2"/>
0145	</ProtocolVersion>
0146	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0147	<BatchCount type="Integer" value="1"/>
0148	</ResponseHeader>
0149	<BatchItem>
0150	<Operation type="Enumeration" value="GetAttributes"/>
0151	<ResultStatus type="Enumeration" value="Success"/>
0152	<ResponsePayload>
0153	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0154	<Attribute>
0155	<AttributeName type="TextString" value="State"/>
0156	<AttributeValue type="Enumeration" value="Active"/>
0157	</Attribute>
0158	</ResponsePayload>
0159	</BatchItem>
0160	</ResponseMessage>
# TIME 4	
0161	<RequestMessage>
0162	<RequestHeader>
0163	<ProtocolVersion>
0164	<ProtocolVersionMajor type="Integer" value="1"/>
0165	<ProtocolVersionMinor type="Integer" value="2"/>
0166	</ProtocolVersion>
0167	<BatchCount type="Integer" value="1"/>
0168	</RequestHeader>
0169	<BatchItem>
0170	<Operation type="Enumeration" value="Locate"/>
0171	<RequestPayload>
0172	<Attribute>
0173	<AttributeName type="TextString" value="Object Type"/>
0174	<AttributeValue type="Enumeration" value="SymmetricKey"/>
0175	</Attribute>
0176	<Attribute>
0177	<AttributeName type="TextString" value="Name"/>
0178	<AttributeValue>
0179	<NameValue type="TextString" value="SKFF-O-6-12"/>
0180	<NameType type="Enumeration"
	value="UninterpretedTextString"/>
0181	</AttributeValue>
0182	</Attribute>
0183	</RequestPayload>
0184	</BatchItem>
0185	</RequestMessage>
0186	<ResponseMessage>
0187	<ResponseHeader>
0188	<ProtocolVersion>
0189	<ProtocolVersionMajor type="Integer" value="1"/>
0190	<ProtocolVersionMinor type="Integer" value="2"/>
0191	</ProtocolVersion>
0192	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0193	<BatchCount type="Integer" value="1"/>
0194	</ResponseHeader>

0195	<BatchItem>
0196	<Operation type="Enumeration" value="Locate"/>
0197	<ResultStatus type="Enumeration" value="Success"/>
0198	<ResponsePayload>
0199	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0200	</ResponsePayload>
0201	</BatchItem>
0202	</ResponseMessage>
# TIME 5	
0203	<RequestMessage>
0204	<RequestHeader>
0205	<ProtocolVersion>
0206	<ProtocolVersionMajor type="Integer" value="1"/>
0207	<ProtocolVersionMinor type="Integer" value="2"/>
0208	</ProtocolVersion>
0209	<BatchCount type="Integer" value="1"/>
0210	</RequestHeader>
0211	<BatchItem>
0212	<Operation type="Enumeration" value="Get"/>
0213	<RequestPayload>
0214	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0215	</RequestPayload>
0216	</BatchItem>
0217	</RequestMessage>
0218	<ResponseMessage>
0219	<ResponseHeader>
0220	<ProtocolVersion>
0221	<ProtocolVersionMajor type="Integer" value="1"/>
0222	<ProtocolVersionMinor type="Integer" value="2"/>
0223	</ProtocolVersion>
0224	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0225	<BatchCount type="Integer" value="1"/>
0226	</ResponseHeader>
0227	<BatchItem>
0228	<Operation type="Enumeration" value="Get"/>
0229	<ResultStatus type="Enumeration" value="Success"/>
0230	<ResponsePayload>
0231	<ObjectType type="Enumeration" value="SymmetricKey"/>
0232	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0233	<SymmetricKey>
0234	<KeyBlock>
0235	<KeyFormatType type="Enumeration" value="Raw"/>
0236	<KeyValue>
0237	<KeyMaterial type="ByteString"
	value="100129b96802a2152aa8d9fb54ec1f83"/>
0238	</KeyValue>
0239	<CryptographicAlgorithm type="Enumeration" value="DES3"/>
0240	<CryptographicLength type="Integer" value="112"/>
0241	</KeyBlock>
0242	</SymmetricKey>
0243	</ResponsePayload>
0244	</BatchItem>
0245	</ResponseMessage>
# TIME 6	
0246	<RequestMessage>

0247	<RequestHeader>
0248	<ProtocolVersion>
0249	<ProtocolVersionMajor type="Integer" value="1"/>
0250	<ProtocolVersionMinor type="Integer" value="2"/>
0251	</ProtocolVersion>
0252	<BatchCount type="Integer" value="1"/>
0253	</RequestHeader>
0254	<BatchItem>
0255	<Operation type="Enumeration" value="Revoke"/>
0256	<RequestPayload>
0257	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0258	<RevocationReason>
0259	<RevocationReasonCode type="Enumeration"
	value="KeyCompromise"/>
0260	</RevocationReason>
0261	<CompromiseOccurrenceDate type="DateTime" value="1970-01-
	01T00:00:06+00:00"/>
0262	</RequestPayload>
0263	</BatchItem>
0264	</RequestMessage>
0265	<ResponseMessage>
0266	<ResponseHeader>
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0276	<ResultStatus type="Enumeration" value="Success"/>
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	# TIME 7
0282	<RequestMessage>
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0289	</RequestHeader>
0290	<BatchItem>
0291	<Operation type="Enumeration" value="GetAttributes"/>
0292	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0294	<AttributeName type="TextString" value="State"/>
0295	</RequestPayload>
0296	</BatchItem>
0297	</RequestMessage>
0298	<ResponseMessage>

