

Akoma Ntoso Media Type Version 1.0

Committee Specification Draft 01

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Related work:

This specification is related to:

- *Akoma Ntoso Version 1.0 Part 1: XML Vocabulary*. <http://docs.oasis-open.org/legaldocml/akn-core/v1.0/csprd01/part1-vocabulary/akn-core-v1.0-csprd01-part1-vocabulary.html>.
- *Akoma Ntoso Version 1.0 Part 2: Specifications*. <http://docs.oasis-open.org/legaldocml/akn-core/v1.0/csprd01/part2-specs/akn-core-v1.0-csprd01-part2-specs.html>.
- Akoma Ntoso Version 1.0 XML schemas. <http://docs.oasis-open.org/legaldocml/akn-core/v1.0/csprd01/part2-specs/schemas/>.

Abstract:

This document contains the relevant information for the registration of the Akoma Ntoso media type (akn+xml) with IANA.

Status:

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1 Introduction

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 . |
| [RFC3986] | Berners-Lee T., Fielding R., Masinter, L.. “Uniform Resource Identifier (URI): Generic Syntax”, RFC 3986, January 2005. http://www.ietf.org/rfc/rfc3986.txt . |
| [RFC7303] | Thompson, H., Lilley, C. “XML Media Types”, RFC 7303, July 2014. http://www.ietf.org/rfc/rfc7303.txt . |

2 IANA Considerations

This information has been submitted to the Internet Engineering Steering Group (IESG) for review, approval, and registration with IANA.

MIME media type name : Application

MIME subtype name : akn+xml

Required parameters : None

Optional parameters :

charset

with identical semantics to the charset parameter of the application/xml media type as specified in [RFC 7303].

2.1 Encoding considerations

Identical to those for 'application/xml'. See [RFC7303], Section 3.2.

2.2 Security considerations

Since this media type uses the "+xml" convention, it shares the security considerations described in Section 10 of [RFC7303], Akoma Ntoso documents may contain arbitrary URIs. Hence the security issues of [RFC3986], Section 7, apply.

Akoma Ntoso documents may contain arbitrary content within specific elements of the XML stream. This could include executable code injected by malicious agents. Yet, there is no requirement that such content is actually recognized and executed on the receiving end, and receiving agents **MUST** ignore executable content coming from unsecured channels and/or unknown sources.

Akoma Ntoso documents provide their own means to deal with integrity requirements for content, under the guise of XML digital signatures on the whole or individual parts of the content. With regard to privacy requirements, most of the Akoma Ntoso documents are in fact of public nature and possess no privacy requirements. Whenever the providing agent is sending confidential documents or containing parts with a different degree of confidentiality, it **MUST** adopt secure transmission channels such as SSL/TLS, and **MAY** adopt in addition further mechanisms such as XML encryption on the confidential parts of the content.

2.3 Interoperability considerations

This specification describes processing semantics that dictate behavior that must be followed when dealing with, among other things, unrecognized elements. Since Akoma Ntoso is designed to be extensible in specific elements, "application/akn+xml" processors **MAY** expect that content received is well-formed XML, but processors **SHOULD NOT** assume that the content is valid Akoma Ntoso or expect to recognize all of the elements and attributes in the document.

2.4 Published specification

<http://docs.oasis-open.org/legaldocml/akn-core/v1.0/akn-core-v1.0-part1-vocabulary.html>

2.5 Applications which use this media

Akoma Ntoso documents are created, accepted and managed by a number of tools in use by parliaments and other entities that are active in the legal XML domain. These include document management systems, legal drafting tools, URI resolvers and format converters.

The necessity of this media types arises with those institutions that have more than one XML data format for their legal documents, and that want to add support for Akoma Ntoso, since by examining the request they need to be able to determine the specific XML vocabulary to use for the response.

2.6 Fragment identifier considerations:

Documents having the media type 'application/akn+xml' use a fragment identifier notation totally consistent with what is specified in [RFC7303] for the media type 'application/xml'.

2.7 Restrictions on usage

None

2.8 Provisional registration

We kindly request provisional registration for application/akn+xml

2.9 Additional information

1. Deprecated alias names for this type : None
2. Magic number(s) : There is no single initial octet sequence that is always
3. File extension(s) : Akoma Ntoso documents are most often identified with the extension .akn or .xml.
4. Macintosh file type code : TEXT
5. Object Identifiers: None

2.10 Preliminary Community Review

Preliminary Community Review was obtained in August 2014, with a mail to media-types@iana.org, id: <http://www.ietf.org/mail-archive/web/media-types/current/msg00587.html> , that received no comments.

2.11 Intended usage

Common

2.12 Persons to contact for further information :

1. Name : Fabio Vitali or Monica Palmirani
2. Email : fabio.vitali@unibo.it or monica.palmirani@unibo.it

2.13 Author/Change controllers

2.13.1 Authors

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2.13.2 Change Controllers

OASIS has change control over these specifications.

3 Conformance

This chapter provides no conformance clauses.

Appendix A. Acknowledgments

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Appendix B. Revision History

Revision	Date	Editor	Changes Made
[01]	[19/03/2015]	[Monica Palmirani]	[First version]
[02]	[24/03/2015]	[Fabio Vitali]	[Added specifications about security and privacy]