# OASIS 🕅

## **Deployment Profile Template Version 1.0**

## for WS-Reliability 1.1

## **Committee Draft**

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#### **Related work:**

This specification is related to:

• WS-Reliability 1.1

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### Abstract:

Due to the degree of optionality allowed by the specification, these communities will want to document exactly which parts of it must be deployed and how, in order to foster interoperability on multiple levels between participants. Also, a community may want to further profile the content and format of some message elements, to match their business practices. This amounts to defining a deployment profile of WS-Reliability. This document is a Template for assisting the definition of such deployment profile.

#### Status:

This document is submitted for approval as a committee draft specification.

Committee members should send comments on this document to the wsrm@lists.oasis-open.org list. Others should subscribe to and send comments to the wsrm-comment@lists.oasis-open.org list. To subscribe, send an email message to wsrm-comment-request@lists.oasis-open.org with the word "subscribe" as the body of the message.

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## 1 1 Introduction

### 2 1.1 Purpose

The WS-Reliability 1.1 standard **[WS-Reliability]** contains several configurable features and options. Any use of WS-Reliability requires a certain amount of standardization within a user community. Due to the degree of optionality allowed by the specification, these communities will want to document exactly which parts of it must be deployed and how, in order to foster interoperability on multiple levels between participants. Also, a community may want to further profile the content and format of some message elements, to match their business practices.

9

- 10 Such information may be collected and published as a Deployment Guide for a community. It also
- represents an agreed-upon convention for the use of a reliability module within the community, the capabilities that are expected from an implementation, and the deployment details.
- 13
- 10 A A - This Danlaumant Dasfils Terralate for MO Deliability is intervaled to be filled an instantists of business
- 14 This Deployment Profile Template for WS-Reliability is intended to be filled or instantiated by user
- 15 communities. Once instantiated and optionally extended with material that is specific to this community, it
- 16 becomes a Deployment Profile, or Deployment Guide.
- 17

18 By publishing Deployment Profiles for different communities using the same Template format, it will be

19 easier for a user community to consult the configuration setups, as well as conventions used by other

20 user communities with which they may want to interoperate. This will help them to assess whether these

21 two communities will be able to interoperate, or under what conditions.

### 22 1.2 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]**.
- 25 **Source Specification**: The specification or standard that is being profiled.
- 26 **Deployment Profile Template:** Document that lists the options in the source specification that may be
- 27 selected by a user community, that identifies content elements (e.g. message headers, XML values) the

format and/or value of which may be further standardized by a community, and that also identifies typical

- 29 operating conditions under which the source specification may be used, and selected by a user 30 community.
- 31 **User Community**: A group of users, e.g. within a supply-chain industry, the members of which decide to 32 make a similar usage of the source specification in order to be able to interoperate.
- 33 Deployment Profile (or Deployment Guide): Document that is an instance of the Deployment Profile 34 Template. It defines which options should / should not be used by this community, which format or value
- 35 some content elements should comply with, and under which operating conditions the standard must be 36 used by this community.
- 37

42

43

### **1.3 How to Use the Deployment Profile Template**

- There are three parts in the Deployment Profile Template that need to be instantiated in order to generate a Deployment Profile:
- - □ The section on the profiling requirement details (see section 3 below)
  - □ The section on operating conditions associated with the profile (see section 4 below)

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- 44 Every feature from the source specification that is candidate for profiling is listed in a "Profile Element"
- 45 table of the form:
- 46

Specification Feature	<description be="" deployment="" in="" is="" item="" of="" pre-filled="" profile="" profiled.="" source="" specification="" template.="" the="" this="" to=""></description>
Specification Reference	<identifies deployment="" in="" is="" item="" pre-filled="" profile="" source="" specification.="" template="" the="" this=""></identifies>
Profile Item (1N)	< <u>H</u> how the item is profiled: option narrowing/selection, content formatting, narrowing structure of XML complex element, content integrity constraint, This is left for a Deployment Profile to fill in. >
Alignment	<ddependency a="" alignment="" an="" binding,="" data,="" deployment="" domain-specific="" e.g.="" either="" external="" fill="" for="" from="" in="" in.="" industry-specific="" is="" item="" items="" left="" or="" other="" profile="" same="" source,="" specification,="" specifications,="" specified="" standard.="" this="" to="" with=""></ddependency>
Test References	< <u>R</u> references to related test requirements or test cases, that would verify this profiling. This is left for a Deployment Profile to fill in. >
Notes	<profile-specific a="" be="" comments.="" could="" deployment="" feature="" fill="" for="" in="" is="" left="" of="" original="" profile="" reminder="" semantics="" spec.="" the="" this="" to="" –=""></profile-specific>

