

1                   **Web Service Manageability – Representation**  
2   **(WS-Manageability)**

3   **Version 1.0**  
4   **10 September 2003**

5  
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60 This document is provided as a submission to the OASIS Web Services Distributed  
61 Management (WSDM) Technical Committee and to the Web service community in  
62 general.

63

### 64 **Abstract**

65 As Web services become pervasive and critical to business operations, the task of  
66 managing Web services and implementations of the Web services architecture will be  
67 imperative to the success of business operations. Web services manageability is defined as  
68 a set of capabilities for discovering the existence, availability, health, performance, and  
69 usage, as well as the control and configuration of a Web service within the Web services  
70 architecture. This implies that Web services can be managed using Web services  
71 technologies. The importance of a standardized management model for Web services and  
72 the promise of Web services as a management integration technology has driven industry  
73 leaders in Web services and management technologies and applications to form a technical  
74 committee in OASIS called the Web Services Distributed Management (WSDM) Technical  
75 Committee.

76

77 The WSDM TC is chartered to develop the specifications for defining how to use Web  
78 services to manage any IT resource – the “WSDM Management Using Web Services”  
79 specification. They are also chartered to define the manageability model for a Web service as  
80 an IT resource and how to access that model using Web services – the “WSDM  
81 Management OF Web Services” specification. WS-Manageability defines the later, the  
82 manageability model for a Web service and how to access that model using Web services.  
83 WS-Manageability does not provide a “Management Using Web Services” specification.  
84 But it does provide insight, illustration, and input into how “Management Using Web  
85 Services” should be developed to support Web services and Grid services communities  
86 through a concrete use case: Managing Web services.

87

### 88 **WS-Manageability**

89 WS-Manageability is composed of three documents, a concepts document, a normative  
90 specification, and renderings listing. These documents are summarized below:

91

92 **The WS-Manageability – Concepts** document outlines the scope and definitions for the  
93 specification. It provides an overview of Web services architecture and implications for  
94 management of that architecture. The Concepts document further defines the role of the  
95 manager in the Web services architecture and provides practical information on  
96 manageability implementation patterns and discovery considerations.  
97

98 **The WS-Manageability - Specification** begins by introducing the general concepts of a  
99 manageability model in terms of manageability topics, (identification, configuration, state,  
100 metrics, and relationships) and the aspects (properties, operations and events) used to  
101 define them. These abstract concepts apply to understanding and describing the  
102 manageability information and behavior of any IT resource, not just Web services. We use  
103 these concepts to organize our approach to Web services manageability.  
104

105 The manageability model for Web services endpoint is defined as concrete models in UML  
106 using the topics and aspects concepts, without implying any particular implementation or  
107 locus of implementation. Appropriate manageability interfaces are defined based on the  
108 UML manageability models. While some parts of this model may be useful for modeling  
109 the manageability of any IT resource, this specification is focused exclusively on the  
110 requirements of Web service endpoints and does not propose a complete generic resource  
111 manageability model. The WSDM “Management Using Web Services” specification may  
112 incorporate these more generic models.  
113

114 **The WS-Manageability – Representation** document provides the interface definitions  
115 based on the model as WSDL 1.1 and GWSDL renderings. These definitions are meant to  
116 show how the topics and aspects concepts along with concrete models can influence the  
117 development of consistent Web services interfaces for accessing the manageability  
118 information of Web services. The interfaces illustrate how the manageability model for  
119 Web services can be divided into aspects of topics that apply to all manageable resources  
120 and aspects of topics that apply only to the manageability of Web service endpoints. The  
121 interfaces that may apply to all manageable resources may be incorporated into the  
122 “WSDM Management Using Web Services” specification. The details of these WSDL  
123 interfaces specific to managing a Web service endpoint may change to remain consistent  
124 with the “WSDM Management Using Web Services” specification when it is available.  
125

126 This specification depends on Web services as a distributed platform. There are several  
127 common functions which are required for management using Web services that are not  
128 specific to management and not yet available as standardized Web service technologies.  
129 Interim solutions have been proposed in this specification which will be replaced by  
130 suitable standards when they become available. It is not expected that the WSDM TC will  
131 continue specification of or standardization of the interim solutions.  
132

133 This specification defines the manageability model for Web services, and then uses Web  
134 services as a ‘worked example’ of how manageability interfaces in general, as well as Web  
135 services manageability interfaces, may be rendered based on one approach to management  
136 using Web services practices.  
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### Notational Conventions

The key words “MUST,” “MUST NOT,” “REQUIRED,” “SHALL,” “SHALL NOT,” “SHOULD,” “SHOULD NOT,” “RECOMMENDED,” “MAY,” and “OPTIONAL” are to be interpreted as described in RFC-2119 [RFC 2119]. This is not yet done consistently. This specification uses namespace prefixes throughout; they are listed in Table 1. Note that the choice of any namespace prefix is arbitrary at this time and not semantically significant.

Prefix	Namespace
wsmr	<a href="urn:wsmr:common:relationships">urn:wsmr:common:relationships</a>
wser	<a href="urn:wsmr:webservice:endpoint:relationships">urn:wsmr:webservice:endpoint:relationships</a>
wsdl	<a href="http://www.w3.org/2002/07/wsdl">http://www.w3.org/2002/07/wsdl</a>
soap	<a href="http://schemas.xmlsoap.org/wsdl/soap/">http://schemas.xmlsoap.org/wsdl/soap/</a>
gwsdl	<a href="http://www.gridform.org/namespaces/2003/gridWSDLExtensions">http://www.gridform.org/namespaces/2003/gridWSDLExtensions</a>
ogsi	<a href="http://www.gridforum.org/namespaces/2003/OGSI">http://www.gridforum.org/namespaces/2003/OGSI</a>
xsd	<a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a>
wsp	<a href="http://schemas.xmlsoap.org/ws/2002/12/policy">http://schemas.xmlsoap.org/ws/2002/12/policy</a>

145

**Table 1:** *Some standard prefixes and namespaces commonly used in this document.*

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# 189 1 Web Service Endpoint Manageability Model 190 Representation

## 191 1.1 XML Schema

### 192 1.1.1 urn:wsdm:common

```
193  
194  
195 <xsd:schema targetNamespace="urn:wsdm:common"  
196           xmlns:tns="urn:wsdm:common"  
197           xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
198           xmlns:cbe="http://www.ibm.com/AC/commonbaseevent1_1"  
199           elementFormDefault="qualified">  
200  
201 <xsd:import namespace="http://www.ibm.com/AC/commonbaseevent1_1"  
202           schemaLocation="cbe.xsd"/>  
203  
204 <xsd:element name="enabledEvents" type="tns:ArrayOfEventIdentifiers"/>  
205 <xsd:element name="availableProperties" type="tns:ArrayOfProperties"/>  
206  
207 <xsd:complexType name="ArrayOfEvents">  
208   <xsd:sequence>  
209     <xsd:element name="event" type="cbe:CommonBaseEventType"  
210               minOccurs="0" maxOccurs="unbounded"/>  
211   </xsd:sequence>  
212 </xsd:complexType>  
213  
214 <xsd:complexType name="ArrayOfProperties">  
215   <xsd:sequence>  
216     <xsd:element name="property" type="xsd:QName"/>  
217   </xsd:sequence>  
218 </xsd:complexType>  
219  
220 <xsd:complexType name="EventIdentifier">  
221   <xsd:choice>  
222     <xsd:element name="property" type="xsd:QName"/>  
223     <xsd:element name="transition" type="xsd:anyURI"/>  
224     <xsd:element name="name" type="xsd:string"/>  
225     <xsd:element name="other" type="xsd:anyType"/>  
226   </xsd:choice>  
227 </xsd:complexType>  
228  
229 <xsd:complexType name="ArrayOfEventIdentifiers">  
230   <xsd:sequence>  
231     <xsd:element name="eventIdentifier"  
232               type="tns:EventIdentifier"  
233               minOccurs="0" maxOccurs="unbounded"/>  
234   </xsd:sequence>  
235 </xsd:complexType>  
236  
237 <xsd:complexType name="PropertyChangeInformation">  
238   <xsd:sequence>  
239     <xsd:element name="property" type="xsd:QName" />  
240     <xsd:element name="fromValue" type="xsd:anyType"
```

```

241         minOccurs="0"/>
242         <xsd:element name="toValue" type="xsd:anyType"/>
243         <xsd:any namespace="##other" processContents="lax"
244             minOccurs="0" maxOccurs="unbounded"/>
245     </xsd:sequence>
246 </xsd:complexType>
247
248 <!-- to be used inside of CBE -->
249 <xsd:element name="propertyChangeInformation"
250     type="tns:PropertyChangeInformation"/>
251
252 <xsd:simpleType name="URL">
253     <xsd:restriction base="xsd:anyURI"/>
254 </xsd:simpleType>
255
256 <xsd:simpleType name="XPath">
257     <xsd:restriction base="xsd:string"/>
258 </xsd:simpleType>
259
260 <xsd:simpleType name="OnOff">
261     <xsd:restriction base="xsd:string">
262         <xsd:enumeration value="On"/>
263         <xsd:enumeration value="Off"/>
264     </xsd:restriction>
265 </xsd:simpleType>
266
267 </xsd:schema>

```

269

## 270 1.1.2 urn:wsmr:common:relationships

271

272

```

273 <xsd:schema targetNamespace="urn:wsmr:common:relationships"
274     xmlns:tns="urn:wsmr:common:relationships"
275     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
276     xmlns:cbe="http://www.ibm.com/AC/commonbaseevent1_1"
277     elementFormDefault="qualified">
278
279 <xsd:import
280     namespace="http://www.ibm.com/AC/commonbaseevent1_1"
281     schemaLocation="cbe.xsd"/>
282
283 <xsd:element name="relationships" type="tns:ArrayOfRelationships"/>
284 <xsd:element name="availableRelationships"
285     type="tns:ArrayOfAnyRelationshipTypes"/>
286 <xsd:element name="availableRelationshipEvents"
287     type="tns:ArrayOfAnyRelationshipTypes"/>
288
289 <xsd:simpleType name="AnyRelationshipType">
290     <xsd:restriction base="xsd:anyURI"/>
291 </xsd:simpleType>
292
293 <xsd:complexType name="ArrayOfAnyRelationshipTypes">
294     <xsd:sequence>
295         <xsd:element name="relatuonshipType"
296             type="tns:AnyRelationshipType"

```

```
297         minOccurs="0" maxOccurs="unbounded" />
298     </xsd:sequence>
299 </xsd:complexType>
300
301 <xsd:complexType name="Relationship">
302     <xsd:sequence>
303         <xsd:element name="type" type="tns:AnyRelationshipType"
304 minOccurs="0" />
305         <xsd:element name="name" type="xsd:string" minOccurs="0" />
306         <xsd:element name="source" type="tns:Reference"
307 minOccurs="0" />
308         <xsd:element name="target" type="tns:Reference" />
309         <xsd:any namespace="##other" processContents="lax"
310 minOccurs="0" maxOccurs="unbounded" />
311     </xsd:sequence>
312 </xsd:complexType>
313
314 <xsd:complexType name="Reference">
315     <xsd:sequence>
316         <xsd:element name="role" type="xsd:string" minOccurs="0" />
317         <xsd:element name="resource" type="xsd:anyURI"
318 minOccurs="0" />
319         <xsd:any namespace="##other" processContents="lax"
320 minOccurs="0" maxOccurs="unbounded" />
321     </xsd:sequence>
322 </xsd:complexType>
323
324 <xsd:complexType name="RelationshipQuery">
325     <xsd:sequence>
326         <xsd:element name="type" type="tns:AnyRelationshipType"
327 minOccurs="0" />
328         <xsd:element name="name" type="xsd:string" minOccurs="0" />
329         <xsd:element name="role" type="xsd:string" minOccurs="0" />
330         <xsd:element name="reference" type="tns:Reference"
331 minOccurs="0" />
332         <xsd:any namespace="##other" processContents="lax"
333 minOccurs="0" maxOccurs="unbounded" />
334     </xsd:sequence>
335 </xsd:complexType>
336
337 <xsd:complexType name="RelationshipTargetChangeInformation">
338     <xsd:sequence>
339         <xsd:element name="relationship" type="tns:Relationship" />
340         <xsd:element name="newTarget" type="tns:Reference" />
341         <xsd:any namespace="##other" processContents="lax"
342 minOccurs="0" maxOccurs="unbounded" />
343     </xsd:sequence>
344 </xsd:complexType>
345
346 <!-- to be used inside of CBE -->
347 <xsd:element name="relationshipTargetChangeInformation"
348     type="tns:RelationshipTargetChangeInformation" />
349
350 <xsd:complexType name="ArrayOfRelationships">
351     <xsd:sequence>
352         <xsd:element name="relationship" type="tns:Relationship"
353 minOccurs="0" maxOccurs="unbounded" />
```



```

354     </xsd:sequence>
355 </xsd:complexType>
356
357 </xsd:schema>
358

```

359

### 360 1.1.3 urn:wsdm:common:identification

361

362

```

363 <xsd:schema targetNamespace="urn:wsdm:common:identification"
364           xmlns:tns="urn:wsdm:common:identification"
365           xmlns:xsd="http://www.w3.org/2001/XMLSchema"
366           xmlns:cmn="urn:wsdm:common"
367           elementFormDefault="qualified">
368
369 <xsd:import namespace="urn:wsdm:common"
370           schemaLocation="Common.xsd"/>
371
372 <xsd:element name="identificationList" type="cmn:ArrayOfProperties"/>
373
374 </xsd:schema>
375

```

376

### 377 1.1.4 urn:wsdm:common:metrics

378

379

```

380 <xsd:schema targetNamespace="urn:wsdm:common:metrics"
381           xmlns:tns="urn:wsdm:common:metrics"
382           xmlns:xsd="http://www.w3.org/2001/XMLSchema"
383           xmlns:wsdm-ext="urn:wsdm:extensions"
384           xmlns:cmn="urn:wsdm:common"
385           xmlns:cbe="http://www.ibm.com/AC/commonbaseevent1_1"
386           elementFormDefault="qualified">
387
388 <xsd:import namespace="http://www.ibm.com/AC/commonbaseevent1_1"
389           schemaLocation="cbe.xsd"/>
390
391 <xsd:import namespace="urn:wsdm:common"
392           schemaLocation="Common.xsd"/>
393
394 <xsd:element name="metricsList" type="cmn:ArrayOfProperties"/>
395 <xsd:element name="activeMetrics" type="cmn:ArrayOfProperties"/>
396 <xsd:element name="availableMetricEvents" type="cmn:ArrayOfProperties"/>
397
398 <xsd:complexType name="MetricsGroup">
399   <xsd:sequence>
400     <xsd:element name="timeStampAtZero" type="xsd:date"/>
401     <xsd:any namespace="##other" processContents="lax"
402           minOccurs="0" maxOccurs="unbounded"/>
403   </xsd:sequence>
404 </xsd:complexType>
405
406 <xsd:complexType name="MetricChangeInformation">
407 <xsd:complexContent>
408   <xsd:extension base="cmn:PropertyChangeInformation"/>