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0307	<BatchItem>
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0309	<ResultStatus type="Enumeration" value="Success"/>
0310	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0312	<Attribute>
0313	<AttributeName type="TextString" value="State"/>
0314	<AttributeValue type="Enumeration" value="Compromised"/>
0315	</Attribute>
0316	</ResponsePayload>
0317	</BatchItem>
0318	</ResponseMessage>
# TIME 8	
0319	<RequestMessage>
0320	<RequestHeader>
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0329	<RequestPayload>
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0341	<BatchCount type="Integer" value="1"/>
0342	</ResponseHeader>
0343	<BatchItem>
0344	<Operation type="Enumeration" value="GetAttributeList"/>
0345	<ResultStatus type="Enumeration" value="Success"/>
0346	<ResponsePayload>
0347	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0348	<AttributeName type="TextString" value="Unique Identifier"/>
0349	<AttributeName type="TextString" value="Object Type"/>
0350	<AttributeName type="TextString" value="Cryptographic
	Algorithm"/>
0351	<AttributeName type="TextString" value="Cryptographic

0352	Length"/>
0352	<AttributeName type="TextString" value="Activation Date"/>
0353	<AttributeName type="TextString" value="Compromise Date"/>
0354	<AttributeName type="TextString" value="Compromise Occurrence
0355	Date"/>
0355	<AttributeName type="TextString" value="Cryptographic Usage
0356	Mask"/>
0356	<AttributeName type="TextString" value="Digest"/>
0357	<AttributeName type="TextString" value="Fresh"/>
0358	<AttributeName type="TextString" value="Initial Date"/>
0359	<AttributeName type="TextString" value="Last Change Date"/>
0360	<AttributeName type="TextString" value="Lease Time"/>
0361	<AttributeName type="TextString" value="Name"/>
0362	<AttributeName type="TextString" value="Original Creation
0363	Date"/>
0363	<AttributeName type="TextString" value="Revocation Reason"/>
0364	<AttributeName type="TextString" value="State"/>
0365	</ResponsePayload>
0366	</BatchItem>
0367	</ResponseMessage>
# TIME 9	
0368	<RequestMessage>
0369	<RequestHeader>
0370	<ProtocolVersion>
0371	<ProtocolVersionMajor type="Integer" value="1"/>
0372	<ProtocolVersionMinor type="Integer" value="2"/>
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0374	<BatchCount type="Integer" value="1"/>
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0376	<BatchItem>
0377	<Operation type="Enumeration" value="GetAttributes"/>
0378	<RequestPayload>
0379	<UniqueIdentifier type="TextString"
0380	value="\$UNIQUE_IDENTIFIER_0"/>
0381	<AttributeName type="TextString" value="State"/>
0382	</RequestPayload>
0383	</BatchItem>
0384	</RequestMessage>
0384	<ResponseMessage>
0385	<ResponseHeader>
0386	<ProtocolVersion>
0387	<ProtocolVersionMajor type="Integer" value="1"/>
0388	<ProtocolVersionMinor type="Integer" value="2"/>
0389	</ProtocolVersion>
0390	<TimeStamp type="DateTime" value="2012-04-27T08:12:24+00:00"/>
0391	<BatchCount type="Integer" value="1"/>
0392	</ResponseHeader>
0393	<BatchItem>
0394	<Operation type="Enumeration" value="GetAttributes"/>
0395	<ResultStatus type="Enumeration" value="Success"/>
0396	<ResponsePayload>
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0398	value="\$UNIQUE_IDENTIFIER_0"/>
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0401	<AttributeValue type="Enumeration" value="Compromised"/>
0402	</Attribute>
0402	</ResponsePayload>

