This specification is an Errata for OASIS Standard WS-Reliability 1.1. It contains informative corrections to OASIS Standard wsrm-ws_reliability-v1.1-spec-os. Committee members should send comments on this specification to the wsrm@lists.oasis-open.org list. Others should use the comment form at http://www.oasis-open.org/committees/comments/form.php?wg_abbrev=wsrm.

For information on whether any patents that may be essential to implementing this specification have been disclosed and any offers of patent licensing terms, please refer to the Intellectual Property Rights section of the Web Services Reliable Messaging TC web page (http://www.oasis-open.org/committees/wsrm/).
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1 Typographic Error

1.1 ReplyPatterType in ws-reliability-1.1.xsd

In the productions on lines 127 thru 139 of the schema at:

http://docs.oasis-open.org/wsrm/2004/06/ws-reliability-1.1.xsd:

```xml
<xsd:complexType name="ReplyPatternType">
    <xsd:sequence>
        <xsd:element name="Value" type="wsrm:ReplyPatterTypeValues"/>
        <xsd:element name="ReplyTo" type="ref:ServiceRefType" minOccurs="0"/>
    </xsd:sequence>
</xsd:complexType>

<xsd:simpleType name="ReplyPatternTypeValues">
    <xsd:restriction base="xsd:string">
        <xsd:enumeration value="Response"/>
        <xsd:enumeration value="Callback"/>
        <xsd:enumeration value="Poll"/>
    </xsd:restriction>
</xsd:simpleType>
```

There is an obvious typographical error (No 'n' at the end of Pattern) on line 129.

```xml
<xsd:element name="Value" type="wsrm:ReplyPatterTypeValues"/>
```

should be implemented as if it were the following:

```xml
<xsd:element name="Value" type="wsrm:ReplyPatternTypeValues"/>
```

A corrected schema is posted (for information) at:

2 Clarification of Potential Ambiguities

2.1 Group Termination Summary Table Clarifications

The clarifications described in this section relate to group termination tables on page 48.

2.1.1 Table 27 Second Row Clarification

The entry in Table 27, second row, second column, states the following:

“(after closing) In case GuaranteedDelivery is not required, remove the group immediately. Otherwise, remove it if all messages have been either acknowledged or faulted

This confirms that interpretation 2) is the correct one.

Change the offending sentence to:

“In case GuaranteedDelivery is not required, remove the group immediately. Otherwise, remove it if each message has either been acknowledged or faulted
2.1.2 Table 27 Final Row Clarification

The last row of the table 27 could be broken into two separate rows as it contains many combinations; some of which are not possible.

Given the condition in the first column:

"When a group is ordered AND an unacknowledged message expires or faults."

For this case we cannot have the event “all messages are acknowledged” as a removal condition.

Change: change the sentence to:

"Remove the group after each message has either been acknowledged or faulted."

2.1.3 Clarification on How to read Tables 26 and 27

In the section about group termination, tables 26 and 27 summarize the two events “group closing” and “group removal” both at the sender RMP and receiver RMP. These two tables facilitate comprehension of group termination rules for an implementer. However, they could be enhanced to be clearer.

This errata item serves to clarify the intent of the tables in the ws-reliability-1.1 specification.

The tables should be read as if each row was labeled, and the contents of the second column referred to the label of the row.

Errata Resolution:

The tables 26 and 27 should be read with the meaning shown in the following tables (the changes from 2.1.1 and 2.1.2 above have also been applied):
(Section 5.1.3.6)

Conditions for terminating a group in a Receiving RMP

<table>
<thead>
<tr>
<th>Termination case</th>
<th>Group Closing</th>
<th>Group Removal</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1</td>
<td>When @groupExpiryTime has passed.</td>
<td>(after closing) When @groupExpiryTime has passed.</td>
</tr>
<tr>
<td>T2</td>
<td>When the @groupMaxIdleDuration timeout has expired.</td>
<td>(after closing) When Max(ExpiryTime) has passed.</td>
</tr>
<tr>
<td>T3, T4</td>
<td>When a group is complete.</td>
<td>(after closing) When Max(ExpiryTime) has passed, (or when @groupExpiryTime expires, if exists).</td>
</tr>
<tr>
<td>T5</td>
<td>When a group is ordered AND an undelivered message expires or faults.</td>
<td>(after closing) When Max(ExpiryTime) has passed.</td>
</tr>
</tbody>
</table>

Table 26 Conditions for terminating a group – Receiving RMP

Conditions for terminating a group in a Sending RMP

<table>
<thead>
<tr>
<th>Termination case</th>
<th>Group Closing</th>
<th>Group Removal</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1</td>
<td>When @groupExpiryTime has passed.</td>
<td>(after closing) When @groupExpiryTime has passed.</td>
</tr>
<tr>
<td>T2</td>
<td>When the @groupMaxIdleDuration timeout has expired.</td>
<td>(after closing) In case GuaranteedDelivery is not required, remove the group immediately. Otherwise, remove it if each message has either been acknowledged or faulted.</td>
</tr>
<tr>
<td>T3, T4</td>
<td>When a group is complete.</td>
<td>(after closing) In case GuaranteedDelivery is not required, remove the group immediately. Otherwise, remove it if each message has either been acknowledged or faulted.</td>
</tr>
<tr>
<td>T5</td>
<td>When a group is ordered AND an unacknowledged message expires or faults.</td>
<td>(after closing) Remove the group after each message has either been acknowledged or faulted.</td>
</tr>
</tbody>
</table>

Table 27 Conditions for terminating a group – Sending RMP