48 When no recommendation is made for a profile requirement item of the template, one of the following values MUST be used in the "profiling" and "alignment" -fields of the table: 49 50 Not Applicable: for items that isare not relevant to the community. 51 □ No Recommendation: will indicate that there is no recommendation or requirement for this 52 feature item. 53 Pending: for items that are still under study for a recommendation, and for which some recommendation is likely to be specified in future versions of the Deployment Profile (yet, the 54 user community did not want to wait for these to be specified before publishing a current 55 version of the Profile or Guide). 56 57 58 For items that specify text values, it should also be noted whether or not the values are case-sensitive.

### 60 **2 Overview of the Profile**

61

In this section, users will describe the overall intent of this profile, -its scope and audience. The section includes contextual info for this profile, that usually is domain-specific: e.g. use cases that must be supported. Some reliability features may be specified for each use case, although Section 3 and 4 are where the details for each reliability feature should be described. These sections may refer to use cases in this section.

NOTE: it is possible that some redundancies about reliability feature profiling appear between this section,
and sections 3 and 4. The latter sections give an RMP-configuration centric view of the profiling, while this
section gives a use-case centric perspective (application-linked) of the profiling.

70

### 71 2.1 General Objectives

- 72 This section is to be filled by the user community defining the profile.
- 73

### 74 2.2 Requirements and Scope

- 75 This section is to be filled by the user community defining the profile.
- 76

### 77 2.3 Use Cases to be Supported

- 78 This section is to be filled by the user community defining the profile.
- 79

## **3 Profiling the Functional Areas of WS-Reliability**

In this section, users will only specify which functions or parts of the source specification are used in this profile (i.e. parts that business partners need to use or support in order to comply with the profile and communicate with others who do comply). For each part, users also specify whether the part has been profiled or not. If yes, some profiling details should be given for this part in section 3 or 4.

85

86 NOTE: Several of the profiling points below are expected to be not under user control, but under RMP 87 developer control. In other words, they may already be determined by the implementation being used. In 88 this case, the profiling tables in this document may still be used to report these constraints, in addition to 89 expressing users' profiling choices. Doing so will provide guidance on which RMP should be deployed in 90 order to conform to this profile.

91

92

### 93 3.1 Functional Areas

Module Name	Delivery Assurances and parameters
and Reference	(Sections 3.2, 4.2, 4.3)
Profiling	Usage: <required in="" never="" optional="" profile="" this="" used=""></required>
Status	Profiled: <yes no=""></yes>
Notes	Indicates which delivery assurances must be supported to satisfy this profile, and which ones are profiled.

94

Module Name	Sequence and Message Management
and Reference	(Sections 4.2.1, 4.2.2, 5)
Profiling	Usage: <required in="" never="" optional="" profile="" this="" used=""></required>
Status	Profiled: <yes no=""></yes>
Notes	Indicates how/when sequences are created, and how they are terminated, in this deployment profile.

95

Module Name	Schema Extensions
and Reference	( <u>S</u> sections 4.6)
Profiling	Usage: <required in="" never="" optional="" profile="" this="" used=""></required>
Status	Profiled: <yes no=""></yes>
Notes	Indicates if/when schema extensions are being used.

Module Name	SOAP and Transport Bindings
and Reference	(Section 6)
Profiling	Usage: <required in="" never="" optional="" profile="" this="" used=""></required>
Status	Profiled: <yes no=""></yes>
Notes	Indicates whether there is a profile requirement on the use of SOAP and its bindings.