```

```
409 </xsd:complexContent>
410 </xsd:complexType>
411
412 <!-- to be used inside of CBE -->
413 <xsd:element name="metricChangeInformation"
414     type="tns:MetricChangeInformation"/>
415
416 <xsd:complexType name="MetricsGroupResetInformation">
417     <xsd:sequence>
418         <xsd:element name="group" type="xsd:QName"/>
419         <xsd:any namespace="##other" processContents="lax"
420             minOccurs="0" maxOccurs="unbounded"/>
421     </xsd:sequence>
422 </xsd:complexType>
423
424 <!-- to be used inside of CBE -->
425 <xsd:element name="metricsGroupResetInformation"
426     type="tns:MetricsGroupResetInformation"/>
427
428 </xsd:schema>
429
```

430

### 431 1.1.5 urn:wsdm:common:configuration

432

433

```
434 <xsd:schema targetNamespace="urn:wsdm:common:configuration"
435     xmlns:tns="urn:wsdm:common:configuration"
436     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
437     xmlns:cmn="urn:wsdm:common"
438     elementFormDefault="qualified">
439
440 <xsd:import namespace="urn:wsdm:common"
441     schemaLocation="Common.xsd"/>
442
443 <xsd:element name="configurationList" type="cmn:ArrayOfProperties"/>
444 <xsd:element name="availableConfigurationEvents"
445     type="cmn:ArrayOfProperties"/>
446
447 <xsd:complexType name="ConfigurationChangeInformation">
448 <xsd:complexContent>
449     <xsd:extension base="cmn:PropertyChangeInformation"/>
450 </xsd:complexContent>
451 </xsd:complexType>
452
453 <!-- to be used inside of CBE -->
454 <xsd:element name="configurationChangeInformation"
455     type="tns:ConfigurationChangeInformation"/>
456
457 </xsd:schema>
458
```

459

### 460 1.1.6 urn:wsdm:common:state

461

462

```
463 <xsd:schema targetNamespace="urn:wsdm:common:state"
```

```
464         xmlns:tns="urn:wsdm:common:state"
465         xmlns:cmn="urn:wsdm:common"
466         xmlns:xsd="http://www.w3.org/2001/XMLSchema"
467         xmlns:cbe="http://www.ibm.com/AC/commonbaseevent1_1"
468         elementFormDefault="qualified">
469
470 <xsd:import namespace="urn:wsdm:common"
471           schemaLocation="Common.xsd"/>
472
473 <xsd:import namespace="http://www.ibm.com/AC/commonbaseevent1_1"
474           schemaLocation="cbe.xsd"/>
475
476 <xsd:element name="currentLifecycleState" type="tns:CurrentState"/>
477 <xsd:element name="supportedStates" type="tns:ArrayOfStateIdentifiers"/>
478 <xsd:element name="stateList" type="cmn:ArrayOfProperties"/>
479 <xsd:element name="availableLifecycleTransitionEvents"
480           type="tns:ArrayOfTransitionIdentifiers"/>
481
482 <xsd:simpleType name="StateIdentifier">
483   <xsd:restriction base="xsd:anyURI"/>
484 </xsd:simpleType>
485
486 <xsd:complexType name="ArrayOfStateIdentifiers">
487   <xsd:sequence>
488     <xsd:element name="stateIdentifier"
489 type="tns:StateIdentifier"
490           minOccurs="0" maxOccurs="unbounded"/>
491   </xsd:sequence>
492 </xsd:complexType>
493
494 <xsd:simpleType name="TransitionIdentifier">
495   <xsd:restriction base="xsd:anyURI"/>
496 </xsd:simpleType>
497
498 <xsd:complexType name="ArrayOfTransitionIdentifiers">
499   <xsd:sequence>
500     <xsd:element name="transitionIdentifier"
501 type="tns:TransitionIdentifier"
502           minOccurs="0" maxOccurs="unbounded"/>
503   </xsd:sequence>
504 </xsd:complexType>
505
506 <xsd:complexType name="StateChangeInformation">
507   <xsd:sequence>
508     <xsd:element name="fromState" type="tns:StateIdentifier"/>
509     <xsd:element name="toState" type="tns:StateIdentifier"/>
510     <xsd:element name="transition"
511 type="tns:TransitionIdentifier"/>
512     <xsd:element name="transitionDuration"
513           type="xsd:duration" minOccurs="0"/>
514     <xsd:any namespace="##other" processContents="lax"
515           minOccurs="0" maxOccurs="unbounded"/>
516   </xsd:sequence>
517 </xsd:complexType>
518
519 <!-- to be used inside of CBE -->
520 <xsd:element name="stateChangeInformation"
```

```

521     type="tns:StateChangeInformation"/>
522
523 <xsd:complexType name="CurrentState">
524     <xsd:sequence>
525         <xsd:element name="state" type="tns:StateIdentifier"/>
526         <xsd:element name="timeEntered" type="xsd:dateTime"/>
527     </xsd:sequence>
528 </xsd:complexType>
529
530 </xsd:schema>
531

```

532

### 533 1.1.7 urn:wsmr:webservice:endpoint:relationships

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```

<xsd:schema
  targetNamespace="urn:wsmr:webservice:endpoint:relationships"
  xmlns:tns="urn:wsmr:webservice:endpoint:relationships"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:cmn-rel="urn:wsmr:common:relationships"
  xmlns:idt="urn:wsdm:webservice:endpoint:identification"
  xmlns:wsa="http://schemas.xmlsoap.org/ws/2003/03/addressing"
  xmlns:ogsi="http://www.gridforum.org/namespaces/2003/03/OGSI"
  elementFormDefault="qualified">
  <xsd:import
    namespace="http://www.gridforum.org/namespaces/2003/03/OGSI"
    schemaLocation="OGSI-schema.xsd"/>
  <xsd:import
    namespace="http://schemas.xmlsoap.org/ws/2003/03/addressing"
    schemaLocation="wsa.xsd"/>
  <xsd:import
    namespace="urn:wsdm:webservice:endpoint:identification"
    schemaLocation="ManageableEndpointIdentification.xsd"/>
  <xsd:import
    namespace="urn:wsmr:common:relationships"
    schemaLocation="ManageableRelationships.xsd"/>
  <xsd:simpleType name="RelationshipType">
    <xsd:restriction base="cmn-rel:AnyRelationshipType">
      <xsd:enumeration
        value="urn:wsmr:webservice:endpoint:dependency:uses"/>
      <xsd:enumeration
        value="urn:wsmr:webservice:endpoint:change:compatibleWith"/>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:complexType name="EndpointReference">
    <xsd:complexContent>
      <xsd:extension base="cmn-rel:Reference">
        <xsd:sequence>
          <xsd:choice>
            <xsd:element name="interface" type="xsd:QName"/>

```

```

577     <xsd:element name="endpoint" type="wsa:EndpointReferenceType" />
578     <xsd:element name="gridReference" type="ogsi:HandleType" />
579     <xsd:element name="resource" type="xsd:anyURI" />
580     <xsd:element name="managebleEndpoint"
581 type="idt:EndpointIdentification" />
582     </xsd:choice>
583 </xsd:sequence>
584 </xsd:extension>
585 </xsd:complexContent>
586 </xsd:complexType>
587
588 </xsd:schema>
589

```

590

### 591 1.1.8 urn:wsdm:webservice:endpoint:identification

592

593

```

594 <xsd:schema targetNamespace="urn:wsdm:webservice:endpoint:identification"
595     xmlns:tns="urn:wsdm:webservice:endpoint:identification"
596     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
597     elementFormDefault="qualified">
598

```

598

```

599 <xsd:element name="endpointIdentification"
600 type="tns:EndpointIdentification" />
601

```

601

```

602 <xsd:simpleType name="IdentifierType">
603     <xsd:restriction base="xsd:anyURI" />
604 </xsd:simpleType>
605

```

605

```

606 <xsd:simpleType name="NameType">
607     <xsd:restriction base="xsd:string" />
608 </xsd:simpleType>
609

```

609

```

610 <xsd:simpleType name="VersionType">
611     <xsd:restriction base="xsd:string" />
612 </xsd:simpleType>
613

```

613

```

614 <xsd:simpleType name="SemanticsIdentifierType">
615     <xsd:restriction base="xsd:anyURI" />
616 </xsd:simpleType>
617

```

617

```

618 <xsd:element name="identifier" type="tns:IdentifierType" />
619 <xsd:element name="name" type="tns:NameType" />
620 <xsd:element name="version" type="tns:VersionType" />
621 <xsd:element name="semanticsIdentifier"
622     type="tns:SemanticsIdentifierType" />
623

```

619

620

621

622

623

```

624 <xsd:complexType name="EndpointIdentification">
625     <xsd:sequence>
626         <xsd:element ref="tns:identifier" />
627         <xsd:element ref="tns:name" />
628         <xsd:element ref="tns:version" minOccurs="0" />
629         <xsd:element ref="tns:semanticsIdentifier" minOccurs="0" />
630         <xsd:any namespace="##other" processContents="lax"
631             minOccurs="0" maxOccurs="unbounded" />
632     </xsd:sequence>

```

632

```
633 </xsd:complexType>
634
635 </xsd:schema>
636
637
```

### 1.1.9 urn:wsdm:webservice:endpoint:metrics

```
639
640
641 <xsd:schema targetNamespace="urn:wsdm:webservice:endpoint:metrics"
642           xmlns:tns="urn:wsdm:webservice:endpoint:metrics"
643           xmlns:xsd="http://www.w3.org/2001/XMLSchema"
644           xmlns:cmn-mtx="urn:wsdm:common:metrics"
645           elementFormDefault="qualified">
646
647   <xsd:import namespace="urn:wsdm:common:metrics"
648             schemaLocation="ManageableMetrics.xsd"/>
649
650   <xsd:element name="requestCounters" type="tns:RequestCounters"/>
651
652   <xsd:element name="numberOfRequests" type="xsd:int"/>
653   <xsd:element name="numberOfSuccessfulRequests" type="xsd:int"/>
654   <xsd:element name="numberOfFailedRequests" type="xsd:int"/>
655
656   <xsd:complexType name="RequestCounters">
657     <xsd:complexContent>
658       <xsd:extension base="cmn-mtx:MetricsGroup">
659         <xsd:sequence>
660           <xsd:element ref="tns:numberOfRequests"
661                     minOccurs="0"/>
662           <xsd:element ref="tns:numberOfSuccessfulRequests"
663                     minOccurs="0"/>
664           <xsd:element ref="tns:numberOfFailedRequests"
665                     minOccurs="0"/>
666           <xsd:any namespace="##other" processContents="lax"
667                   minOccurs="0" maxOccurs="unbounded"/>
668         </xsd:sequence>
669       </xsd:extension>
670     </xsd:complexContent>
671   </xsd:complexType>
672
673 </xsd:schema>
674
```

### 1.1.10 urn:wsdm:webservice:endpoint:configuration

```
675
676
677
678
679 <xsd:schema targetNamespace="urn:wsdm:webservice:endpoint:configuration"
680           xmlns:tns="urn:wsdm:webservice:endpoint:configuration"
681           xmlns:xsd="http://www.w3.org/2001/XMLSchema"
682           xmlns:cmn="urn:wsdm:common"
683           elementFormDefault="qualified">
684
685   <xsd:import namespace="urn:wsdm:common"
686             schemaLocation="Common.xsd"/>
687
```

```

688 <xsd:element name="endpointConfiguration"
689 type="tns:EndpointConfiguration" />
690
691 <xsd:simpleType name="DescriptionDocumentLocationType">
692   <xsd:restriction base="cmn:URL" />
693 </xsd:simpleType>
694
695 <xsd:element name="descriptionDocumentLocation"
696   type="tns:DescriptionDocumentLocationType" />
697
698 <xsd:complexType name="EndpointConfiguration">
699   <xsd:sequence>
700     <xsd:element ref="tns:descriptionDocumentLocation"
701       minOccurs="0" />
702     <xsd:any namespace="##other" processContents="lax"
703       minOccurs="0" maxOccurs="unbounded" />
704   </xsd:sequence>
705 </xsd:complexType>
706
707 </xsd:schema>
708
709

```

### 1.1.11 urn:wsdm:webservice:endpoint:state

```

712
713 <xsd:schema targetNamespace="urn:wsdm:webservice:endpoint:state"
714   xmlns:tns="urn:wsdm:webservice:endpoint:state"
715   xmlns:xsd="http://www.w3.org/2001/XMLSchema"
716   xmlns:cmn="urn:wsdm:common"
717   xmlns:cmn-stt="urn:wsdm:common:state"
718   xmlns:cbe="http://www.ibm.com/AC/commonbaseevent1_1"
719   elementFormDefault="qualified">
720
721 <xsd:import namespace="http://www.ibm.com/AC/commonbaseevent1_1"
722   schemaLocation="cbe.xsd" />
723
724 <xsd:import namespace="urn:wsdm:common"
725   schemaLocation="Common.xsd" />
726
727 <xsd:import namespace="urn:wsdm:common:state"
728   schemaLocation="ManageableState.xsd" />
729
730 <xsd:element name="requestProcessingTransitionSettings"
731   type="tns:ArrayOfRequestProcessingTransitionSettings" />
732 <xsd:element name="availableRequestProcessingTransitionEvents"
733   type="cmn-stt:ArrayOfTransitionIdentifiers" />
734
735 <xsd:complexType name="DataCollectors">
736   <xsd:sequence>
737     <xsd:element name="fromHeader" type="xsd:QName"
738       minOccurs="0" maxOccurs="unbounded" />
739     <xsd:element name="fromBody" type="cmn:XPath"
740       minOccurs="0" maxOccurs="unbounded" />
741     <xsd:any namespace="##other" processContents="lax"
742       minOccurs="0" maxOccurs="unbounded" />
743   </xsd:sequence>

```