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0404	</ResponseMessage>
0405	# TIME 10
0406	<RequestMessage>
0407	<RequestHeader>
0408	<ProtocolVersion>
0409	<ProtocolVersionMajor type="Integer" value="1"/>
0410	<ProtocolVersionMinor type="Integer" value="2"/>
0411	</ProtocolVersion>
0412	<BatchCount type="Integer" value="2"/>
0413	</RequestHeader>
0414	<BatchItem>
0415	<Operation type="Enumeration" value="AddAttribute"/>
0416	<UniqueBatchItemID type="ByteString" value="23a177faa569463c"/>
0417	<RequestPayload>
0418	<UniqueIdentifier type="TextString"
0419	value="\$UNIQUE_IDENTIFIER_0"/>
0420	<Attribute>
0421	<AttributeName type="TextString" value="x-attribute1"/>
0422	<AttributeValue type="TextString" value="Value1"/>
0423	</Attribute>
0424	</RequestPayload>
0425	</BatchItem>
0426	<BatchItem>
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0428	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
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0431	value="\$UNIQUE_IDENTIFIER_0"/>
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0447	</ResponseHeader>
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0451	<ResultStatus type="Enumeration" value="Success"/>
0452	<ResponsePayload>
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	<AttributeValue type="TextString" value="Value1"/>
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0457	<BatchItem>
0458	<Operation type="Enumeration" value="AddAttribute"/>
0459	<UniqueBatchItemID type="ByteString" value="9b898dc0577f8080"/>
0460	<ResultStatus type="Enumeration" value="Success"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0464	<AttributeName type="TextString" value="x-attribute2"/>
0465	<AttributeValue type="TextString" value="Value2"/>
0466	</Attribute>
0467	</ResponsePayload>
0468	</BatchItem>
0469	</ResponseMessage>
	# TIME 11
0470	<RequestMessage>
0471	<RequestHeader>
0472	<ProtocolVersion>
0473	<ProtocolVersionMajor type="Integer" value="1"/>
0474	<ProtocolVersionMinor type="Integer" value="2"/>
0475	</ProtocolVersion>
0476	<BatchCount type="Integer" value="2"/>
0477	</RequestHeader>
0478	<BatchItem>
0479	<Operation type="Enumeration" value="ModifyAttribute"/>
0480	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0481	<RequestPayload>
0482	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0483	<Attribute>
0484	<AttributeName type="TextString" value="x-attribute1"/>
0485	<AttributeValue type="TextString" value="ModifiedValue1"/>
0486	</Attribute>
0487	</RequestPayload>
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0491	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0492	<RequestPayload>
0493	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0494	<Attribute>
0495	<AttributeName type="TextString" value="x-attribute2"/>
0496	<AttributeValue type="TextString" value="ModifiedValue2"/>
0497	</Attribute>
0498	</RequestPayload>
0499	</BatchItem>
0500	</RequestMessage>
0501	<ResponseMessage>
0502	<ResponseHeader>
0503	<ProtocolVersion>
0504	<ProtocolVersionMajor type="Integer" value="1"/>
0505	<ProtocolVersionMinor type="Integer" value="2"/>
0506	</ProtocolVersion>
0507	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0508	<BatchCount type="Integer" value="2"/>
0509	</ResponseHeader>
0510	<BatchItem>

0511	<Operation type="Enumeration" value="ModifyAttribute"/>
0512	<UniqueBatchItemID type="ByteString" value="0752c951bb9926cc"/>
0513	<ResultStatus type="Enumeration" value="Success"/>
0514	<ResponsePayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0516	<Attribute>
0517	<AttributeName type="TextString" value="x-attribute1"/>
0518	<AttributeValue type="TextString" value="ModifiedValue1"/>
0519	</Attribute>
0520	</ResponsePayload>
0521	</BatchItem>
0522	<BatchItem>
0523	<Operation type="Enumeration" value="ModifyAttribute"/>
0524	<UniqueBatchItemID type="ByteString" value="33f55c8d7e6cafbf"/>
0525	<ResultStatus type="Enumeration" value="Success"/>
0526	<ResponsePayload>
0527	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0528	<Attribute>
0529	<AttributeName type="TextString" value="x-attribute2"/>
0530	<AttributeValue type="TextString" value="ModifiedValue2"/>
0531	</Attribute>
0532	</ResponsePayload>
0533	</BatchItem>
0534	</ResponseMessage>
	# TIME 12
0535	<RequestMessage>
0536	<RequestHeader>
0537	<ProtocolVersion>
0538	<ProtocolVersionMajor type="Integer" value="1"/>
0539	<ProtocolVersionMinor type="Integer" value="2"/>
0540	</ProtocolVersion>
0541	<BatchCount type="Integer" value="2"/>
0542	</RequestHeader>
0543	<BatchItem>
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0545	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
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	value="\$UNIQUE_IDENTIFIER_0"/>
0548	<AttributeName type="TextString" value="x-attribute1"/>
0549	</RequestPayload>
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0553	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
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0555	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
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0557	</RequestPayload>
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0560	<ResponseMessage>
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0562	<ProtocolVersion>
0563	<ProtocolVersionMajor type="Integer" value="1"/>