99

Module Name	RM Agreement
and Reference	(Section 3.1)
Profiling	Usage: <required in="" never="" optional="" profile="" this="" used=""></required>
Status	Profiled: <yes no=""></yes>
Notes	Indicates whether there is a profile requirement on the representation of Reliability Agreements

100 101

#### **4** Profile Requirements Details 102

#### 4.1 Profile Module: Delivery Assurances and Parameters 103

#### 4.1.1 Profile Element: Usage of At-Least-Once 104

Specification Feature	In message Header: /SOAP:Header/wsrm:Request/-AckRequested
Specification Reference	WS- <u>Reliability</u> rel 1.1, section <del>s</del> 4.2.4
Profile Item(a) (AckRequeste d)	Is this reliability feature required? Are there any conditions under which it is / is not required? RECOMMENDED / REQUIRED:
Profile Item (b) (resending)	How is the message resending mechanism controlled? (Number of retries? Interval between retries?) RECOMMENDED / REQUIRED:
Alignment	[Is there any user-defined document this profile element should align to?]
Test References	
Notes	

105

#### 4.1.2 Profile Element: Acknowledgment Management 106

Specification Feature	In message Header: /SOAP:Header/wsrm:Request/-ReplyPattern/Value /SOAP:Header/wsrm:Request/-ReplyPattern/ReplyTo /SOAP:Header/wsrm:Request/-ReplyPattern/ ReplyTo@reference-scheme /SOAP:Header/wsrm:Request/-ReplyPattern/ReplyTo/-BareURI
Specification Reference	WS- <u>Reliability</u> rel 1.1, section 4.2.3
Profile Item (a) (ReplyPattern value)	What are the expected values for the Reply pattern? ( <u>R</u> response/ <u>C</u> eallback/ <u>P</u> poll) RECOMMENDED / REQUIRED:

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Profile Item (b) (Acknowledgm ents)	May the SequenceReplies -batch the acknowledgments? What are the acceptable delays to get acknowledgments? RECOMMENDED / REQUIRED:
Profile Item (c)	In case of Polling, how often should the polling take place? What should be the target of the polling: range? Specific message IDs? RECOMMENDED / REQUIRED:
Profile Item (d) (ReplyTo address)	Is the destination of acknowledgments, the sending RMP or a third party destination? What is the format or schema used by ReplyTo (reference-scheme)? RECOMMENDED / REQUIRED:
Alignment	
Test References	
Notes	

108

### 109 4.1.3 Profile Element: Usage of At-Most-Once

Specification Feature	Header elements: /SOAP:Header/wsrm:Request/-DuplicateElimination
Specification Reference	WS- <u>Reliability</u> rel 1.1, section 4.2.5
Profile Item (a)	-Is this reliability feature required? Are there any conditions under which it is / is not required? RECOMMENDED / REQUIRED:
Profile Item (b)	What is the behavior of a receiving RMP when a duplicate request is received, for which a response had already been previously sent? (is a Fault be sent back? Or a duplicate of the cached response?) RECOMMENDED / REQUIRED:
Alignment	
Test References	

Notes
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#### 4.1.4 Profile Element: Usage of In-Order 111

Specification Feature	Header elements: /SOAP:Header/wsrm:Request/-MessageOrder
Specification Reference	WS- <u>Reliability</u> rel 1.1, section 4.2.6
Profile Item (a)	-Is this reliability feature required? Are there any conditions under which it is / is not required? RECOMMENDED / REQUIRED:
Profile Item (b)	How long should the receiving RMP wait for a missing message, before aborting an incomplete sequence? RECOMMENDED / REQUIRED:
Alignment	
Test References	
Notes	

112

#### 4.1.5 Profile Element: Usage of Polling 113

Specification Feature	Header elements: /SOAP:Header/wsrm:PollRequest /SOAP:Header/wsrm:-PollRequest-/ReplyTo@reference-scheme /SOAP:Header/wsrm:-PollRequest-/ReplyTo/-BareURI /SOAP:Header/wsrm:PollRequest/RefToMessageIds /SOAP:Header/wsrm:PollRequest/RefToMessageIds@grouplid /SOAP:Header/wsrm:PollRequest/RefToMessageIds/SequenceNumeRange /SOAP:Header/wsrm:PollRequest/RefToMessageIds/SequenceNumeRange@from /SOAP:Header/wsrm:PollRequest/RefToMessageIds/SequenceNumRange@to /SOAP:Header/wsrm:PollRequest/RefToMessageIds/SequenceNumRange@to /SOAP:Header/wsrm:PollRequest/-[wsrm:HeaderBaseType]
--------------------------	---

Specification Reference	WS-Reliability 1.1WS-rel 1.1, section 4.3
Profile Item (a)	Is this feature expected to be used, and under which conditions? RECOMMENDED / REQUIRED:
Profile Item (b) (sync/async)	Is the Polling expecting a synchronous response, or asynchronous? If asynchronous: destination of acknowledgments, the sending RMP or a third party destination? What is the format or schema used by ReplyTo (reference- scheme)? RECOMMENDED / REQUIRED:
Profile Item (c)	How often is polling expected to be done? Time period, or based on number of messages received? RECOMMENDED / REQUIRED:
Profile Item (d)	Should a particular extension be supported and understood (schema?) What is its semantics? RECOMMENDED / REQUIRED:
Alignment	
Test References	
Notes	Assume -profile element 4.1.1 (At-Least-Once) is in use.