```
744 </xsd:complexType>
745
746 <xsd:complexType name="RequestProcessingTransitionSettings">
747   <xsd:sequence>
748     <xsd:element name="transition"
749       type="cmn-stt:TransitionIdentifier"/>
750     <xsd:element name="dataCollectors"
751       type="tns:DataCollectors"/>
752     <xsd:any namespace="##other" processContents="lax"
753       minOccurs="0" maxOccurs="unbounded"/>
754   </xsd:sequence>
755 </xsd:complexType>
756
757 <xsd:complexType name="ArrayOfRequestProcessingTransitionSettings">
758   <xsd:sequence>
759     <xsd:element name="settings"
760       type="tns:RequestProcessingTransitionSettings"
761       minOccurs="0" maxOccurs="unbounded"/>
762   </xsd:sequence>
763 </xsd:complexType>
764
765 <xsd:complexType name="RequestProcessingStateChangeInformation">
766 <xsd:complexContent>
767   <xsd:extension base="cmn-stt:StateChangeInformation">
768     <xsd:sequence>
769       <xsd:element name="collectedFromRequestHeader"
770         type="xsd:anyType"
771         minOccurs="0" maxOccurs="unbounded"/>
772       <xsd:element name="collectedFromRequestBody"
773         type="xsd:anyType"
774         minOccurs="0" maxOccurs="unbounded"/>
775       <xsd:any namespace="##other" processContents="lax"
776         minOccurs="0" maxOccurs="unbounded"/>
777     </xsd:sequence>
778   </xsd:extension>
779 </xsd:complexContent>
780 </xsd:complexType>
781
782 <!-- to be used inside of CBE -->
783 <xsd:element name="requestProcessingStateChangeInformation"
784   type="tns:RequestProcessingStateChangeInformation"/>
785
786 <xsd:simpleType name="LifecycleStateIdentifier">
787   <xsd:restriction base="cmn-stt:StateIdentifier">
788     <xsd:enumeration value="urn:wsdm:webservice:endpoint:lifecycle:up:idle"/>
789     <xsd:enumeration value="urn:wsdm:webservice:endpoint:lifecycle:up:busy"/>
790     <xsd:enumeration
791       value="urn:wsdm:webservice:endpoint:lifecycle:down:stopped"/>
792     <xsd:enumeration
793       value="urn:wsdm:webservice:endpoint:lifecycle:down:crashed"/>
794     <xsd:enumeration
795       value="urn:wsdm:webservice:endpoint:lifecycle:down:saturated"/>
796   </xsd:restriction>
797 </xsd:simpleType>
798
799 <xsd:simpleType name="RequestProcessingStateIdentifier">
800   <xsd:restriction base="cmn-stt:StateIdentifier">
```



```
801 <xsd:enumeration value="urn:wsdm:webservice:endpoint:request:received"/>
802 <xsd:enumeration
803 value="urn:wsdm:webservice:endpoint:request:processing"/>
804 <xsd:enumeration value="urn:wsdm:webservice:endpoint:request:processed"/>
805 <xsd:enumeration value="urn:wsdm:webservice:endpoint:request:failed"/>
806 </xsd:restriction>
807 </xsd:simpleType>
808
809 <xsd:simpleType name="LifecycleTransitionIdentifier">
810 <xsd:restriction base="cmn-stt:TransitionIdentifier">
811 <xsd:enumeration value=
812 "urn:wsdm:webservice:endpoint:lifecycle:up:idle:T0:down:stopped"/>
813 <xsd:enumeration value=
814 "urn:wsdm:webservice:endpoint:lifecycle:up:busy:T0:down:stopped"/>
815 <xsd:enumeration value=
816 "urn:wsdm:webservice:endpoint:lifecycle:up:idle:T0:down:crashed"/>
817 <xsd:enumeration value=
818 "urn:wsdm:webservice:endpoint:lifecycle:up:busy:T0:down:crashed"/>
819 <xsd:enumeration value=
820 "urn:wsdm:webservice:endpoint:lifecycle:up:busy:T0:down:saturated"/>
821 <xsd:enumeration value=
822 "urn:wsdm:webservice:endpoint:lifecycle:down:crashed:T0:down:stopped"/>
823 <xsd:enumeration value=
824 "urn:wsdm:webservice:endpoint:lifecycle:down:saturated:T0:down:stopped"/>
825 <xsd:enumeration value=
826 "urn:wsdm:webservice:endpoint:lifecycle:down:saturated:T0:up:busy"/>
827 <xsd:enumeration value=
828 "urn:wsdm:webservice:endpoint:lifecycle:down:crashed:T0:up:idle"/>
829 <xsd:enumeration value=
830 "urn:wsdm:webservice:endpoint:lifecycle:down:stopped:T0:up:idle"/>
831 </xsd:restriction>
832 </xsd:simpleType>
833
834 <xsd:simpleType name="RequestProcessingTransitionIdentifier">
835 <xsd:restriction base="cmn-stt:TransitionIdentifier">
836 <xsd:enumeration value=
837 "urn:wsdm:webservice:endpoint:request:received:T0:processing"/>
838 <xsd:enumeration value=
839 "urn:wsdm:webservice:endpoint:request:processing:T0:processed"/>
840 <xsd:enumeration value=
841 "urn:wsdm:webservice:endpoint:request:processing:T0:failed"/>
842 </xsd:restriction>
843 </xsd:simpleType>
844
845 </xsd:schema>
846
847
```

## 848 **1.2 WSDL 1.1**

### 849 **1.2.1 urn:wsdm:common:events:access**

```
850
851
852 <definitions name="EventsAccess"
853 targetNamespace="urn:wsdm:common:events:access"
854 xmlns:cmn-ifs="urn:wsdm:common:events:access"
```

```

855     xmlns:cmn-typ="urn:wsdm:common:events:access:types"
856     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
857     xmlns="http://schemas.xmlsoap.org/wsdl/">
858
859 <types>
860   <xsd:schema targetNamespace="urn:wsdm:common:events:access:types"
861             xmlns:cmn="urn:wsdm:common"
862             elementFormDefault="qualified">
863
864     <xsd:import namespace="urn:wsdm:common"
865               schemaLocation="../../schema/Common.xsd"/>
866
867     <xsd:element name="getEvents"/>
868
869     <xsd:element name="getEventsResponse">
870       <xsd:complexType>
871         <xsd:sequence>
872           <xsd:element name="arrayOfEvents"
873                     type="cmn:ArrayOfEvents"/>
874         </xsd:sequence>
875       </xsd:complexType>
876     </xsd:element>
877
878   </xsd:schema>
879 </types>
880
881 <message name="getEventsIn">
882   <part name="parameters" element="cmn-typ:getEvents"/>
883 </message>
884
885 <message name="getEventsOut">
886   <part name="parameters" element="cmn-typ:getEventsResponse"/>
887 </message>
888
889 <portType name="EventsAccess">
890
891   <operation name="getEvents">
892     <input message="cmn-ifs:getEventsIn"/>
893     <output message="cmn-ifs:getEventsOut"/>
894   </operation>
895
896 </portType>
897
898 </definitions>
899
900

```

## 1.2.2 urn:wsdm:common:events:control

```

901
902
903
904 <definitions name="EventsControl"
905             targetNamespace="urn:wsdm:common:events:control"
906             xmlns:cmn-ifs="urn:wsdm:common:events:control"
907             xmlns:cmn-typ="urn:wsdm:common:events:control:types"
908             xmlns:xsd="http://www.w3.org/2001/XMLSchema"
909             xmlns="http://schemas.xmlsoap.org/wsdl/">
910

```

```
911 <types>
912   <xsd:schema targetNamespace="urn:wsdm:common:events:control:types"
913             xmlns:cmn="urn:wsdm:common"
914             elementFormDefault="qualified">
915
916     <xsd:import namespace="urn:wsdm:common"
917               schemaLocation="../../schema/Common.xsd"/>
918
919     <xsd:element name="getEnabledEvents"/>
920
921     <xsd:element name="getEnabledEventsResponse">
922       <xsd:complexType>
923         <xsd:sequence>
924           <xsd:element name="arrayOfEventIdentifiers"
925                     type="cmn:ArrayOfEventIdentifiers"/>
926         </xsd:sequence>
927       </xsd:complexType>
928     </xsd:element>
929
930     <xsd:element name="PauseEvent">
931       <xsd:complexType>
932         <xsd:sequence>
933           <xsd:element name="eventIdentifier"
934                     type="cmn:EventIdentifier"/>
935         </xsd:sequence>
936       </xsd:complexType>
937     </xsd:element>
938
939     <xsd:element name="PauseEventResponse">
940       <xsd:complexType>
941         <xsd:sequence>
942           <xsd:element name="OK" type="xsd:boolean"/>
943         </xsd:sequence>
944       </xsd:complexType>
945     </xsd:element>
946
947     <xsd:element name="ResumeEvent">
948       <xsd:complexType>
949         <xsd:sequence>
950           <xsd:element name="eventIdentifier"
951                     type="cmn:EventIdentifier"/>
952         </xsd:sequence>
953       </xsd:complexType>
954     </xsd:element>
955
956     <xsd:element name="ResumeEventResponse">
957       <xsd:complexType>
958         <xsd:sequence>
959           <xsd:element name="OK" type="xsd:boolean"/>
960         </xsd:sequence>
961       </xsd:complexType>
962     </xsd:element>
963
964   </xsd:schema>
965 </types>
966
967 <message name="getEnabledEventsIn">
```

```

968     <part name="parameters" element="cmn-typ:getEnabledEvents" />
969 </message>
970
971 <message name="getEnabledEventsOut">
972     <part name="parameters" element="cmn-
973 typ:getEnabledEventsResponse" />
974 </message>
975
976 <message name="PauseEventIn">
977     <part name="parameters" element="cmn-typ:PauseEvent" />
978 </message>
979
980 <message name="PauseEventOut">
981     <part name="parameters" element="cmn-typ:PauseEventResponse" />
982 </message>
983
984 <message name="ResumeEventIn">
985     <part name="parameters" element="cmn-typ:ResumeEvent" />
986 </message>
987
988 <message name="ResumeEventOut">
989     <part name="parameters" element="cmn-typ:ResumeEventResponse" />
990 </message>
991
992 <portType name="EventsControl">
993
994     <operation name="getEnabledEvents">
995         <input message="cmn-ifs:getEnabledEventsIn" />
996         <output message="cmn-ifs:getEnabledEventsOut" />
997     </operation>
998
999     <operation name="PauseEvent">
1000         <input message="cmn-ifs:PauseEventIn" />
1001         <output message="cmn-ifs:PauseEventOut" />
1002     </operation>
1003
1004     <operation name="ResumeEvent">
1005         <input message="cmn-ifs:ResumeEventIn" />
1006         <output message="cmn-ifs:ResumeEventOut" />
1007     </operation>
1008
1009 </portType>
1010
1011 </definitions>
1012

```

1013

### 1.2.3 urn:wsdm:common:data:access

1014

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```

<definitions name="DataAccess"
  targetNamespace="urn:wsdm:common:data:access"
  xmlns:cmn-ifs="urn:wsdm:common:data:access"
  xmlns:cmn-typ="urn:wsdm:common:data:access:types"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns="http://schemas.xmlsoap.org/wsdl/">

```

```
1024 <types>
1025 <xsd:schema
1026     targetNamespace="urn:wsdm:common:data:access:types"
1027     elementFormDefault="qualified">
1028
1029 <xsd:element name="getProperty">
1030     <xsd:complexType>
1031     <xsd:sequence>
1032         <xsd:element name="property" type="xsd:QName"/>
1033     </xsd:sequence>
1034 </xsd:complexType>
1035 </xsd:element>
1036
1037 <xsd:element name="getPropertyResponse">
1038     <xsd:complexType>
1039     <xsd:sequence>
1040         <!-- instance documents must use
1041             xsi:type to qualify contents! -->
1042         <xsd:element name="propertyValue" type="xsd:anyType"/>
1043     </xsd:sequence>
1044 </xsd:complexType>
1045 </xsd:element>
1046
1047 <xsd:element name="setProperty">
1048     <xsd:complexType>
1049     <xsd:sequence>
1050         <xsd:element name="property" type="xsd:QName"/>
1051         <xsd:element name="propertyValue" type="xsd:anyType"/>
1052     </xsd:sequence>
1053 </xsd:complexType>
1054 </xsd:element>
1055
1056 <xsd:element name="setPropertyResponse">
1057     <xsd:complexType>
1058     <xsd:sequence>
1059         <xsd:element name="OK" type="xsd:boolean"/>
1060     </xsd:sequence>
1061 </xsd:complexType>
1062 </xsd:element>
1063
1064 </xsd:schema>
1065 </types>
1066
1067 <message name="getPropertyIn">
1068     <part name="parameters" element="cmn-typ:getProperty"/>
1069 </message>
1070
1071 <message name="getPropertyOut">
1072     <part name="parameters" element="cmn-typ:getPropertyResponse"/>
1073 </message>
1074
1075 <message name="setPropertyIn">
1076     <part name="parameters" element="cmn-typ:setProperty"/>
1077 </message>
1078
1079 <message name="setPropertyOut">
1080     <part name="parameters" element="cmn-typ:setPropertyResponse"/>
```

```

1081 </message>
1082
1083 <portType name="DataAccess">
1084
1085     <operation name="getProperty">
1086         <input message="cmn-ifs:getPropertyIn"/>
1087         <output message="cmn-ifs:getPropertyOut"/>
1088     </operation>
1089
1090     <operation name="setProperty">
1091         <input message="cmn-ifs:setPropertyIn"/>
1092         <output message="cmn-ifs:setPropertyOut"/>
1093     </operation>
1094
1095 </portType>
1096 </definitions>
1097

```

1098

## 1.2.4 urn:wsdm:common:identification:manageability

1099

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1136

```

<definitions
  name="ManageableIdentification"
  targetNamespace="urn:wsdm:common:identification:manageability"
  xmlns:idt-ifs="urn:wsdm:common:identification:manageability"
  xmlns:idt-typ="urn:wsdm:common:identification:manageability:types"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns="http://schemas.xmlsoap.org/wsdl/">
  <types>
  <xsd:schema
    targetNamespace="urn:wsdm:common:identification:manageability:types"
    xmlns:cmn="urn:wsdm:common"
    xmlns:cmn-idt="urn:wsdm:common:identification"
    elementFormDefault="qualified">
  <xsd:import
    namespace="urn:wsdm:common"
    schemaLocation="../../schema/Common.xsd"/>
  <xsd:import
    namespace="urn:wsdm:common:identification"
    schemaLocation="../../schema/ManageableIdentification.xsd"/>
  <xsd:element name="getIdentificationList"/>
  <xsd:element name="getIdentificationListResponse">
    <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="identificationList"
        type="cmn:ArrayOfProperties"/>
    </xsd:sequence>
  </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

```

1137 </types>
1138
1139 <message name="getIdentificationListIn">
1140   <part name="parameters" element="idt-typ:getIdentificationList"/>
1141 </message>
1142
1143 <message name="getIdentificationListOut">
1144   <part name="parameters" element="idt-
1145 typ:getIdentificationListResponse"/>
1146 </message>
1147
1148 <portType name="ManageableIdentification">
1149
1150   <operation name="getIdentificationList">
1151     <input message="idt-ifs:getIdentificationListIn" />
1152     <output message="idt-ifs:getIdentificationListOut" />
1153   </operation>
1154
1155 </portType>
1156 </definitions>
1157

```

1158

## 1159 1.2.5 urn:wsdm:webservice:endpoint:identification:manageability

1160

1161

```

1162 <definitions
1163   name="ManageableEndpointIdentificationData"
1164   targetNamespace=
1165     "urn:wsdm:webservice:endpoint:identification:manageability"
1166   xmlns:idt-ifs=
1167     "urn:wsdm:webservice:endpoint:identification:manageability"
1168   xmlns:idt-typ=
1169     "urn:wsdm:webservice:endpoint:identification:manageability:types"
1170   xmlns:xsd="http://www.w3.org/2001/XMLSchema"
1171   xmlns="http://schemas.xmlsoap.org/wsdl/">
1172
1173 <types>
1174 <xsd:schema
1175   targetNamespace=
1176     "urn:wsdm:webservice:endpoint:identification:manageability:types"
1177   xmlns:idt=
1178     "urn:wsdm:webservice:endpoint:identification"
1179   elementFormDefault="qualified">
1180
1181 <xsd:import
1182   namespace="urn:wsdm:webservice:endpoint:identification"
1183   schemaLocation="../../schema/ManageableEndpointIdentification.xsd"/>
1184
1185 <xsd:element name="getEndpointIdentification"/>
1186
1187 <xsd:element name="getEndpointIdentificationResponse">
1188   <xsd:complexType>
1189     <xsd:sequence>
1190       <xsd:element name="endpointIdentification"
1191         type="idt:EndpointIdentification"/>
1192     </xsd:sequence>

```