0564	<ProtocolVersionMinor type="Integer" value="2"/>
0565	</ProtocolVersion>
0566	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0567	<BatchCount type="Integer" value="2"/>
0568	</ResponseHeader>
0569	<BatchItem>
0570	<Operation type="Enumeration" value="DeleteAttribute"/>
0571	<UniqueBatchItemID type="ByteString" value="a3eb249b495e8ad2"/>
0572	<ResultStatus type="Enumeration" value="Success"/>
0573	<ResponsePayload>
0574	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0575	<Attribute>
0576	<AttributeName type="TextString" value="x-attribute1"/>
0577	<AttributeValue type="TextString" value="ModifiedValue1"/>
0578	</Attribute>
0579	</ResponsePayload>
0580	</BatchItem>
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0582	<Operation type="Enumeration" value="DeleteAttribute"/>
0583	<UniqueBatchItemID type="ByteString" value="c1fe7b3b4c977730"/>
0584	<ResultStatus type="Enumeration" value="Success"/>
0585	<ResponsePayload>
0586	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
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0588	<AttributeName type="TextString" value="x-attribute2"/>
0589	<AttributeValue type="TextString" value="ModifiedValue2"/>
0590	</Attribute>
0591	</ResponsePayload>
0592	</BatchItem>
0593	</ResponseMessage>
	# TIME 13
0594	<RequestMessage>
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0598	<ProtocolVersionMinor type="Integer" value="2"/>
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0604	<RequestPayload>
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	value="\$UNIQUE_IDENTIFIER_0"/>
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0616	<BatchCount type="Integer" value="1"/>
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0627	<KeyValue>
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0629	</KeyValue>
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0631	<CryptographicLength type="Integer" value="112"/>
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0635	</BatchItem>
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0637	<RequestMessage>
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0641	<ProtocolVersionMinor type="Integer" value="2"/>
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0645	<BatchItem>
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0647	<RequestPayload>
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0649	</RequestPayload>
0650	</BatchItem>
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0652	<ResponseMessage>
0653	<ResponseHeader>
0654	<ProtocolVersion>
0655	<ProtocolVersionMajor type="Integer" value="1"/>
0656	<ProtocolVersionMinor type="Integer" value="2"/>
0657	</ProtocolVersion>
0658	<TimeStamp type="DateTime" value="2012-04-27T08:12:25+00:00"/>
0659	<BatchCount type="Integer" value="1"/>
0660	</ResponseHeader>
0661	<BatchItem>
0662	<Operation type="Enumeration" value="Destroy"/>
0663	<ResultStatus type="Enumeration" value="Success"/>
0664	<ResponsePayload>
0665	<UniqueIdentifier type="TextString"
	value="\$UNIQUE_IDENTIFIER_0"/>
0666	</ResponsePayload>
0667	</BatchItem>
0668	</ResponseMessage>

4 Conformance

4.1 Conformance Statement

KMIP client and server implementations conformant to this profile:

1. Shall support the Authentication Suite conditions (2.1) and;
2. Shall support the Baseline conditions (2.2) and;
3. Shall support all Mandatory Test Cases (3.1, **Error! Reference source not found.** and 3.3), for each supported protocol version (major and minor), returning results in accordance with the test cases.

4.2 Permitted Test Case Variations

Whilst the test cases provided in this Profile define the allowed request and response content, some inherent variations MAY occur and are permitted within a successfully completed test case.

Each test case MAY include allowed variations in the description of the test case in addition to the variations noted in this section.

Other variations not explicitly noted in this Profile SHALL be deemed non-conformant.

4.2.1 Variable Items

An implementation conformant to this Profile MAY vary the following values:

1. UniqueIdentifier
2. PrivateKeyUniqueIdentifier
3. PublicKeyUniqueIdentifier
4. UniqueBatchItemIdentifier
5. AsynchronousCorrelationValue
6. TimeStamp
7. KeyValue / KeyMaterial including:
 - a. key material content returned for managed cryptographic objects which are generated by the server
 - b. wrapped versions of keys where the wrapping key is dynamic or the wrapping contains variable output for each wrap operation
8. For response containing the output of cryptographic operation in Data / SignatureData/ MACData / IVCounterNonce where:
 - a. the managed object is generated by the server; or
 - b. the operation inherently contains variable output
9. For the following DateTime attributes where the value is not specified in the request as a fixed DateTime value:
 - a. ActivationDate
 - b. ArchiveDate
 - c. CompromiseDate
 - d. CompromiseOccurrenceDate
 - e. DeactivationDate

- 336 f. DestroyDate
- 337 g. InitialDate
- 338 h. LastChangeDate
- 339 i. ProtectStartDate
- 340 j. ProcessStopDate
- 341 k. ValidityDate
- 342 l. OriginalCreationDate
- 343 10. LinkedObjectIdentifier
- 344 11. DigestValue
 - 345 a. For those managed cryptographic objects which are dynamically generated
- 346 12. KeyFormatType
 - 347 a. The key format type selected by the server when it creates managed objects
- 348 13. Digest
 - 349 a. The HashingAlgorithm selected by the server when it calculates the digest for a managed
 - 350 object for which it has access to the key material
 - 351 b. The Digest Value
- 352 14. Extensions reported in Query for ExtensionList and ExtensionMap
- 353 15. Application Namespaces reported in Query
- 354 16. Object Types reported in Query other than those noted as required in this profile
- 355 17. Operation Types reported in Query other than those noted as required in this profile (or any
- 356 referenced profile documents)
- 357 18. For TextString attribute values containing test identifiers:
 - 358 a. Additional vendor or application prefixes
- 359 19. Additional attributes beyond those noted in the response