115

116

#### 4.2 Profile Module: Sequence and Message Management 117

#### 4.2.1 Profile Element: General Use of Sequences 118

Specification Feature	Header elements: /SOAP:Header/wsrm:Request/-MessageId /SOAP:Header/wsrm:Request/-MessageId@groupid /SOAP:Header/wsrm:Request/-MessageId/-SequenceNum /SOAP:Header/wsrm:Request/MessageId/SequenceNum@number /SOAP:Header/wsrm:Request/MessageId/SequenceNum@lact
	/SOAP:Header/wsrm:Request/-MessageId/-SequenceNum@last
	/SOAP:Header/wsrm:Request/-MessageId/-SequenceNum@groupExpiryTime
	/SOAP:Header/wsrm:Request/-MessageId/

	SequenceNum@groupMaxIdleDuration
	/SOAP:Header/wsrm:Response/NonSequenceReply
	/SOAP:Header/wsrm:Response/NonSequenceReply@groupId
	/SOAP:Header/wsrm:Response/NonSequenceReply@fault
	/SOAP:Header/wsrm:Response/SequenceReplies
	/SOAP:Header/wsrm:Response/SequenceReplies@groupId
	/SOAP:Header/wsrm:Response/SequenceReplies/ReplyRange
	/SOAP:Header/wsrm:Response/SequenceReplies/ReplyRange@from
	/SOAP:Header/wsrm:Response/SequenceReplies/ReplyRange@to
	/SOAP:Header/wsrm:Response/SequenceReplies/ReplyRange@fault
	TOORT Theader/wsmi.response/Sequencercepiles/repryrange@taut
Specification Reference	WS- <u>Reliabilityrel</u> 1.1, section 4.2.1, and 4.4
Profile Item (a) (message	May or must groups contain a single message, i.e. no sequence number is used? Or should they always use sequence numbers?
groups)	RECOMMENDED / REQUIRED:
Profile Item (b)	(if sequences are used)
	Any rule governing when sequences should be started?
	RECOMMENDED / REQUIRED:
Profile Item (c)	(if sequences are used)
	Should sequences map to a particular sequence of business messages, or should a sequence just be associated with a particular reliability level, usable by any message requiring this level?
	RECOMMENDED / REQUIRED:
Profile Item (d)	(if sequences are used)
	/SOAP:Header/wsrm:Request/-MessageId/-SequenceNum@groupExpiryTime
	Sequence termination: Under which conditions must or may sequence expiration be used? (any maximum duration, or rule to determine the maximum duration?)
	-RECOMMENDED / REQUIRED:
Profile Item (e)	(if sequences are used)
	/SOAP:Header/wsrm:Request/-MessageId/ SequenceNum@groupMaxIdleDuration
	Sequence termination: Under which conditions must or may termination by maximum idle time between two messages be used? (is there a maximum idle time known in advance?)
	-RECOMMENDED / REQUIRED:
Profile Item (f)	(if sequences are used)
	/SOAP:Header/wsrm:Request/-MessageId/-SequenceNum@last
	Sequence termination: Under which conditions must or may last message

	marker be used ? (any known application message should signal the end of a reliable sequence?) RECOMMENDED / REQUIRED:
Alignment	
Test References	
Notes	

### 120 4.2.2 Profile Element: Message Details

Specification Feature	Header elements: /SOAP:Header/-wsrm:Request/-MesageId-@group <u>l</u> id /SOAP:Header/-wsrm:Request/-ExpiryTime
Specification Reference	Sections 4.2.1.1, <u>and</u> 4.2.2.
Profile Item (a)	(if sequences are used) What is the format of a gGroupIdD? RECOMMENDED / REQUIRED:
Profile Item (b)	(if sequences are used) Is there any limit on the maximum sequence number? RECOMMENDED / REQUIRED:
Profile Item (c)	Is there any requirement or recommendation on the message expiration time? RECOMMENDED / REQUIRED:
Alignment	-
Test References	
Notes	