```

1193     </xsd:complexType>
1194 </xsd:element>
1195
1196 </xsd:schema>
1197 </types>
1198
1199 <message name="getEndpointIdentificationIn">
1200     <part name="parameters"
1201         element="idt-typ:getEndpointIdentification"/>
1202 </message>
1203
1204 <message name="getEndpointIdentificationOut">
1205     <part name="parameters"
1206         element="idt-typ:getEndpointIdentificationResponse"/>
1207 </message>
1208
1209 <portType name="ManageableEndpointIdentification">
1210
1211     <operation name="getEndpointIdentification">
1212         <input message="idt-ifs:getEndpointIdentificationIn" />
1213         <output message="idt-ifs:getEndpointIdentificationOut" />
1214     </operation>
1215
1216 </portType>
1217 </definitions>
1218
1219

```

## 1.2.6 urn:wsdm:common:metrics:manageability

```

1220
1221
1222
1223 <definitions
1224     name="ManageableMetrics"
1225     targetNamespace="urn:wsdm:common:metrics:manageability"
1226     xmlns:mtx-ifs="urn:wsdm:common:metrics:manageability"
1227     xmlns:mtx-typ="urn:wsdm:common:metrics:manageability:types"
1228     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
1229     xmlns="http://schemas.xmlsoap.org/wsdl/">
1230
1231 <types>
1232 <xsd:schema
1233     targetNamespace="urn:wsdm:common:metrics:manageability:types"
1234     xmlns:mtx="urn:wsdm:common:metrics"
1235     xmlns:cmn="urn:wsdm:common"
1236     elementFormDefault="qualified">
1237
1238 <xsd:import
1239     namespace="urn:wsdm:common"
1240     schemaLocation="../../../schema/Common.xsd"/>
1241
1242 <xsd:import
1243     namespace="urn:wsdm:common:metrics"
1244     schemaLocation="../../../schema/ManageableMetrics.xsd"/>
1245
1246 <xsd:element name="getMetricsList"/>
1247
1248 <xsd:element name="getMetricsListResponse">

```



```
1249     <xsd:complexType>
1250     <xsd:sequence>
1251         <xsd:element name="metricsList"
1252 type="cmn:ArrayOfProperties" />
1253     </xsd:sequence>
1254 </xsd:complexType>
1255 </xsd:element>
1256
1257 <xsd:element name="getActiveMetrics" />
1258
1259 <xsd:element name="getActiveMetricsResponse">
1260     <xsd:complexType>
1261     <xsd:sequence>
1262         <xsd:element name="activeMetrics"
1263 type="cmn:ArrayOfProperties" />
1264     </xsd:sequence>
1265 </xsd:complexType>
1266 </xsd:element>
1267
1268 <xsd:element name="getAvailableMetricEvents" />
1269
1270 <xsd:element name="getAvailableMetricEventsResponse">
1271     <xsd:complexType>
1272     <xsd:sequence>
1273         <xsd:element name="availableMetricEvents"
1274 type="cmn:ArrayOfProperties" />
1275     </xsd:sequence>
1276 </xsd:complexType>
1277 </xsd:element>
1278
1279 <xsd:element name="ControlMetricsCollection">
1280     <xsd:complexType>
1281     <xsd:sequence>
1282         <xsd:element name="metricOrMetricsGroup" type="xsd:QName" />
1283         <xsd:element name="set" type="cmn:OnOff" />
1284     </xsd:sequence>
1285 </xsd:complexType>
1286 </xsd:element>
1287
1288 <xsd:element name="ControlMetricsCollectionResponse">
1289     <xsd:complexType>
1290     <xsd:sequence>
1291         <xsd:element name="OK" type="xsd:boolean" />
1292     </xsd:sequence>
1293 </xsd:complexType>
1294 </xsd:element>
1295
1296 <xsd:element name="ResetMetricsGroup">
1297     <xsd:complexType>
1298     <xsd:sequence>
1299         <xsd:element name="metricsGroup" type="xsd:QName" />
1300     </xsd:sequence>
1301 </xsd:complexType>
1302 </xsd:element>
1303
1304 <xsd:element name="ResetMetricsGroupResponse">
1305     <xsd:complexType>
```

```
1306     <xsd:sequence>
1307         <xsd:element name="OK" type="xsd:boolean"/>
1308     </xsd:sequence>
1309 </xsd:complexType>
1310 </xsd:element>
1311
1312 </xsd:schema>
1313 </types>
1314
1315 <message name="getMetricsListIn">
1316     <part name="parameters" element="mtx-typ:getMetricsList"/>
1317 </message>
1318
1319 <message name="getMetricsListOut">
1320     <part name="parameters" element="mtx-typ:getMetricsListResponse"/>
1321 </message>
1322
1323 <message name="getActiveMetricsIn">
1324     <part name="parameters" element="mtx-typ:getActiveMetrics"/>
1325 </message>
1326
1327 <message name="getActiveMetricsOut">
1328     <part name="parameters" element="mtx-
1329 typ:getActiveMetricsResponse"/>
1330 </message>
1331
1332 <message name="getAvailableMetricEventsIn">
1333     <part name="parameters" element="mtx-
1334 typ:getAvailableMetricEvents"/>
1335 </message>
1336
1337 <message name="getAvailableMetricEventsOut">
1338     <part name="parameters" element="mtx-
1339 typ:getAvailableMetricEventsResponse"/>
1340 </message>
1341
1342 <message name="ControlMetricsCollectionIn">
1343     <part name="parameters" element="mtx-
1344 typ:ControlMetricsCollection"/>
1345 </message>
1346
1347 <message name="ControlMetricsCollectionOut">
1348     <part name="parameters" element="mtx-
1349 typ:ControlMetricsCollectionResponse"/>
1350 </message>
1351
1352 <message name="ResetMetricsGroupIn">
1353     <part name="parameters" element="mtx-typ:ResetMetricsGroup"/>
1354 </message>
1355
1356 <message name="ResetMetricsGroupOut">
1357     <part name="parameters" element="mtx-
1358 typ:ResetMetricsGroupResponse"/>
1359 </message>
1360
1361 <portType name="ManageableMetrics">
1362
```

```

1363     <operation name="getMetricsList">
1364         <input message="mtx-ifs:getMetricsListIn" />
1365         <output message="mtx-ifs:getMetricsListOut" />
1366     </operation>
1367
1368     <operation name="getActiveMetrics">
1369         <input message="mtx-ifs:getActiveMetricsIn" />
1370         <output message="mtx-ifs:getActiveMetricsOut" />
1371     </operation>
1372
1373     <operation name="getAvailableMetricEvents">
1374         <input message="mtx-ifs:getAvailableMetricEventsIn" />
1375         <output message="mtx-ifs:getAvailableMetricEventsOut" />
1376     </operation>
1377
1378     <operation name="ControlMetricsCollection">
1379         <input message="mtx-ifs:ControlMetricsCollectionIn" />
1380         <output message="mtx-ifs:ControlMetricsCollectionOut" />
1381     </operation>
1382
1383     <operation name="ResetMetricsGroup">
1384         <input message="mtx-ifs:ResetMetricsGroupIn" />
1385         <output message="mtx-ifs:ResetMetricsGroupOut" />
1386     </operation>
1387
1388 </portType>
1389 </definitions>
1390
1391

```

## 1.2.7 urn:wsdm:webservice:endpoint:metrics:manageability

```

1395 <definitions
1396     name="ManageableEndpointMetrics"
1397     targetNamespace=
1398         "urn:wsdm:webservice:endpoint:metrics:manageability"
1399     xmlns:mtx-ifs=
1400         "urn:wsdm:webservice:endpoint:metrics:manageability"
1401     xmlns:mtx-typ=
1402         "urn:wsdm:webservice:endpoint:metrics:manageability:types"
1403     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
1404     xmlns="http://schemas.xmlsoap.org/wsdl/">
1405
1406 <types>
1407 <xsd:schema
1408     targetNamespace=
1409         "urn:wsdm:webservice:endpoint:metrics:manageability:types"
1410     xmlns:mtx=
1411         "urn:wsdm:webservice:endpoint:metrics"
1412     elementFormDefault="qualified">
1413
1414 <xsd:import
1415     namespace="urn:wsdm:webservice:endpoint:metrics"
1416     schemaLocation="../../schema/ManageableEndpointMetrics.xsd"/>
1417
1418 <xsd:element name="getRequestCounters"/>

```

```

1419
1420 <xsd:element name="getRequestCountersResponse">
1421   <xsd:complexType>
1422     <xsd:sequence>
1423       <xsd:element name="requestCounters"
1424 type="mtx:RequestCounters" />
1425     </xsd:sequence>
1426   </xsd:complexType>
1427 </xsd:element>
1428
1429 </xsd:schema>
1430 </types>
1431
1432 <message name="getRequestCountersIn">
1433   <part name="parameters" element="mtx-typ:getRequestCounters" />
1434 </message>
1435
1436 <message name="getRequestCountersOut">
1437   <part name="parameters" element="mtx-
1438 typ:getRequestCountersResponse" />
1439 </message>
1440
1441 <portType name="ManageableEndpointMetrics">
1442
1443   <operation name="getRequestCounters">
1444     <input message="mtx-ifs:getRequestCountersIn" />
1445     <output message="mtx-ifs:getRequestCountersOut" />
1446   </operation>
1447
1448 </portType>
1449 </definitions>
1450

```

1451

## 1452 1.2.8 urn:wsdm:common:configuration:manageability

1453

1454

```

1455 <definitions
1456   name="ManageableConfiguration"
1457   targetNamespace=
1458     "urn:wsdm:common:configuration:manageability"
1459   xmlns:cfg-ifs=
1460     "urn:wsdm:common:configuration:manageability"
1461   xmlns:cfg-tyt=
1462     "urn:wsdm:common:configuration:manageability:types"
1463   xmlns:xsd="http://www.w3.org/2001/XMLSchema"
1464   xmlns="http://schemas.xmlsoap.org/wsdl/">
1465
1466 <types>
1467 <xsd:schema
1468   targetNamespace=
1469     "urn:wsdm:common:configuration:manageability:types"
1470   xmlns:cfg="urn:wsdm:common:configuration"
1471   xmlns:cmn="urn:wsdm:common"
1472   elementFormDefault="qualified">
1473
1474 <xsd:import

```

```
1475 namespace="urn:wsdm:common"
1476 schemaLocation="../../../schema/Common.xsd"/>
1477
1478 <xsd:import
1479 namespace="urn:wsdm:common:configuration"
1480 schemaLocation="../../../schema/ManageableConfiguration.xsd"/>
1481
1482 <xsd:element name="getConfigurationList"/>
1483
1484 <xsd:element name="getConfigurationListResponse">
1485 <xsd:complexType>
1486 <xsd:sequence>
1487 <xsd:element name="configurationList"
1488 type="cmn:ArrayOfProperties"/>
1489 </xsd:sequence>
1490 </xsd:complexType>
1491 </xsd:element>
1492
1493 <xsd:element name="getAvailableConfigurationEvents"/>
1494
1495 <xsd:element name="getAvailableConfigurationEventsResponse">
1496 <xsd:complexType>
1497 <xsd:sequence>
1498 <xsd:element name="availableConfigurationEvents"
1499 type="cmn:ArrayOfProperties"/>
1500 </xsd:sequence>
1501 </xsd:complexType>
1502 </xsd:element>
1503
1504 </xsd:schema>
1505 </types>
1506
1507 <message name="getConfigurationListIn">
1508 <part name="parameters" element="cfg-tyt:getConfigurationList"/>
1509 </message>
1510
1511 <message name="getConfigurationListOut">
1512 <part name="parameters" element="cfg-
1513 typ:getConfigurationListResponse"/>
1514 </message>
1515
1516 <message name="getAvailableConfigurationEventsIn">
1517 <part name="parameters" element="cfg-
1518 typ:getAvailableConfigurationEvents"/>
1519 </message>
1520
1521 <message name="getAvailableConfigurationEventsOut">
1522 <part name="parameters" element="cfg-
1523 typ:getAvailableConfigurationEventsResponse"/>
1524 </message>
1525
1526 <portType name="ManageableConfiguration">
1527
1528 <operation name="getConfigurationList">
1529 <input message="cfg-ifs:getConfigurationListIn" />
1530 <output message="cfg-ifs:getConfigurationListOut" />
1531 </operation>
```

```

1532
1533     <operation name="getAvailableConfigurationEvents">
1534         <input message="cfg-ifs:getAvailableConfigurationEventsIn" />
1535         <output message="cfg-ifs:getAvailableConfigurationEventsOut"
1536     />
1537     </operation>
1538
1539 </portType>
1540 </definitions>
1541
1542

```

## 1.2.9 urn:wsdm:webservice:endpoint:configuration:manageability

```

1546 <definitions
1547     name="ManageableEndpointConfiguration"
1548     targetNamespace=
1549         "urn:wsdm:webservice:endpoint:configuration:manageability"
1550     xmlns:cfg-ifs=
1551         "urn:wsdm:webservice:endpoint:configuration:manageability"
1552     xmlns:cfg-typ=
1553         "urn:wsdm:webservice:endpoint:configuration:manageability:types"
1554     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
1555     xmlns="http://schemas.xmlsoap.org/wsdl/">
1556
1557 <types>
1558 <xsd:schema
1559     targetNamespace=
1560         "urn:wsdm:webservice:endpoint:configuration:manageability:types"
1561     xmlns:cfg="urn:wsdm:webservice:endpoint:configuration"
1562     xmlns:cmn="urn:wsdm:common"
1563     elementFormDefault="qualified">
1564
1565 <xsd:import
1566     namespace="urn:wsdm:common"
1567     schemaLocation="../../schema/Common.xsd"/>
1568
1569 <xsd:import
1570     namespace="urn:wsdm:webservice:endpoint:configuration"
1571     schemaLocation="../../schema/ManageableEndpointConfiguration.xsd"/>
1572
1573 <xsd:element name="setEndpointConfiguration">
1574     <xsd:complexType>
1575     <xsd:sequence>
1576         <xsd:element name="endpointConfiguration"
1577     type="cfg:EndpointConfiguration"/>
1578     </xsd:sequence>
1579     </xsd:complexType>
1580 </xsd:element>
1581
1582 <xsd:element name="setEndpointConfigurationResponse">
1583     <xsd:complexType>
1584     <xsd:sequence>
1585         <xsd:element name="OK" type="xsd:boolean"/>
1586     </xsd:sequence>
1587 </xsd:complexType>

```