360

361 An implementation conformant to this Profile MAY allow the following response variations:

- 362 1. Object Group values – May or may not return one or more Object Group values not included in
- 363 the requests
- 364 2. y-CustomAttributes – May or may not include additional server-specific associated attributes not
- 365 included in requests
- 366 3. Message Extensions – May or may not include additional (non-critical) vendor extensions
- 367 4. TemplateAttribute – May or may not be included in responses where the Template Attribute
- 368 response is noted as optional in [KMIP-SPEC]
- 369 5. AttributeIndex – May or may not include Attribute Index value where the Attribute Index value is 0
- 370 for Protocol Versions 1.1 and above.
- 371 6. ResultMessage – May or may not be included in responses and the value (if included) may vary
- 372 from the text contained within the test case.
- 373 7. The list of Protocol Versions returned in a DiscoverVersion response may include additional
- 374 protocol versions if the request has not specified a list of client supported Protocol Versions.
- 375 8. VendorIdentification - The value (if included) may vary from the text contained within the test
- 376 case.

377 4.2.2 Variable behavior

378 An implementation conformant to this Profile SHALL allow variation of the following behavior:

- 379 1. A test may omit the clean-up requests and responses (containing Revoke and/or Destroy) at the
380 end of the test provided there is a separate mechanism to remove the created objects during
381 testing.
- 382 2. A test may omit the test identifiers if the client is unable to include them in requests. This includes
383 the following attributes:
- 384 a. Name; and
- 385 b. x-ID
- 386
- 387

Appendix A. Acknowledgments

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Participants:

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497 Peter Zelechowski, Election Systems & Software

Appendix B. KMIP Specification Cross Reference

Reference Term	KMIP 1.0	KMIP 1.1	KMIP 1.2
1 Introduction			
<i>Non-Normative References</i>	1.3.	1.3.	1.3.
<i>Normative References</i>	1.2.	1.2.	1.2.
<i>Terminology</i>	1.1.	1.1.	1.1.
2 Objects			
<i>Attribute</i>	2.1.1.	2.1.1.	2.1.1.
<i>Base Objects</i>	2.1.	2.1.	2.1.
<i>Certificate</i>	2.2.1.	2.2.1.	2.2.1.
<i>Credential</i>	2.1.2.	2.1.2.	2.1.2.
<i>Data</i>	-	-	2.1.10.
<i>Data Length</i>	-	-	2.1.11.
<i>Extension Information</i>	-	2.1.9.	2.1.9.
<i>Key Block</i>	2.1.3.	2.1.3.	2.1.3.
<i>Key Value</i>	2.1.4.	2.1.4.	2.1.4.
<i>Key Wrapping Data</i>	2.1.5.	2.1.5.	2.1.5.
<i>Key Wrapping Specification</i>	2.1.6.	2.1.6.	2.1.6.
<i>MAC Data</i>	-	-	2.1.13.
<i>Managed Objects</i>	2.2.	2.2.	2.2.
<i>Nonce</i>	-	-	2.1.14.
<i>Opaque Object</i>	2.2.8.	2.2.8.	2.2.8.
<i>PGP Key</i>	-	-	2.2.9.
<i>Private Key</i>	2.2.4.	2.2.4.	2.2.4.
<i>Public Key</i>	2.2.3.	2.2.3.	2.2.3.
<i>Secret Data</i>	2.2.7.	2.2.7.	2.2.7.
<i>Signature Data</i>	-	-	2.1.12.
<i>Split Key</i>	2.2.5.	2.2.5.	2.2.5.
<i>Symmetric Key</i>	2.2.2.	2.2.2.	2.2.2.
<i>Template</i>	2.2.6.	2.2.6.	2.2.6.
<i>Template-Attribute Structures</i>	2.1.8.	2.1.8.	2.1.8.
<i>Transparent DH Private Key</i>	2.1.7.6.	2.1.7.6.	2.1.7.6.
<i>Transparent DH Public Key</i>	2.1.7.7.	2.1.7.7.	2.1.7.7.
<i>Transparent DSA Private Key</i>	2.1.7.2.	2.1.7.2.	2.1.7.2.
<i>Transparent DSA Public Key</i>	2.1.7.3.	2.1.7.3.	2.1.7.3.
<i>Transparent ECDH Private Key</i>	2.1.7.10.	2.1.7.10.	2.1.7.10.
<i>Transparent ECDH Public Key</i>	2.1.7.11.	2.1.7.11.	2.1.7.11.
<i>Transparent ECDSA Private Key</i>	2.1.7.8.	2.1.7.8.	2.1.7.8.
<i>Transparent ECDSA Public Key</i>	2.1.7.9.	2.1.7.9.	2.1.7.9.
<i>Transparent ECMQV Private Key</i>	2.1.7.12.	2.1.7.12.	2.1.7.12.
<i>Transparent ECMQV Public Key</i>	2.1.7.13.	2.1.7.13.	2.1.7.13.
<i>Transparent Key Structures</i>	2.1.7.	2.1.7.	2.1.7.
<i>Transparent RSA Private Key</i>	2.1.7.4.	2.1.7.4.	2.1.7.4.
<i>Transparent RSA Public Key</i>	2.1.7.5.	2.1.7.5.	2.1.7.5.
<i>Transparent Symmetric Key</i>	2.1.7.1.	2.1.7.1.	2.1.7.1.
3 Attributes			
<i>Activation Date</i>	3.19.	3.24.	3.24.
<i>Alternative Name</i>	-	-	3.40.
<i>Application Specific Information</i>	3.30.	3.36.	3.36.
<i>Archive Date</i>	3.27.	3.32.	3.32.