121

#### 4.3 Profile Module-: Schema Extensions 123

#### 4.3.1 Profile Element: Extensions to wsrm:Request 124

Specification Feature	Header elements: /SOAP:Header/wsrm:Request/-[wsrm:HeaderBaseType]
Specification Reference	Section 4.6
Profile item (a)	Should a particular extension be supported and understood (schema?) RECOMMENDED / REQUIRED:
Profile item (b)	What is the semantics of this extension, when may/should/must it be used? RECOMMENDED / REQUIRED:
Alignment	
Test References	
Notes	

125

#### 4.3.2 Profile Element: Extensions to wsrm:Response 126

Specification Feature	Header elements: /SOAP:Header/wsrm:Response/-[wsrm:HeaderBaseType] /SOAP:Header/wsrm:Response/-NonSequenceReply/-[wsrm:ExtensibleType] /SOAP:Header/wsrm:Response/-SequenceReplies/-[wsrm:ExtensibleType] /SOAP:Header/wsrm:Response/-SequenceReplies/-ReplyRange-/ [wsrm:ExtensibleType]
Specification Reference	Section 4.6
Profile item (a)	Should a particular extension be supported and understood as child of Response (schema?) What is the semantics of this extension, -when may/should/must it be used? RECOMMENDED / REQUIRED:
Profile item (b)	-Should a particular extension be supported and understood as child of NonSequenceReply (schema?) What is the semantics of this extension, -when may/should/must it be used? RECOMMENDED / REQUIRED:
Profile item (c)	-Should a particular extension be supported and understood as child of SequenceReplies (schema?) What is the semantics of this extension, -when may/should/must it be used? RECOMMENDED / REQUIRED:

Profile item (d)	-Should a particular extension be supported and understood as child of SequenceReplies-/-ReplyRange (schema?) What is the semantics of this extension, -when may/should/must it be used? RECOMMENDED / REQUIRED:
Alignment	
Test References	
Notes	

128

### 129 **4.4 Profile Module-: SOAP and Transport Bindings**

### 130 4.4.1 Profile Element: SOAP Version

Specification Feature	SOAP envelope and namespace
Specification Reference	Section 6
Profile item (a)	Which version of SOAP is used? (1.1 vs 1.2). Should both be supported? RECOMMENDED / REQUIRED:
Alignment	
Test References	
Notes	

131

### 132 **4.4.2 Profile Element: Transport Protocol**

Specification Feature	Transport binding
Specification Reference	Section 6
Profile item (a)	Is HTTP a required or allowed transfer protocol? RECOMMENDED / REQUIRED:
Profile item (b)	Is HTTPS a required or allowed transfer protocol? RECOMMENDED / REQUIRED:

Profile item (c)	Is any other transfer protocol allowed or required? If so, describe the protocol binding to be used. RECOMMENDED / REQUIRED:
Alignment	
Test References	
Notes	

134

#### 4.5 Profile Module: RM Agreement 135

#### 4.5.1 Profile Element: Use of RM Agreements 136

Specification Feature	RM Agreements
Specification Reference	Section 3
Profiling (a)	Are RM agreements being used for describing the reliability QoS capability of a receiving endpoint, regardless of the sender and of the sequences that can be initiated by senders? RECOMMENDED / REQUIRED:
Profiling (b)	Are RM agreements being used for describing the reliability QoS agreement between two parties? RECOMMENDED / REQUIRED:
Profiling (c)	Are RM Agreements used to configure only the sending endpoints, all QoS properties being transmitted via the reliability protocol? RECOMMENDED / REQUIRED:
Alignment	
Test References	
Notes	

137

#### 4.5.2 Profile Element: Format 138

Specification Feature	RM Agreements
Specification Reference	Section 3

Profiling (a)	Is any particular representation required for RM agreements? RECOMMENDED / REQUIRED:
Alignment	
Test References	
Notes	

## **5** Operational Aspect of the Profile

141 This section defines the operational aspect of the profile: type of deployment that the above profile is 142 supposed to be operated with, expected or required conditions of operations, usage context, etc.