```
1588 </xsd:element>
1589
1590 <xsd:element name="getEndpointConfiguration" />
1591
1592 <xsd:element name="getEndpointConfigurationResponse">
1593   <xsd:complexType>
1594     <xsd:sequence>
1595       <xsd:element name="endpointConfiguration"
1596 type="cfg:EndpointConfiguration" />
1597     </xsd:sequence>
1598   </xsd:complexType>
1599 </xsd:element>
1600
1601 </xsd:schema>
1602 </types>
1603
1604 <message name="setEndpointConfigurationIn">
1605   <part name="parameters" element="cfg-
1606 typ:setEndpointConfiguration" />
1607 </message>
1608
1609 <message name="setEndpointConfigurationOut">
1610   <part name="parameters" element="cfg-
1611 typ:setEndpointConfigurationResponse" />
1612 </message>
1613
1614 <message name="getEndpointConfigurationIn">
1615   <part name="parameters" element="cfg-
1616 typ:getEndpointConfiguration" />
1617 </message>
1618
1619 <message name="getEndpointConfigurationOut">
1620   <part name="parameters" element="cfg-
1621 typ:getEndpointConfigurationResponse" />
1622 </message>
1623
1624 <portType name="ManageableEndpointConfiguration">
1625
1626   <operation name="getEndpointConfiguration">
1627     <input message="cfg-ifs:getEndpointConfigurationIn" />
1628     <output message="cfg-ifs:getEndpointConfigurationOut" />
1629   </operation>
1630
1631   <operation name="setEndpointConfiguration">
1632     <input message="cfg-ifs:setEndpointConfigurationIn" />
1633     <output message="cfg-ifs:setEndpointConfigurationOut" />
1634   </operation>
1635
1636 </portType>
1637 </definitions>
1638
```

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## 1640 1.2.10 urn:wsdm:common:state:manageability

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1643

```
<definitions
```

```
1644 name="ManageableEndpointState"
1645 targetNamespace="urn:wsdm:common:state:manageability"
1646 xmlns:stt-ifs="urn:wsdm:common:state:manageability"
1647 xmlns:stt-typ="urn:wsdm:common:state:manageability:types"
1648 xmlns:xsd="http://www.w3.org/2001/XMLSchema"
1649 xmlns="http://schemas.xmlsoap.org/wsdl/">
1650
1651 <types>
1652 <xsd:schema
1653   targetNamespace="urn:wsdm:common:state:manageability:types"
1654   xmlns:stt="urn:wsdm:common:state"
1655   xmlns:cmn="urn:wsdm:common"
1656   elementFormDefault="qualified">
1657
1658 <xsd:import
1659   namespace="urn:wsdm:common"
1660   schemaLocation="../../schema/Common.xsd"/>
1661
1662 <xsd:import
1663   namespace="urn:wsdm:common:state"
1664   schemaLocation="../../schema/ManageableState.xsd"/>
1665
1666 <xsd:element name="getCurrentLifecycleState"/>
1667
1668 <xsd:element name="getCurrentLifecycleStateResponse">
1669   <xsd:complexType>
1670     <xsd:sequence>
1671       <xsd:element name="currentLifecycleState"
1672 type="stt:CurrentState"/>
1673     </xsd:sequence>
1674   </xsd:complexType>
1675 </xsd:element>
1676
1677 <xsd:element name="getSupportedStates"/>
1678
1679 <xsd:element name="getSupportedStatesResponse">
1680   <xsd:complexType>
1681     <xsd:sequence>
1682       <xsd:element name="supportedStates"
1683 type="stt:ArrayOfStateIdentifiers"/>
1684     </xsd:sequence>
1685   </xsd:complexType>
1686 </xsd:element>
1687
1688 <xsd:element name="getStateList"/>
1689
1690 <xsd:element name="getStateListResponse">
1691   <xsd:complexType>
1692     <xsd:sequence>
1693       <xsd:element name="stateList" type="cmn:ArrayOfProperties"/>
1694     </xsd:sequence>
1695   </xsd:complexType>
1696 </xsd:element>
1697
1698 <xsd:element name="getAvailableLifecycleTransitionEvents"/>
1699
1700 <xsd:element name="getAvailableLifecycleTransitionEventsResponse">
```



```
1701     <xsd:complexType>
1702     <xsd:sequence>
1703         <xsd:element name="availableLifecycleTransitionEvents"
1704             type="stt:ArrayOfTransitionIdentifiers"/>
1705     </xsd:sequence>
1706 </xsd:complexType>
1707 </xsd:element>
1708
1709 </xsd:schema>
1710 </types>
1711
1712 <message name="getCurrentLifecycleStateIn">
1713     <part name="parameters" element="stt-
1714 typ:getCurrentLifecycleState"/>
1715 </message>
1716
1717 <message name="getCurrentLifecycleStateOut">
1718     <part name="parameters" element="stt-
1719 typ:getCurrentLifecycleStateResponse"/>
1720 </message>
1721
1722 <message name="getSupportedStatesIn">
1723     <part name="parameters" element="stt-typ:getSupportedStates"/>
1724 </message>
1725
1726 <message name="getSupportedStatesOut">
1727     <part name="parameters" element="stt-
1728 typ:getSupportedStatesResponse"/>
1729 </message>
1730
1731 <message name="getStateListIn">
1732     <part name="parameters" element="stt-typ:getStateList"/>
1733 </message>
1734
1735 <message name="getStateListOut">
1736     <part name="parameters" element="stt-typ:getStateListResponse"/>
1737 </message>
1738
1739 <message name="getAvailableLifecycleTransitionEventsIn">
1740     <part name="parameters" element="stt-
1741 typ:getAvailableLifecycleTransitionEvents"/>
1742 </message>
1743
1744 <message name="getAvailableLifecycleTransitionEventsOut">
1745     <part name="parameters" element="stt-
1746 typ:getAvailableLifecycleTransitionEventsResponse"/>
1747 </message>
1748
1749 <portType name="ManageableState">
1750
1751     <operation name="getCurrentLifecycleState">
1752         <input message="stt-ifs:getCurrentLifecycleStateIn" />
1753         <output message="stt-ifs:getCurrentLifecycleStateOut" />
1754     </operation>
1755
1756     <operation name="getSupportedStates">
1757         <input message="stt-ifs:getSupportedStatesIn" />
```

```

1758         <output message="stt-ifs:getSupportedStatesOut" />
1759     </operation>
1760
1761     <operation name="getStateList">
1762         <input message="stt-ifs:getStateListIn" />
1763         <output message="stt-ifs:getStateListOut" />
1764     </operation>
1765
1766     <operation name="getAvailableLifecycleTransitionEvents">
1767         <input message="stt-
1768 ifs:getAvailableLifecycleTransitionEventsIn" />
1769         <output message="stt-
1770 ifs:getAvailableLifecycleTransitionEventsOut" />
1771     </operation>
1772
1773 </portType>
1774 </definitions>
1775

```

1776

### 1.2.11 urn:wsdm:webservice:endpoint:state:manageability

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```

<definitions
1780 name="ManageableEndpointState"
1781 targetNamespace=
1782     "urn:wsdm:webservice:endpoint:state:manageability"
1783 xmlns:stt-ifs=
1784     "urn:wsdm:webservice:endpoint:state:manageability"
1785 xmlns:stt-typ=
1786     "urn:wsdm:webservice:endpoint:state:manageability:types"
1787 xmlns:xsd="http://www.w3.org/2001/XMLSchema"
1788 xmlns="http://schemas.xmlsoap.org/wsdl/">
1789
1790 <types>
1791 <xsd:schema
1792     targetNamespace=
1793         "urn:wsdm:webservice:endpoint:state:manageability:types"
1794     xmlns:cmn-stt="urn:wsdm:common:state"
1795     xmlns:stt="urn:wsdm:webservice:endpoint:state"
1796     xmlns:cmn="urn:wsdm:common"
1797     elementFormDefault="qualified">
1798
1799 <xsd:import
1800     namespace="urn:wsdm:common"
1801     schemaLocation="../../schema/Common.xsd"/>
1802
1803 <xsd:import
1804     namespace="urn:wsdm:common:state"
1805     schemaLocation="../../schema/ManageableState.xsd"/>
1806
1807 <xsd:import
1808     namespace="urn:wsdm:webservice:endpoint:state"
1809     schemaLocation="../../schema/ManageableEndpointState.xsd"/>
1810
1811 <xsd:element name="ControlRequestProcessingDataCollectors">
1812     <xsd:complexType>

```

```
1814     <xsd:sequence>
1815         <xsd:element name="transition"
1816             type="cmn-stt:TransitionIdentifier"/>
1817         <xsd:element name="dataCollectors"
1818             type="stt:DataCollectors"/>
1819     </xsd:sequence>
1820 </xsd:complexType>
1821 </xsd:element>
1822
1823 <xsd:element name="ControlRequestProcessingDataCollectorsResponse">
1824     <xsd:complexType>
1825     <xsd:sequence>
1826         <xsd:element name="OK" type="xsd:boolean"/>
1827     </xsd:sequence>
1828 </xsd:complexType>
1829 </xsd:element>
1830
1831 <xsd:element name="Enable"/>
1832
1833 <xsd:element name="EnableResponse">
1834     <xsd:complexType>
1835     <xsd:sequence>
1836         <xsd:element name="OK" type="xsd:boolean"/>
1837     </xsd:sequence>
1838 </xsd:complexType>
1839 </xsd:element>
1840
1841 <xsd:element name="Disable"/>
1842
1843 <xsd:element name="DisableResponse">
1844     <xsd:complexType>
1845     <xsd:sequence>
1846         <xsd:element name="OK" type="xsd:boolean"/>
1847     </xsd:sequence>
1848 </xsd:complexType>
1849 </xsd:element>
1850
1851 <xsd:element name="Shutdown"/>
1852
1853 <xsd:element name="ShutdownResponse">
1854     <xsd:complexType>
1855     <xsd:sequence>
1856         <xsd:element name="OK" type="xsd:boolean"/>
1857     </xsd:sequence>
1858 </xsd:complexType>
1859 </xsd:element>
1860
1861 <xsd:element name="getRequestProcessingTransitionSettings"/>
1862
1863 <xsd:element name="getRequestProcessingTransitionSettingsResponse">
1864     <xsd:complexType>
1865     <xsd:sequence>
1866         <xsd:element name="requestProcessingTransitionSettings"
1867             type="stt:ArrayOfRequestProcessingTransitionSettings"/>
1868     </xsd:sequence>
1869 </xsd:complexType>
1870 </xsd:element>
```

```
1871
1872 <xsd:element name="getAvailableRequestProcessingTransitionEvents"/>
1873
1874 <xsd:element
1875 name="getAvailableRequestProcessingTransitionEventsResponse">
1876   <xsd:complexType>
1877     <xsd:sequence>
1878       <xsd:element
1879 name="availableRequestProcessingTransitionEvents"
1880       type="cmn-stt:ArrayOfTransitionIdentifiers"/>
1881     </xsd:sequence>
1882   </xsd:complexType>
1883 </xsd:element>
1884
1885 </xsd:schema>
1886 </types>
1887
1888 <message name="getAvailableRequestProcessingTransitionEventsIn">
1889   <part name="parameters" element="stt-
1890 typ:getAvailableRequestProcessingTransitionEvents"/>
1891 </message>
1892
1893 <message name="getAvailableRequestProcessingTransitionEventsOut">
1894   <part name="parameters" element="stt-
1895 typ:getAvailableRequestProcessingTransitionEventsResponse"/>
1896 </message>
1897
1898 <message name="getRequestProcessingTransitionSettingsIn">
1899   <part name="parameters" element="stt-
1900 typ:getRequestProcessingTransitionSettings"/>
1901 </message>
1902
1903 <message name="getRequestProcessingTransitionSettingsOut">
1904   <part name="parameters" element="stt-
1905 typ:getRequestProcessingTransitionSettingsResponse"/>
1906 </message>
1907
1908 <message name="ControlRequestProcessingDataCollectorsIn">
1909   <part name="parameters" element="stt-
1910 typ:ControlRequestProcessingDataCollectors"/>
1911 </message>
1912
1913 <message name="ControlRequestProcessingDataCollectorsOut">
1914   <part name="parameters" element="stt-
1915 typ:ControlRequestProcessingDataCollectorsResponse"/>
1916 </message>
1917
1918 <message name="EnableIn">
1919   <part name="parameters" element="stt-typ:Enable"/>
1920 </message>
1921
1922 <message name="EnableOut">
1923   <part name="parameters" element="stt-typ:EnableResponse"/>
1924 </message>
1925
1926 <message name="DisableIn">
1927   <part name="parameters" element="stt-typ:Disable"/>
```

```
1928 </message>
1929
1930 <message name="DisableOut">
1931   <part name="parameters" element="stt-typ:DisableResponse"/>
1932 </message>
1933
1934 <message name="ShutdownIn">
1935   <part name="parameters" element="stt-typ:Shutdown"/>
1936 </message>
1937
1938 <message name="ShutdownOut">
1939   <part name="parameters" element="stt-typ:ShutdownResponse"/>
1940 </message>
1941
1942 <portType name="ManageableEndpointState">
1943
1944   <operation name="getAvailableRequestProcessingTransitionEvents">
1945     <input message="stt-
1946 ifs:getAvailableRequestProcessingTransitionEventsIn" />
1947     <output message="stt-
1948 ifs:getAvailableRequestProcessingTransitionEventsOut" />
1949   </operation>
1950
1951   <operation name="getRequestProcessingTransitionSettings">
1952     <input message="stt-
1953 ifs:getRequestProcessingTransitionSettingsIn" />
1954     <output message="stt-
1955 ifs:getRequestProcessingTransitionSettingsOut" />
1956   </operation>
1957
1958   <operation name="ControlRequestProcessingDataCollectors">
1959     <input message="stt-
1960 ifs:ControlRequestProcessingDataCollectorsIn" />
1961     <output message="stt-
1962 ifs:ControlRequestProcessingDataCollectorsOut" />
1963   </operation>
1964
1965   <operation name="Enable">
1966     <input message="stt-ifs:EnableIn" />
1967     <output message="stt-ifs:EnableOut" />
1968   </operation>
1969
1970   <operation name="Disable">
1971     <input message="stt-ifs:DisableIn" />
1972     <output message="stt-ifs:DisableOut" />
1973   </operation>
1974
1975   <operation name="Shutdown">
1976     <input message="stt-ifs:ShutdownIn" />
1977     <output message="stt-ifs:ShutdownOut" />
1978   </operation>
1979
1980 </portType>
1981 </definitions>
1982
1983
```