Reference Term	KMIP 1.0	KMIP 1.1	KMIP 1.2
<i>Attributes</i>	3	3	3
<i>Certificate Identifier</i>	3.9.	3.13.	3.13.
<i>Certificate Issuer</i>	3.11.	3.15.	3.15.
<i>Certificate Length</i>	-	3.9.	3.9.
<i>Certificate Subject</i>	3.10.	3.14.	3.14.
<i>Certificate Type</i>	3.8.	3.8.	3.8.
<i>Compromise Date</i>	3.25.	3.30.	3.30.
<i>Compromise Occurrence Date</i>	3.24.	3.29.	3.29.
<i>Contact Information</i>	3.31.	3.37.	3.37.
<i>Cryptographic Algorithm</i>	3.4.	3.4.	3.4.
<i>Cryptographic Domain Parameters</i>	3.7.	3.7.	3.7.
<i>Cryptographic Length</i>	3.5.	3.5.	3.5.
<i>Cryptographic Parameters</i>	3.6.	3.6.	3.6.
<i>Custom Attribute</i>	3.33.	3.39.	3.39.
<i>Deactivation Date</i>	3.22.	3.27.	3.27.
<i>Default Operation Policy</i>	3.13.2.	3.18.2.	3.18.2.
<i>Default Operation Policy for Certificates and Public Key Objects</i>	3.13.2.2.	3.18.2.2.	3.18.2.2.
<i>Default Operation Policy for Secret Objects</i>	3.13.2.1.	3.18.2.1.	3.18.2.1.
<i>Default Operation Policy for Template Objects</i>	3.13.2.3.	3.18.2.3.	3.18.2.3.
<i>Destroy Date</i>	3.23.	3.28.	3.28.
<i>Digest</i>	3.12.	3.17.	3.17.
<i>Digital Signature Algorithm</i>	-	3.16.	3.16.
<i>Fresh</i>	-	3.34.	3.34.
<i>Initial Date</i>	3.18.	3.23.	3.23.
<i>Key Value Location</i>	-	-	3.42.
<i>Key Value Present</i>	-	-	3.41.
<i>Last Change Date</i>	3.32.	3.38.	3.38.
<i>Lease Time</i>	3.15.	3.20.	3.20.
<i>Link</i>	3.29.	3.35.	3.35.
<i>Name</i>	3.2.	3.2.	3.2.
<i>Object Group</i>	3.28.	3.33.	3.33.
<i>Object Type</i>	3.3.	3.3.	3.3.
<i>Operation Policy Name</i>	3.13.	3.18.	3.18.
<i>Operations outside of operation policy control</i>	3.13.1.	3.18.1.	3.18.1.
<i>Original Creation Date</i>	-	-	3.43.
<i>Process Start Date</i>	3.20.	3.25.	3.25.
<i>Protect Stop Date</i>	3.21.	3.26.	3.26.
<i>Revocation Reason</i>	3.26.	3.31.	3.31.
<i>State</i>	3.17.	3.22.	3.22.
<i>Unique Identifier</i>	3.1.	3.1.	3.1.
<i>Usage Limits</i>	3.16.	3.21.	3.21.
<i>X.509 Certificate Identifier</i>	-	3.10.	3.10.
<i>X.509 Certificate Issuer</i>	-	3.12.	3.12.
<i>X.509 Certificate Subject</i>	-	3.11.	3.11.
4 Client-to-Server Operations			
<i>Activate</i>	4.18.	4.19.	4.19.
<i>Add Attribute</i>	4.13.	4.14.	4.14.
<i>Archive</i>	4.21.	4.22.	4.22.
<i>Cancel</i>	4.25.	4.27.	4.27.
<i>Certify</i>	4.6.	4.7.	4.7.
<i>Check</i>	4.9.	4.10.	4.10.
<i>Create</i>	4.1.	4.1.	4.1.
<i>Create Key Pair</i>	4.2.	4.2.	4.2.