143

### 144 5.1 Deployment and Processing requirements for RM Agreements

RM Agreement	Profile requirements
Is a specific registry for storing and accessing RM Agreements required? If so, provide details.	
Is there a set of predefined RM Agreements ?	
Is there a particular procedure for creating and deploying new RM Agreements? Who is the authoritative instance for validating/authorizing?	
Others	

### 145

### 146 5.2 Message Payload and Flow Profile

Message Quantitative Aspects	Profile requirements
What are typical and maximum message payload sizes that must be handled? (maximum, average)	
What is the expected th <u>r</u> oughput and processing capabilities of an RMP?	
Expected Volume of Message flow (throughput): maximum (peak), average?	
Others	

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### 148 **5.3 Additional Reliability Features beyond WS-Reliability Specification**

Additional Features	Profile requirements
Are there additional reliability features out of specification scope, that are part of this profile, as an extension to the WS- Reliability profiling?	

149	

### **5.4 Profile Management**

Profile Management	Profile requirements
Operational or deployment aspects that are related to the management of this profile, for example:	Recommended or required practices.
- Profile location.	
<ul> <li>Profile validation authority and procedure.</li> </ul>	
<ul> <li>Testing material available and usage.</li> </ul>	
<ul> <li>Procedure for updating this profile or deriving variants from this profile.</li> </ul>	

### **5.5 Additional Profile Requirements**

Additional Requirements	Profile requirements
This table can be used to specify additional features of this profile, e.g. operational or deployment aspects that are object to further requirements or recommendations	Recommended or required practices.

1	54
- 1	04

## 160 6 References

161

### 162 6.1 Normative References

163 164		Bradner, Key words for use in RFCs to Indicate Requirement Levels, p://www.ietf.org/rfc/rfc2119.txt, IETF RFC 2119, March 1997.
165	WS-Reliability	Kazunori Iwasa, et al, eds., Web Services Reliability 1.1,
166	http	://docs.oasis-open.org/wsrm/ws-reliability/v1.1_OASIS Standard, November
167	200	04
168	http	://docs.oasis-open.org/wsrm/ws-reliability/v1.1
169		

- 170 6.2 Non-Normative References
- 171

## 172 A. Revision History

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Revision	Date	Editor	Changes Made
0.1	12 March, 2007	J. Durand & K. Iwasa	Initial draft.
<u>1.0</u>	<u>30</u> <u>March,</u> <u>2007</u>	J.Durand	Formatting with OASIS template, updates for: WS-Reliability reference, usage of RFC2119 keywords.
1.0	230 AprilM arch, 2007	J.Durand Kazunori Iwasa	Editorial corrections forFormatting with OASIS template, updates for: WS- Reliability references, Specification URI on the first page, Document Identifier in the every page (footer). Added the followings: For Section 4.1.5: /SOAP:Header/wsrm:PollRequest/RefToMessageIds/SequenceNumRange@from /SOAP:Header/wsrm:PollRequest/RefToMessageIds/SequenceNumRange@to For Section 4.2.1: /SOAP:Header/wsrm:Reguest/MessageId/SequenceNum@number /SOAP:Header/wsrm:Response/NonSequenceReply /SOAP:Header/wsrm:Response/NonSequenceReply@groupId /SOAP:Header/wsrm:Response/NonSequenceReply@fault /SOAP:Header/wsrm:Response/SequenceReplies /SOAP:Header/wsrm:Response/SequenceReplies@groupId /SOAP:Header/wsrm:Response/SequenceReplies@groupId /SOAP:Header/wsrm:Response/SequenceReplies@groupId /SOAP:Header/wsrm:Response/SequenceReplies@groupId /SOAP:Header/wsrm:Response/SequenceReplies@groupId /SOAP:Header/wsrm:Response/SequenceReplies/ReplyRange@from /SOAP:Header/wsrm:Response/SequenceReplies/ReplyRange@to /SOAP:Header/wsrm:Response/SequenceReplies/ReplyRange@to /SOAP:Header/wsrm:Response/SequenceReplies/ReplyRange@to /SOAP:Header/wsrm:Response/SequenceReplies/ReplyRange@to /SOAP:Header/wsrm:Response/SequenceReplies/ReplyRange@to /SOAP:Header/wsrm:Response/SequenceReplies/ReplyRange@to /SOAP:Header/wsrm:Response/SequenceReplies/ReplyRange@to /SOAP:Header/wsrm:Response/SequenceReplies/ReplyRange@to /SOAP:Header/wsrm:Response/SequenceReplies/ReplyRange@from