## 1984 1.2.12 urn:wsmr:common:relationships:manageability

```

1985
1986
1987 <definitions
1988   name="ManageableRelationships"
1989   targetNamespace="urn:wsmr:common:relationships:manageability"
1990   xmlns:rel-ifs="urn:wsmr:common:relationships:manageability"
1991   xmlns:rel-typ="urn:wsmr:common:relationships:manageability:types"
1992   xmlns:xsd="http://www.w3.org/2001/XMLSchema"
1993   xmlns="http://schemas.xmlsoap.org/wsdl/">
1994
1995 <types>
1996 <xsd:schema
1997   targetNamespace="urn:wsmr:common:relationships:manageability:types"
1998   xmlns:rel="urn:wsmr:common:relationships"
1999   xmlns:cmn="urn:wsdm:common"
2000   elementFormDefault="qualified">
2001
2002 <xsd:import
2003   namespace="urn:wsdm:common"
2004   schemaLocation="../../../schema/Common.xsd"/>
2005
2006 <xsd:import      namespace="urn:wsmr:common:relationships"
2007                schemaLocation="../../../schema/ManageableRelationships.xsd"/>
2008
2009 <xsd:element name="getRelationships"/>
2010
2011 <xsd:element name="getRelationshipsResponse">
2012   <xsd:complexType>
2013     <xsd:sequence>
2014       <xsd:element name="relationships"
2015                 type="rel:ArrayOfRelationships"/>
2016     </xsd:sequence>
2017   </xsd:complexType>
2018 </xsd:element>
2019
2020 <xsd:element name="getAvailableRelationships"/>
2021
2022 <xsd:element name="getAvailableRelationshipsResponse">
2023   <xsd:complexType>
2024     <xsd:sequence>
2025       <xsd:element name="availableRelationships"
2026                 type="rel:ArrayOfAnyRelationshipTypes"/>
2027     </xsd:sequence>
2028   </xsd:complexType>
2029 </xsd:element>
2030
2031 <xsd:element name="getAvailableRelationshipEvents"/>
2032
2033 <xsd:element name="getAvailableRelationshipEventsResponse">
2034   <xsd:complexType>
2035     <xsd:sequence>
2036       <xsd:element name="availableRelationshipEvents"
2037                 type="cmn:ArrayOfEventIdentifiers"/>
2038     </xsd:sequence>
2039   </xsd:complexType>

```

```
2040 </xsd:element>
2041
2042 <xsd:element name="QueryRelationships">
2043   <xsd:complexType>
2044     <xsd:sequence>
2045       <xsd:element name="query" type="rel:RelationshipQuery"/>
2046     </xsd:sequence>
2047   </xsd:complexType>
2048 </xsd:element>
2049
2050 <xsd:element name="QueryRelationshipsResponse">
2051   <xsd:complexType>
2052     <xsd:sequence>
2053       <xsd:element name="relationships"
2054 type="rel:ArrayOfRelationships"/>
2055     </xsd:sequence>
2056   </xsd:complexType>
2057 </xsd:element>
2058
2059 </xsd:schema>
2060 </types>
2061
2062 <message name="getRelationshipsIn">
2063   <part name="parameters" element="rel-typ:getRelationships"/>
2064 </message>
2065
2066 <message name="getRelationshipsOut">
2067   <part name="parameters" element="rel-
2068 typ:getRelationshipsResponse"/>
2069 </message>
2070
2071 <message name="getAvailableRelationshipsIn">
2072   <part name="parameters" element="rel-
2073 typ:getAvailableRelationships"/>
2074 </message>
2075
2076 <message name="getAvailableRelationshipsOut">
2077   <part name="parameters" element="rel-
2078 typ:getAvailableRelationshipsResponse"/>
2079 </message>
2080
2081 <message name="getAvailableRelationshipEventsIn">
2082   <part name="parameters" element="rel-
2083 typ:getAvailableRelationshipEvents"/>
2084 </message>
2085
2086 <message name="getAvailableRelationshipEventsOut">
2087   <part name="parameters" element="rel-
2088 typ:getAvailableRelationshipEventsResponse"/>
2089 </message>
2090
2091 <message name="QueryRelationshipsIn">
2092   <part name="parameters" element="rel-typ:QueryRelationships"/>
2093 </message>
2094
2095 <message name="QueryRelationshipsOut">
```

```

2096     <part name="parameters" element="rel-
2097 typ:QueryRelationshipsResponse" />
2098 </message>
2099
2100 <portType name="ManageableRelationships">
2101
2102     <operation name="getRelationships">
2103         <input message="rel-ifs:getRelationshipsIn" />
2104         <output message="rel-ifs:getRelationshipsOut" />
2105     </operation>
2106
2107     <operation name="getAvailableRelationships">
2108         <input message="rel-ifs:getAvailableRelationshipsIn" />
2109         <output message="rel-ifs:getAvailableRelationshipsOut" />
2110     </operation>
2111
2112     <operation name="getAvailableRelationshipEvents">
2113         <input message="rel-ifs:getAvailableRelationshipEventsIn" />
2114         <output message="rel-ifs:getAvailableRelationshipEventsOut"
2115 />
2116     </operation>
2117
2118     <operation name="QueryRelationships">
2119         <input message="rel-ifs:QueryRelationshipsIn" />
2120         <output message="rel-ifs:QueryRelationshipsOut" />
2121     </operation>
2122
2123 </portType>
2124 </definitions>
2125

```

### 1.2.13 urn:wsmr:webservice:endpoint:relationships:manageability

```

2126
2127
2128
2129
2130
2131 <definitions
2132 name="ManageableEndpointRelationships"
2133 targetNamespace=
2134     "urn:wsmr:webservice:endpoint:relationships:manageability"
2135 xmlns:rel-ifs=
2136     "urn:wsmr:webservice:endpoint:relationships:manageability"
2137 xmlns:rel-typ=
2138     "urn:wsmr:webservice:endpoint:relationships:manageability:types"
2139 xmlns:xsd="http://www.w3.org/2001/XMLSchema"
2140 xmlns="http://schemas.xmlsoap.org/wsdl/">
2141
2142 <types>
2143 <xsd:schema
2144 targetNamespace=
2145     "urn:wsmr:webservice:endpoint:relationships:manageability:types"
2146 xmlns:rel="urn:wsmr:webservice:endpoint:relationships"
2147 elementFormDefault="qualified">
2148
2149 <xsd:import
2150 namespace="urn:wsmr:webservice:endpoint:relationships"
2151 schemaLocation="../../schema/ManageableEndpointRelationships.xsd"/>

```



```

2152
2153 </xsd:schema>
2154 </types>
2155
2156 </definitions>
2157
2158

```

## 2159 **1.3 GWSDL**

2160

### 2161 **1.3.1 urn:wsdm:common:events:control:grid**

2162

2163

```

2164 <definitions name="EventsControl"
2165     targetNamespace="urn:wsdm:common:events:control:grid"
2166     tns="urn:wsdm:common:events:control:grid"
2167     xmlns:cmn-ifs="urn:wsdm:common:events:control"
2168     xmlns:cmn-typ="urn:wsdm:common:events:control:types"
2169     xmlns:tns-typ="urn:wsdm:common:events:control:grid:types"
2170     xmlns:cmn="urn:wsdm:common"
2171

```

```

2172 xmlns:ogsi="http://www.gridforum.org/namespaces/2003/03/OGSI"
2173

```

```

2174 xmlns:gwsdl="http://www.gridforum.org/namespaces/2003/03/gridWSDLExtensions"
2175

```

2176

```

2177 xmlns:sd="http://www.gridforum.org/namespaces/2003/03/serviceData"
2178     xmlns:crm="http://www.gridforum.org/namespaces/2003/17/crm"
2179     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
2180     xmlns="http://schemas.xmlsoap.org/wsdl/">
2181

```

2181

```

2182 <import
2183     namespace="urn:wsdm:common:events:control"
2184     location="CommonEventsControl.wsdl"/>
2185

```

2186 <types>

```

2187     <xsd:schema
2188         targetNamespace="urn:wsdm:common:events:control:grid:types"
2189         elementFormDefault="qualified">
2190

```

2190

```

2191         <xsd:import namespace="urn:wsdm:common"
2192             schemaLocation="../../schema/Common.xsd"/>
2193

```

2193

```

2194     </xsd:schema>
2195 </types>
2196

```

2196

```

2197 <gwsdl:portType name="EventsControl" crm:version="1.1.0">
2198

```

2198

```

2199     <sd:serviceData name="enabledEvents"
2200         type="cmn:ArrayOfEventIdentifiers"
2201         crm:valid="up down"
2202         minOccurs="0"
2203         maxOccurs="1"
2204         mutability="mutable">
2205

```

2205

```

<sd:documentation>

```

```

2206         <![CDATA[
2207             identifiers of events that are enabled for
2208 emmission.
2209         ]]>
2210     </sd:documentation>
2211 </sd:serviceData>
2212
2213     <operation name="getEnabledEvents">
2214         <input message="cmn-ifs:getEnabledEventsIn"/>
2215         <output message="cmn-ifs:getEnabledEventsOut"/>
2216     </operation>
2217
2218     <operation name="PauseEvent">
2219         <input message="cmn-ifs:PauseEventIn"/>
2220         <output message="cmn-ifs:PauseEventOut"/>
2221     </operation>
2222
2223     <operation name="ResumeEvent">
2224         <input message="cmn-ifs:ResumeEventIn"/>
2225         <output message="cmn-ifs:ResumeEventOut"/>
2226     </operation>
2227
2228 </gwsdl:portType>
2229
2230 </definitions>
2231
2232

```

### 1.3.2 urn:wsdm:common:identification:manageability:grid

```

2233
2234
2235
2236 <definitions
2237     name="ManageableIdentification"
2238     targetNamespace="urn:wsdm:common:identification:manageability:grid"
2239     xmlns:tns="urn:wsdm:common:identification:manageability:grid"
2240     xmlns:idt-ifs="urn:wsdm:common:identification:manageability"
2241     xmlns:idt-typ="urn:wsdm:common:identification:manageability:types"
2242     xmlns:tns-typ="urn:wsdm:common:identification:manageability:grid:types"
2243     xmlns:cmn="urn:wsdm:common"
2244     xmlns:cmn-ids="urn:wsdm:common:identification"
2245     xmlns:ogsi="http://www.gridforum.org/namespaces/2003/03/OGSI"
2246
2247     xmlns:gwsdl="http://www.gridforum.org/namespaces/2003/03/gridWSDLExtensions"
2248
2249     xmlns:sd="http://www.gridforum.org/namespaces/2003/03/serviceData"
2250     xmlns:crm="http://www.gridforum.org/namespaces/2003/17/crm"
2251     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
2252     xmlns="http://schemas.xmlsoap.org/wsdl/">
2253
2254     <import
2255         namespace="urn:wsdm:common:identification:manageability"
2256         location="ManageableIdentification.wsdl"/>
2257
2258     <types>
2259     <xsd:schema
2260
2261     targetNamespace="urn:wsdm:common:identification:manageability:grid:types"

```

```

2262     elementFormDefault="qualified">
2263
2264 <xsd:import
2265   namespace="urn:wsdm:common"
2266   schemaLocation="../../schema/Common.xsd"/>
2267
2268 <xsd:import
2269   namespace="urn:wsdm:common:identification"
2270   schemaLocation="../../schema/ManageableIdentification.xsd"/>
2271
2272 </xsd:schema>
2273 </types>
2274
2275 <gwsdl:portType name="ManageableIdentification" crm:version="1.1.0">
2276
2277   <sd:serviceData   name="identificationList"
2278                     type="cmn:ArrayOfProperties"
2279                     crm:valid="down up "
2280                     minOccurs="1"
2281                     mutability="static">
2282     <sd:documentation>
2283       <![CDATA[
2284         The QNames of the identification properties for a
2285 service.
2286       ]]>
2287     </sd:documentation>
2288   </sd:serviceData>
2289
2290   <operation name="getIdentificationList">
2291     <input message="idt-ifs:getIdentificationListIn" />
2292     <output message="idt-ifs:getIdentificationListOut" />
2293   </operation>
2294
2295 </gwsdl:portType>
2296 </definitions>
2297
2298

```

### 1.3.3 urn:wsdm:webservice:endpoint:identification:manageability:grid

```

2300
2301
2302 <definitions
2303   name="ManageableEndpointIdentificationData"
2304   targetNamespace=
2305     "urn:wsdm:webservice:endpoint:identification:manageability:grid"
2306   xmlns:tns=
2307     "urn:wsdm:webservice:endpoint:identification:manageability:grid"
2308   xmlns:cmn-ifs="urn:wsdm:common:identification:manageability:grid"
2309   xmlns:ifs=
2310     "urn:wsdm:webservice:endpoint:identification:manageability"
2311   xmlns:typ=
2312     "urn:wsdm:webservice:endpoint:identification:manageability:types"
2313   xmlns:tns-typ=
2314     "urn:wsdm:webservice:endpoint:identification:manageability:grid:typ
2315 es"
2316   xmlns:cmn="urn:wsdm:common"
2317

```

```

2318   xmlns:idt="urn:wsdm:webservice:endpoint:identification"
2319   xmlns:ogsi="http://www.gridforum.org/namespaces/2003/03/OGSI"
2320
2321   xmlns:gwsdl="http://www.gridforum.org/namespaces/2003/03/gridWSDLExtensions"
2322
2323   xmlns:sd="http://www.gridforum.org/namespaces/2003/03/serviceData"
2324   xmlns:crm="http://www.gridforum.org/namespaces/2003/17/crm"
2325   xmlns:xsd="http://www.w3.org/2001/XMLSchema"
2326   xmlns="http://schemas.xmlsoap.org/wsdl/">
2327
2328   <xsd:import
2329     namespace="urn:wsdm:common:identification:manageability:grid"
2330     location="ManageableIdentification.gwsdl"/>
2331
2332   <xsd:import
2333     namespace="urn:wsdm:webservice:endpoint:identification:manageability"
2334     location="ManageableEndpointIdentification.wsdl"/>
2335
2336   <types>
2337   <xsd:schema
2338     targetNamespace=
2339       "urn:wsdm:webservice:endpoint:identification:manageability:types"
2340     elementFormDefault="qualified">
2341
2342   <xsd:import
2343     namespace="urn:wsdm:webservice:endpoint:identification"
2344     schemaLocation="../../schema/ManageableEndpointIdentification.xsd"/>
2345
2346 </xsd:schema>
2347 </types>
2348
2349 <gwsdl:portType name="ManageableEndpointIdentification"
2350 crm:version="1.1.0"
2351     extends="cmn-idt-ifs:ManageableIdentification">
2352   <sd:serviceData name="endpointIdentification"
2353     type="idt:EndpointIdentification"
2354     crm:valid="down up "
2355     minOccurs="1"
2356     maxOccurs="1"
2357     mutability="constant">
2358     <sd:documentation>
2359       <![CDATA[
2360         Identification data of the managed service - a
2361         complex type which includes a
2362         uri identifier, name, version, and semantics
2363         identifier.
2364       ]]>
2365     </sd:documentation>
2366   </sd:serviceData>
2367
2368   <sd:serviceDataValues>
2369     <crm:identityProperty>/gwsdl:serviceData[@name="idt-
2370     ifs:endpointIdentification"]</crm:identityProperty>
2371     <cmn-idt-ifs:identificationList>
2372       <cmn:property>tns:endpointIdentification</cmn:property>
2373     </cmn-idt-ifs:identificationList>
2374   </sd:serviceDataValues>

```

```

2375
2376     <operation name="getEndpointIdentification">
2377         <input message="idt-ifs:getEndpointIdentificationIn" />
2378         <output message="idt-ifs:getEndpointIdentificationOut" />
2379     </operation>
2380
2381 </gwsdl:portType>
2382 </definitions>
2383
2384