Reference Term	KMIP 1.0	KMIP 1.1	KMIP 1.2
<i>Create Split Key</i>	-	-	4.38.
<i>Decrypt</i>	-	-	4.30.
<i>Delete Attribute</i>	4.15.	4.16.	4.16.
<i>Derive Key</i>	4.5.	4.6.	4.6.
<i>Destroy</i>	4.20.	4.21.	4.21.
<i>Discover Versions</i>	-	4.26.	4.26.
<i>Encrypt</i>	-	-	4.29.
<i>Get</i>	4.10.	4.11.	4.11.
<i>Get Attribute List</i>	4.12.	4.13.	4.13.
<i>Get Attributes</i>	4.11.	4.12.	4.12.
<i>Get Usage Allocation</i>	4.17.	4.18.	4.18.
<i>Hash</i>	-	-	4.37.
<i>Join Split Key</i>	-	-	4.39.
<i>Locate</i>	4.8.	4.9.	4.9.
<i>MAC</i>	-	-	4.33.
<i>MAC Verify</i>	-	-	4.34.
<i>Modify Attribute</i>	4.14.	4.15.	4.15.
<i>Obtain Lease</i>	4.16.	4.17.	4.17.
<i>Poll</i>	4.26.	4.28.	4.28.
<i>Query</i>	4.24.	4.25.	4.25.
<i>Re-certify</i>	4.7.	4.8.	4.8.
<i>Recover</i>	4.22.	4.23.	4.23.
<i>Register</i>	4.3.	4.3.	4.3.
<i>Re-key</i>	4.4.	4.4.	4.4.
<i>Re-key Key Pair</i>	-	4.5.	4.5.
<i>Revoke</i>	4.19.	4.20.	4.20.
<i>RNG Retrieve</i>	-	-	4.35.
<i>RNG Seed</i>	-	-	4.36.
<i>Sign</i>	-	-	4.31.
<i>Signature Verify</i>	-	-	4.32.
<i>Validate</i>	4.23.	4.24.	4.24.
5 Server-to-Client Operations			
<i>Notify</i>	5.1.	5.1.	5.1.
<i>Put</i>	5.2.	5.2.	5.2.
6 Message Contents			
<i>Asynchronous Correlation Value</i>	6.8.	6.8.	6.8.
<i>Asynchronous Indicator</i>	6.7.	6.7.	6.7.
<i>Attestation Capable Indicator</i>	-	-	6.17.
<i>Batch Count</i>	6.14.	6.14.	6.14.
<i>Batch Error Continuation Option</i>	6.13.	6.13.	6.13.
<i>Batch Item</i>	6.15.	6.15.	6.15.
<i>Batch Order Option</i>	6.12.	6.12.	6.12.
<i>Maximum Response Size</i>	6.3.	6.3.	6.3.
<i>Message Extension</i>	6.16.	6.16.	6.16.
<i>Operation</i>	6.2.	6.2.	6.2.
<i>Protocol Version</i>	6.1.	6.1.	6.1.
<i>Result Message</i>	6.11.	6.11.	6.11.
<i>Result Reason</i>	6.10.	6.10.	6.10.
<i>Result Status</i>	6.9.	6.9.	6.9.
<i>Time Stamp</i>	6.5.	6.5.	6.5.
<i>Unique Batch Item ID</i>	6.4.	6.4.	6.4.
7 Message Format			