```

### 1.3.4 urn:wsdm:common:metrics:manageability:grid

```

2388 <definitions
2389     name="ManageableMetrics"
2390     targetNamespace="urn:wsdm:common:metrics:manageability:grid"
2391     xmlns:tns="urn:wsdm:common:metrics:manageability:grid"
2392     xmlns:mtx-ifs="urn:wsdm:common:metrics:manageability"
2393     xmlns:mtx-typ="urn:wsdm:common:metrics:manageability:types"
2394     xmlns:tns-typ="urn:wsdm:common:metrics:manageability:grid:types"
2395     xmlns:mtx="urn:wsdm:common:metrics"
2396     xmlns:cmn="urn:wsdm:common"
2397     xmlns:ogsi="http://www.gridforum.org/namespaces/2003/03/OGSI"
2398
2399     xmlns:gwsdl="http://www.gridforum.org/namespaces/2003/03/gridWSDLExtensions"
2400
2401     xmlns:sd="http://www.gridforum.org/namespaces/2003/03/serviceData"
2402     xmlns:crm="http://www.gridforum.org/namespaces/2003/17/crm"
2403     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
2404     xmlns="http://schemas.xmlsoap.org/wsdl/">
2405
2406     <import
2407         namespace="urn:wsdm:common:metrics:manageability"
2408         location="ManageableMetrics.wsdl"/>
2409
2410     <types>
2411     <xsd:schema
2412         targetNamespace="urn:wsdm:common:metrics:manageability:grid:types"
2413         elementFormDefault="qualified">
2414
2415     <xsd:import
2416         namespace="urn:wsdm:common"
2417         schemaLocation="../../../schema/Common.xsd"/>
2418
2419     <xsd:import
2420         namespace="urn:wsdm:common:metrics"
2421         schemaLocation="../../../schema/ManageableMetrics.xsd"/>
2422
2423     </xsd:schema>
2424     </types>
2425
2426     <gwsdl:portType name="ManageableMetrics" crm:version="1.1.0" >
2427
2428         <sd:serviceData     name="metricsList"
2429                             type="cmn:ArrayOfProperties"
2430                             crm:valid="up down"

```

```

2431         minOccurs="0"
2432         maxOccurs="1"
2433         mutability="static">
2434     <sd:documentation>
2435     <![CDATA[
2436         QNames of metric properties of a managed Web
2437 service endpoint.
2438     ]]>
2439     </sd:documentation>
2440 </sd:serviceData>
2441
2442     <sd:serviceData name="availableMetricEvents"
2443         type="cmn:ArrayOfProperties"
2444         crm:valid="up down"
2445         minOccurs="0"
2446         maxOccurs="1"
2447         mutability="static">
2448     <sd:documentation>
2449     <![CDATA[
2450         QNames of metric propters for which
2451 events will be emitted.
2452     ]]>
2453     </sd:documentation>
2454 </sd:serviceData>
2455
2456     <sd:serviceData name="activeMetrics"
2457         type="cmn:ArrayOfProperties"
2458         crm:valid="up"
2459         minOccurs="0"
2460         maxOccurs="1"
2461         mutability="mutable"
2462         modifiable="true">
2463     <sd:documentation>
2464     <![CDATA[
2465         QNames of metrics currently being
2466 collected.
2467     ]]>
2468     </sd:documentation>
2469 </sd:serviceData>
2470
2471     <operation name="getMetricsList">
2472         <input message="mtx-ifs:getMetricsListIn" />
2473         <output message="mtx-ifs:getMetricsListOut" />
2474     </operation>
2475
2476     <operation name="getActiveMetrics">
2477         <input message="mtx-ifs:getActiveMetricsIn" />
2478         <output message="mtx-ifs:getActiveMetricsOut" />
2479     </operation>
2480
2481     <operation name="getAvailableMetricEvents">
2482         <input message="mtx-ifs:getAvailableMetricEventsIn" />
2483         <output message="mtx-ifs:getAvailableMetricEventsOut" />
2484     </operation>
2485
2486     <operation name="ControlMetricsCollection">
2487         <input message="mtx-ifs:ControlMetricsCollectionIn" />

```

```

2488         <output message="mtx-ifs:ControlMetricsCollectionOut" />
2489     </operation>
2490
2491     <operation name="ResetMetricsGroup">
2492         <input message="mtx-ifs:ResetMetricsGroupIn" />
2493         <output message="mtx-ifs:ResetMetricsGroupOut" />
2494     </operation>
2495
2496 </gwsdl:portType>
2497 </definitions>
2498
2499

```

### 1.3.5 urn:wsdm:webservice:endpoint:metrics:manageability:grid

```

2500
2501
2502
2503 <definitions
2504     name="ManageableEndpointMetrics"
2505     targetNamespace=
2506         "urn:wsdm:webservice:endpoint:metrics:manageability:grid"
2507     xmlns:tns=
2508         "urn:wsdm:webservice:endpoint:metrics:manageability:grid"
2509     xmlns:cmn-mtx-ifs="urn:wsdm:common:metrics:manageability:grid"
2510     xmlns:mtx-ifs=
2511         "urn:wsdm:webservice:endpoint:metrics:manageability"
2512     xmlns:mtx-typ=
2513         "urn:wsdm:webservice:endpoint:metrics:manageability:types"
2514     xmlns:tns-typ=
2515         "urn:wsdm:webservice:endpoint:metrics:manageability:grid:types"
2516     xmlns:cmn="urn:wsdm:common"
2517     xmlns:mtx="urn:wsdm:webservice:endpoint:metrics"
2518     xmlns:ogsi="http://www.gridforum.org/namespaces/2003/03/OGSI"
2519
2520     xmlns:gwsdl="http://www.gridforum.org/namespaces/2003/03/gridWSDLExtensions"
2521
2522     xmlns:sd="http://www.gridforum.org/namespaces/2003/03/serviceData"
2523     xmlns:crm="http://www.gridforum.org/namespaces/2003/17/crm"
2524     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
2525     xmlns="http://schemas.xmlsoap.org/wsdl/">
2526
2527     <import
2528         namespace="urn:wsdm:common:metrics:manageability:grid"
2529         location="ManageableMetrics.gwsdl"/>
2530
2531     <import
2532         namespace="urn:webservices:endpoint:metrics:manageability"
2533         location="ManageableEndpointMetrics.wsdl"/>
2534
2535     <types>
2536     <xsd:schema
2537         targetNamespace=
2538             "urn:wsdm:webservice:endpoint:metrics:manageability:grid:types"
2539         elementFormDefault="qualified">
2540
2541     <xsd:import
2542         namespace="urn:wsdm:webservice:endpoint:metrics"
2543         schemaLocation="../../../schema/ManageableEndpointMetrics.xsd"/>

```

```

2544
2545 </xsd:schema>
2546 </types>
2547
2548 <gwsdl:portType name="ManageableEndpointMetrics" crm:version="1.1.0"
2549     extends="cmn-mtx-ifs:ManageableMetrics" >
2550
2551
2552     <sd:serviceData name="requestCounters"
2553         type="mtx:RequestCounters"
2554         crm:valid="up"
2555         minOccurs="1"
2556         maxOccurs="1"
2557         mutability="mutable">
2558         <sd:documentation>
2559             <![CDATA[
2560                 counters for request processing by managed Web
2561 service endpoint.
2562             ]]>
2563         </sd:documentation>
2564     </sd:serviceData>
2565
2566     <sd:serviceDataValues>
2567         <cmn-mtx-ifs:metricsList>
2568             <cmn:property>tns:requestCounters</cmn:property>
2569         </cmn-mtx-ifs:metricsList>
2570         <cmn-mtx-ifs:availableMetricsEvents>
2571             <cmn:property>tns:requestCounters</cmn:property>
2572         </cmn-mtx-ifs:availableMetricsEvents>
2573         <cmn-mtx-ifs:activeMetrics>
2574             <cmn:property>tns:requestCounters</cmn:property>
2575         </cmn-mtx-ifs:activeMetrics>
2576     </sd:serviceDataValues>
2577
2578     <operation name="getRequestCounters">
2579         <input message="mtx-ifs:getRequestCountersIn" />
2580         <output message="mtx-ifs:getRequestCountersOut" />
2581     </operation>
2582
2583 </gwsdl:portType>
2584 </definitions>
2585
2586

```

### 1.3.6 urn:wsdm:common:configuration:manageability:grid

```

2587
2588
2589
2590 <definitions
2591     name="ManageableConfiguration"
2592     targetNamespace=
2593         "urn:wsdm:common:configuration:manageability:grid"
2594     xmlns:tns=
2595         "urn:wsdm:common:configuration:manageability:grid"
2596     xmlns:cfg-ifs=
2597         "urn:wsdm:common:configuration:manageability"
2598     xmlns:cfg-typ=
2599         "urn:wsdm:common:configuration:manageability:types"

```



```

2600   xmlns:tns-ty=
2601       "urn:wsdm:common:configuration:manageability:grid:types"
2602   xmlns:cfg="urn:wsdm:common:configuration"
2603   xmlns:cmn="urn:wsdm:common"
2604   xmlns:ogsi="http://www.gridforum.org/namespaces/2003/03/OGSI"
2605
2606   xmlns:gwsdl="http://www.gridforum.org/namespaces/2003/03/gridWSDLExtensi
2607   ons"
2608   xmlns:sd="http://www.gridforum.org/namespaces/2003/03/serviceData"
2609   xmlns:crm="http://www.gridforum.org/namespaces/2003/17/crm"
2610   xmlns:xsd="http://www.w3.org/2001/XMLSchema"
2611   xmlns="http://schemas.xmlsoap.org/wsdl/">
2612
2613   <import
2614       namespace="urn:wsdm:common:configuration:manageability"
2615       location="ManageableConfiguration.wsdl"/>
2616
2617   <types>
2618   <xsd:schema
2619       targetNamespace=
2620           "urn:wsdm:common:configuration:manageability:grid:types"
2621       elementFormDefault="qualified">
2622
2623   <xsd:import
2624       namespace="urn:wsdm:common"
2625       schemaLocation="../../../schema/Common.xsd"/>
2626
2627   <xsd:import
2628       namespace="urn:wsdm:common:configuration"
2629       schemaLocation="../../../schema/ManageableConfiguration.xsd"/>
2630
2631   </xsd:schema>
2632   </types>
2633
2634   <gwsdl:portType name="ManageableConfiguration" crm:version="1.1.0" >
2635
2636       <sd:serviceData name="configurationList"
2637           type="cmn:ArrayOfProperties"
2638           minOccurs="0" maxOccurs="1"
2639           mutability="static"
2640           crm:valid="up down "
2641           crm:volatile="0">
2642           <wsdl:documentation>
2643               <![CDATA[
2644                   The QNames of the configuration properties of a managed
2645   service.
2646               ]]>
2647           </wsdl:documentation>
2648       </sd:serviceData>
2649
2650
2651       <sd:serviceData name="availableConfigurationEvents"
2652           type="cmn:ArrayOfProperties"
2653           minOccurs="0" maxOccurs="1"
2654           mutability="static"
2655           crm:valid="up"
2656           crm:volatile="0">

```

```

2657         <wsdl:documentation>
2658             <![CDATA[
2659                 The QNames of the configuration properties for which
2660 property change events emission is supported.
2661             ]]>
2662         </wsdl:documentation>
2663     </sd:serviceData>
2664
2665     <operation name="getConfigurationList">
2666         <input message="cfg-ifs:getConfigurationListIn" />
2667         <output message="cfg-ifs:getConfigurationListOut" />
2668     </operation>
2669
2670     <operation name="getAvailableConfigurationEvents">
2671         <input message="cfg-ifs:getAvailableConfigurationEventsIn" />
2672         <output message="cfg-ifs:getAvailableConfigurationEventsOut"
2673 />
2674     </operation>
2675
2676 </gwsdl:portType>
2677 </definitions>
2678
2679

```

### 1.3.7 urn:wsdm:webservice:endpoint:configuration:manageability:grid

```

2680
2681
2682
2683 <definitions
2684     name="ManageableEndpointConfiguration"
2685     targetNamespace=
2686         "urn:wsdm:webservice:endpoint:configuration:manageability:grid"
2687
2688     xmlns:tns="urn:wsdm:webservice:endpoint:configuration:manageability:grid"
2689     xmlns:cmn-cfg-ifs="urn:wsdm:common:configuration:manageability:grid"
2690     xmlns:cfg-ifs=
2691         "urn:wsdm:webservice:endpoint:configuration:manageability"
2692     xmlns:cfg-typ=
2693         "urn:wsdm:webservice:endpoint:configuration:manageability:types"
2694     xmlns:tns-typ=
2695
2696         "urn:wsdm:webservice:endpoint:configuration:manageability:grid:types"
2697
2698     xmlns:cfg="urn:wsdm:webservice:endpoint:configuration"
2699     xmlns:cmn="urn:wsdm:common"
2700     xmlns:ogsi="http://www.gridforum.org/namespaces/2003/03/OGSI"
2701
2702     xmlns:gwsdl="http://www.gridforum.org/namespaces/2003/03/gridWSDLExtensions"
2703
2704     xmlns:sd="http://www.gridforum.org/namespaces/2003/03/serviceData"
2705     xmlns:crm="http://www.gridforum.org/namespaces/2003/17/crm"
2706     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
2707     xmlns="http://schemas.xmlsoap.org/wsdl/">
2708
2709 <import
2710     namespace="urn:wsdm:webservice:endpoint:configuration:manageability"
2711     location="ManageableEndpointConfiguration.wsdl"/>
2712

```

```
2713 <import
2714   namespace="urn:wsdm:common:configuration:manageability:grid"
2715   location="ManageableConfiguration.gwsdl"/>
2716
2717 <types>
2718 <xsd:schema
2719   targetNamespace=
2720
2721     "urn:wsdm:webservice:endpoint:configuration:manageability:grid:types"
2722   elementFormDefault="qualified">
2723
2724
2725 <xsd:import
2726   namespace="urn:wsdm:common"
2727   schemaLocation="../../schema/Common.xsd"/>
2728
2729 <xsd:import
2730   namespace="urn:wsdm:webservice:endpoint:configuration"
2731   schemaLocation="../../schema/ManageableEndpointConfiguration.xsd"/>
2732
2733 </xsd:schema>
2734 </types>
2735
2736 <gwsdl:portType name="ManageableEndpointConfiguration"
2737   crm:version="1.1.0"
2738     extends="cmn-cfg-ifs:ManageableConfiguration">
2739
2740   <sd:serviceData name="endpointConfiguration"
2741     type="cfg:EndpointConfiguration"
2742     minOccurs="0" maxOccurs="1"
2743     mutability="mutable"
2744     modifiable="true"
2745     crm:valid="up down "
2746     crm:volatile="1">
2747     <wsdl:documentation>
2748     <![CDATA[
2749       The configuration for the managed Web service endpoint.
2750     ]]>
2751     </wsdl:documentation>
2752   </sd:serviceData>
2753
2754   <sd:serviceDataValues>
2755     <cmn-cfg-ifs:configurationList>
2756     <cmn:property>tns:endpointConfiguration</cmn:property>
2757     </cmn-cfg-ifs:configurationList>
2758   </sd:serviceDataValues>
2759
2760   <operation name="getEndpointConfiguration">
2761     <input message="cfg-ifs:getEndpointConfigurationIn" />
2762     <output message="cfg-ifs:getEndpointConfigurationOut" />
2763   </operation>
2764
2765   <operation name="setEndpointConfiguration">
2766     <input message="cfg-ifs:setEndpointConfigurationIn" />
2767     <output message="cfg-ifs:setEndpointConfigurationOut" />
2768   </operation>
2769
```

```

2770
2771 </gwsdl:portType>
2772 </definitions>
2773