Reference Term	KMIP 1.0	KMIP 1.1	KMIP 1.2
<i>Message Structure</i>	7.1.	7.1.	7.1.
<i>Operations</i>	7.2.	7.2.	7.2.
8 Authentication			
<i>Authentication</i>	8	8	8
9 Message Encoding			
<i>Alternative Name Type Enumeration</i>	-	-	9.1.3.2.34.
<i>Attestation Type Enumeration</i>	-	-	9.1.3.2.36.
<i>Batch Error Continuation Option Enumeration</i>	9.1.3.2.29.	9.1.3.2.30.	9.1.3.2.30.
<i>Bit Masks</i>	9.1.3.3.	9.1.3.3.	9.1.3.3.
<i>Block Cipher Mode Enumeration</i>	9.1.3.2.13.	9.1.3.2.14.	9.1.3.2.14.
<i>Cancellation Result Enumeration</i>	9.1.3.2.24.	9.1.3.2.25.	9.1.3.2.25.
<i>Certificate Request Type Enumeration</i>	9.1.3.2.21.	9.1.3.2.22.	9.1.3.2.22.
<i>Certificate Type Enumeration</i>	9.1.3.2.6.	9.1.3.2.6.	9.1.3.2.6.
<i>Credential Type Enumeration</i>	9.1.3.2.1.	9.1.3.2.1.	9.1.3.2.1.
<i>Cryptographic Algorithm Enumeration</i>	9.1.3.2.12.	9.1.3.2.13.	9.1.3.2.13.
<i>Cryptographic Usage Mask</i>	9.1.3.3.1.	9.1.3.3.1.	9.1.3.3.1.
<i>Defined Values</i>	9.1.3.	9.1.3.	9.1.3.
<i>Derivation Method Enumeration</i>	9.1.3.2.20.	9.1.3.2.21.	9.1.3.2.21.
<i>Digital Signature Algorithm Enumeration</i>	-	9.1.3.2.7.	9.1.3.2.7.
<i>Encoding Option Enumeration</i>	-	9.1.3.2.32.	9.1.3.2.32.
<i>Enumerations</i>	9.1.3.2.	9.1.3.2.	9.1.3.2.
<i>Examples</i>	9.1.2.	9.1.2.	9.1.2.
<i>Hashing Algorithm Enumeration</i>	9.1.3.2.15.	9.1.3.2.16.	9.1.3.2.16.
<i>Item Length</i>	9.1.1.3.	9.1.1.3.	9.1.1.3.
<i>Item Tag</i>	9.1.1.1.	9.1.1.1.	9.1.1.1.
<i>Item Type</i>	9.1.1.2.	9.1.1.2.	9.1.1.2.
<i>Item Value</i>	9.1.1.4.	9.1.1.4.	9.1.1.4.
<i>Key Compression Type Enumeration</i>	9.1.3.2.2.	9.1.3.2.2.	9.1.3.2.2.
<i>Key Format Type Enumeration</i>	9.1.3.2.3.	9.1.3.2.3.	9.1.3.2.3.
<i>Key Role Type Enumeration</i>	9.1.3.2.16.	9.1.3.2.17.	9.1.3.2.17.
<i>Key Value Location Type Enumeration</i>	-	-	9.1.3.2.35.
<i>Link Type Enumeration</i>	9.1.3.2.19.	9.1.3.2.20.	9.1.3.2.20.
<i>Name Type Enumeration</i>	9.1.3.2.10.	9.1.3.2.11.	9.1.3.2.11.
<i>Object Group Member Enumeration</i>	-	9.1.3.2.33.	9.1.3.2.33.
<i>Object Type Enumeration</i>	9.1.3.2.11.	9.1.3.2.12.	9.1.3.2.12.
<i>Opaque Data Type Enumeration</i>	9.1.3.2.9.	9.1.3.2.10.	9.1.3.2.10.
<i>Operation Enumeration</i>	9.1.3.2.26.	9.1.3.2.27.	9.1.3.2.27.
<i>Padding Method Enumeration</i>	9.1.3.2.14.	9.1.3.2.15.	9.1.3.2.15.
<i>Put Function Enumeration</i>	9.1.3.2.25.	9.1.3.2.26.	9.1.3.2.26.
<i>Query Function Enumeration</i>	9.1.3.2.23.	9.1.3.2.24.	9.1.3.2.24.
<i>Recommended Curve Enumeration for ECDSA, ECDH, and ECMQV</i>	9.1.3.2.5.	9.1.3.2.5.	9.1.3.2.5.
<i>Result Reason Enumeration</i>	9.1.3.2.28.	9.1.3.2.29.	9.1.3.2.29.
<i>Result Status Enumeration</i>	9.1.3.2.27.	9.1.3.2.28.	9.1.3.2.28.
<i>Revocation Reason Code Enumeration</i>	9.1.3.2.18.	9.1.3.2.19.	9.1.3.2.19.
<i>Secret Data Type Enumeration</i>	9.1.3.2.8.	9.1.3.2.9.	9.1.3.2.9.
<i>Split Key Method Enumeration</i>	9.1.3.2.7.	9.1.3.2.8.	9.1.3.2.8.
<i>State Enumeration</i>	9.1.3.2.17.	9.1.3.2.18.	9.1.3.2.18.
<i>Storage Status Mask</i>	9.1.3.3.2.	9.1.3.3.2.	9.1.3.3.2.
<i>Tags</i>	9.1.3.1.	9.1.3.1.	9.1.3.1.
<i>TTLV Encoding</i>	9.1.	9.1.	9.1.
<i>TTLV Encoding Fields</i>	9.1.1.	9.1.1.	9.1.1.
<i>Usage Limits Unit Enumeration</i>	9.1.3.2.30.	9.1.3.2.31.	9.1.3.2.31.

Reference Term	KMIP 1.0	KMIP 1.1	KMIP 1.2
<i>Validity Indicator Enumeration</i>	9.1.3.2.22.	9.1.3.2.23.	9.1.3.2.23.
<i>Wrapping Method Enumeration</i>	9.1.3.2.4.	9.1.3.2.4.	9.1.3.2.4.
<i>XML Encoding</i>	9.2.	-	-
10 Transport			
<i>Transport</i>	10	10	10
12 KMIP Server and Client Implementation Conformance			
<i>Conformance clauses for a KMIP Server</i>	12.1.	-	-
<i>KMIP Client Implementation Conformance</i>	-	12.2.	12.2.
<i>KMIP Server Implementation Conformance</i>	-	12.1.	12.1.

Appendix C. Revision History

Revision	Date	Editor	Changes Made
wd01	26-June-2013	Tim Hudson / Bob Lockhart	Updated conformance wording style. Updated test case style. Included test cases for 1.0, 1.1 and 1.2. Applied new OASIS template.
wd02	6-August-2013	Tim Hudson / Bob Lockhart	Updated to include Permitted Test Case Variations and updated Test Cases based on July 2013 Interop
wd02	10-August-2013	Tim Hudson	Updated Permitted Test Case Variations
wd03a	24-October-2013	Tim Hudson	Editorial update to include VendorIdentification in the list of allowed variations as per TC motion.