```

2774

### 2775 1.3.8 urn:wsdm:common:state:manageability:grid

2776

2777

```

2778 <definitions
2779   name="ManageableState"
2780   targetNamespace="urn:wsdm:common:state:manageability:grid"
2781   xmlns:tns="urn:wsdm:common:state:manageability:grid"
2782   xmlns:stt-ifs="urn:wsdm:common:state:manageability"
2783   xmlns:tns-typ="urn:wsdm:common:state:manageability:grid:types"
2784   xmlns:stt="urn:wsdm:common:state"
2785   xmlns:cmn="urn:wsdm:common"
2786   xmlns:ogsi="http://www.gridforum.org/namespaces/2003/03/OGSI"
2787
2788   xmlns:gwsdl="http://www.gridforum.org/namespaces/2003/03/gridWSDLExtensions"
2789   xmlns:sd="http://www.gridforum.org/namespaces/2003/03/serviceData"
2790   xmlns:crm="http://www.gridforum.org/namespaces/2003/17/crm"
2791   xmlns:xsd="http://www.w3.org/2001/XMLSchema"
2792   xmlns="http://schemas.xmlsoap.org/wsdl/">
2793
2794
2795   <import
2796     namespace="urn:wsdm:common:state:manageability"
2797     location="ManageableState.wsdl"/>
2798
2799   <types>
2800     <xsd:schema
2801       targetNamespace="urn:wsdm:common:state:manageability:grid:types"
2802       elementFormDefault="qualified">
2803
2804       <xsd:import
2805         namespace="urn:wsdm:common"
2806         schemaLocation="../../schema/Common.xsd"/>
2807
2808       <xsd:import
2809         namespace="urn:wsdm:common:state"
2810         schemaLocation="../../schema/ManageableState.xsd"/>
2811
2812     </xsd:schema>
2813   </types>
2814
2815   <gwsdl:portType name="ManageableState" crm:version="1.1.0" >
2816
2817     <sd:serviceData   name="currentLifecycleState"
2818                       type="stt:CurrentState"
2819                       crm:valid="up down"
2820                       minOccurs="1"
2821                       maxOccurs="1"
2822                       mutability="mutable">
2823       <sd:documentation>
2824       <![CDATA[

```

```

2825         current lifecycle state of the Web service
2826 endpoint.
2827         ]]>
2828         </sd:documentation>
2829     </sd:serviceData>
2830
2831     <sd:serviceData name="availableLifecycleTransitionEvents"
2832 type="stt:ArrayOfTransitionIdentifiers"
2833         crm:valid="up down"
2834         minOccurs="0"
2835         maxOccurs="1"
2836         mutability="static">
2837         <sd:documentation>
2838             <![CDATA[
2839                 the list of state change transistions
2840                 currently being evented on. ]]>
2841             </sd:documentation>
2842         </sd:serviceData>
2843
2844     <sd:serviceData name="supportedStates"
2845 type="stt:ArrayOfStateIdentifiers"
2846         crm:valid="up down"
2847         minOccurs="1"
2848         maxOccurs="1"
2849         mutability="static">
2850         <sd:documentation>
2851             <![CDATA[
2852                 the list of states supported by the
2853                 managed Web service endpoint. ]]>
2854             </sd:documentation>
2855         </sd:serviceData>
2856
2857     <sd:serviceData name="stateList"
2858 type="cmn:ArrayOfProperties"
2859         crm:valid="up down"
2860         minOccurs="0"
2861         maxOccurs="1"
2862         mutability="static">
2863         <sd:documentation>
2864             <![CDATA[
2865                 the list of states supported by the
2866                 managed Web service endpoint. ]]>
2867             </sd:documentation>
2868         </sd:serviceData>
2869
2870     <operation name="getCurrentLifecycleState">
2871         <input message="stt-ifs:getCurrentLifecycleStateIn" />
2872         <output message="stt-ifs:getCurrentLifecycleStateOut" />
2873     </operation>
2874
2875     <operation name="getSupportedStates">
2876         <input message="stt-ifs:getSupportedStatesIn" />
2877         <output message="stt-ifs:getSupportedStatesOut" />
2878     </operation>

```

```

2882
2883     <operation name="getStateList">
2884         <input message="stt-ifs:getStateListIn" />
2885         <output message="stt-ifs:getStateListOut" />
2886     </operation>
2887
2888     <operation name="getAvailableLifecycleTransitionEvents">
2889         <input message="stt-
2890 ifs:getAvailableLifecycleTransitionEventsIn" />
2891         <output message="stt-
2892 ifs:getAvailableLifecycleTransitionEventsOut" />
2893     </operation>
2894
2895 </gwsdl:portType>
2896 </definitions>
2897

```

2898

### 1.3.9 urn:wsdm:webservice:endpoint:state:manageability:grid

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```

<definitions
2902 name="ManageableEndpointState"
2903 targetNamespace=
2904     "urn:wsdm:webservice:endpoint:state:manageability"
2905 xmlns:stt-ifs=
2906     "urn:wsdm:webservice:endpoint:state:manageability"
2907 xmlns:stt-typ=
2908     "urn:wsdm:webservice:endpoint:state:manageability:types"
2909 xmlns:xsd="http://www.w3.org/2001/XMLSchema"
2910 xmlns="http://schemas.xmlsoap.org/wsdl/">
2911 <types>
2912 <xsd:schema
2913     targetNamespace=
2914         "urn:wsdm:webservice:endpoint:state:manageability:types"
2915     xmlns:cmn-stt="urn:wsdm:common:state"
2916     xmlns:stt="urn:wsdm:webservice:endpoint:state"
2917     xmlns:cmn="urn:wsdm:common"
2918     elementFormDefault="qualified">
2919 <xsd:import
2920     namespace="urn:wsdm:common"
2921     schemaLocation="../../schema/Common.xsd"/>
2922 <xsd:import
2923     namespace="urn:wsdm:common:state"
2924     schemaLocation="../../schema/ManageableState.xsd"/>
2925 <xsd:import
2926     namespace="urn:wsdm:webservice:endpoint:state"
2927     schemaLocation="../../schema/ManageableEndpointState.xsd"/>
2928 <xsd:element name="ControlRequestProcessingDataCollectors">
2929     <xsd:complexType>
2930     <xsd:sequence>
2931     <xsd:element name="transition"

```

```
2938         type="cmn-stt:TransitionIdentifier"/>
2939         <xsd:element name="dataCollectors"
2940           type="stt:DataCollectors"/>
2941       </xsd:sequence>
2942     </xsd:complexType>
2943 </xsd:element>
2944
2945 <xsd:element name="ControlRequestProcessingDataCollectorsResponse">
2946   <xsd:complexType>
2947     <xsd:sequence>
2948       <xsd:element name="OK" type="xsd:boolean"/>
2949     </xsd:sequence>
2950   </xsd:complexType>
2951 </xsd:element>
2952
2953 <xsd:element name="Enable"/>
2954
2955 <xsd:element name="EnableResponse">
2956   <xsd:complexType>
2957     <xsd:sequence>
2958       <xsd:element name="OK" type="xsd:boolean"/>
2959     </xsd:sequence>
2960   </xsd:complexType>
2961 </xsd:element>
2962
2963 <xsd:element name="Disable"/>
2964
2965 <xsd:element name="DisableResponse">
2966   <xsd:complexType>
2967     <xsd:sequence>
2968       <xsd:element name="OK" type="xsd:boolean"/>
2969     </xsd:sequence>
2970   </xsd:complexType>
2971 </xsd:element>
2972
2973 <xsd:element name="Shutdown"/>
2974
2975 <xsd:element name="ShutdownResponse">
2976   <xsd:complexType>
2977     <xsd:sequence>
2978       <xsd:element name="OK" type="xsd:boolean"/>
2979     </xsd:sequence>
2980   </xsd:complexType>
2981 </xsd:element>
2982
2983 <xsd:element name="getRequestProcessingTransitionSettings"/>
2984
2985 <xsd:element name="getRequestProcessingTransitionSettingsResponse">
2986   <xsd:complexType>
2987     <xsd:sequence>
2988       <xsd:element name="requestProcessingTransitionSettings"
2989         type="stt:ArrayOfRequestProcessingTransitionSettings"/>
2990     </xsd:sequence>
2991   </xsd:complexType>
2992 </xsd:element>
2993
2994 <xsd:element name="getAvailableRequestProcessingTransitionEvents"/>
```

```
2995
2996 <xsd:element
2997 name="getAvailableRequestProcessingTransitionEventsResponse">
2998   <xsd:complexType>
2999     <xsd:sequence>
3000       <xsd:element
3001 name="availableRequestProcessingTransitionEvents"
3002       type="cmn-stt:ArrayOfTransitionIdentifiers"/>
3003     </xsd:sequence>
3004   </xsd:complexType>
3005 </xsd:element>
3006
3007 </xsd:schema>
3008 </types>
3009
3010 <message name="getAvailableRequestProcessingTransitionEventsIn">
3011   <part name="parameters" element="stt-
3012 typ:getAvailableRequestProcessingTransitionEvents"/>
3013 </message>
3014
3015 <message name="getAvailableRequestProcessingTransitionEventsOut">
3016   <part name="parameters" element="stt-
3017 typ:getAvailableRequestProcessingTransitionEventsResponse"/>
3018 </message>
3019
3020 <message name="getRequestProcessingTransitionSettingsIn">
3021   <part name="parameters" element="stt-
3022 typ:getRequestProcessingTransitionSettings"/>
3023 </message>
3024
3025 <message name="getRequestProcessingTransitionSettingsOut">
3026   <part name="parameters" element="stt-
3027 typ:getRequestProcessingTransitionSettingsResponse"/>
3028 </message>
3029
3030 <message name="ControlRequestProcessingDataCollectorsIn">
3031   <part name="parameters" element="stt-
3032 typ:ControlRequestProcessingDataCollectors"/>
3033 </message>
3034
3035 <message name="ControlRequestProcessingDataCollectorsOut">
3036   <part name="parameters" element="stt-
3037 typ:ControlRequestProcessingDataCollectorsResponse"/>
3038 </message>
3039
3040 <message name="EnableIn">
3041   <part name="parameters" element="stt-typ:Enable"/>
3042 </message>
3043
3044 <message name="EnableOut">
3045   <part name="parameters" element="stt-typ:EnableResponse"/>
3046 </message>
3047
3048 <message name="DisableIn">
3049   <part name="parameters" element="stt-typ:Disable"/>
3050 </message>
3051
```



```
3052 <message name="DisableOut">
3053   <part name="parameters" element="stt-typ:DisableResponse"/>
3054 </message>
3055
3056 <message name="ShutdownIn">
3057   <part name="parameters" element="stt-typ:Shutdown"/>
3058 </message>
3059
3060 <message name="ShutdownOut">
3061   <part name="parameters" element="stt-typ:ShutdownResponse"/>
3062 </message>
3063
3064 <portType name="ManageableEndpointState">
3065
3066   <operation name="getAvailableRequestProcessingTransitionEvents">
3067     <input message="stt-
3068 ifs:getAvailableRequestProcessingTransitionEventsIn" />
3069     <output message="stt-
3070 ifs:getAvailableRequestProcessingTransitionEventsOut" />
3071   </operation>
3072
3073   <operation name="getRequestProcessingTransitionSettings">
3074     <input message="stt-
3075 ifs:getRequestProcessingTransitionSettingsIn" />
3076     <output message="stt-
3077 ifs:getRequestProcessingTransitionSettingsOut" />
3078   </operation>
3079
3080   <operation name="ControlRequestProcessingDataCollectors">
3081     <input message="stt-
3082 ifs:ControlRequestProcessingDataCollectorsIn" />
3083     <output message="stt-
3084 ifs:ControlRequestProcessingDataCollectorsOut" />
3085   </operation>
3086
3087   <operation name="Enable">
3088     <input message="stt-ifs:EnableIn" />
3089     <output message="stt-ifs:EnableOut" />
3090   </operation>
3091
3092   <operation name="Disable">
3093     <input message="stt-ifs:DisableIn" />
3094     <output message="stt-ifs:DisableOut" />
3095   </operation>
3096
3097   <operation name="Shutdown">
3098     <input message="stt-ifs:ShutdownIn" />
3099     <output message="stt-ifs:ShutdownOut" />
3100   </operation>
3101
3102 </portType>
3103 </definitions>
3104
```

3105

3106 **1.3.10 urn:wsmr:common:relationships:manageability:grid**

3107

```

3108
3109 <definitions
3110   name="ManageableRelationships"
3111   targetNamespace="urn:wsmr:common:relationships:manageability:grid"
3112   xmlns:rel-ifs="urn:wsmr:common:relationships:manageability"
3113   xmlns:rel-typ="urn:wsmr:common:relationships:manageability:types"
3114   xmlns:tns-typ="urn:wsmr:common:relationships:manageability:grid:types"
3115   xmlns:rel="urn:wsmr:common:relationships"
3116   xmlns:cmn="urn:wsdm:common"
3117   xmlns:ogsi="http://www.gridforum.org/namespaces/2003/03/OGSI"
3118
3119   xmlns:gwsdl="http://www.gridforum.org/namespaces/2003/03/gridWSDLExtensions"
3120
3121   xmlns:sd="http://www.gridforum.org/namespaces/2003/03/serviceData"
3122   xmlns:crm="http://www.gridforum.org/namespaces/2003/17/crm"
3123   xmlns:xsd="http://www.w3.org/2001/XMLSchema"
3124   xmlns="http://schemas.xmlsoap.org/wsdl/">
3125
3126 <import
3127   namespace="urn:wsmr:common:relationships:manageability"
3128   location="ManageableRelationships.wsdl"/>
3129
3130 <types>
3131 <xsd:schema
3132   targetNamespace="urn:wsmr:common:relationships:manageability:grid:types"
3133   elementFormDefault="qualified">
3134
3135 <xsd:import
3136   namespace="urn:wsdm:common"
3137   schemaLocation="../../../schema/Common.xsd"/>
3138
3139 <xsd:import
3140   namespace="urn:wsmr:common:relationships"
3141   schemaLocation="../../../schema/ManageableRelationships.xsd"/>
3142
3143 </xsd:schema>
3144 </types>
3145
3146 <gwsdl:portType name="ManageableRelationships" crm:version="1.1.0" >
3147
3148   <sd:serviceData name="endpointRelationships"
3149     type="rel:ArrayOfRelationships"
3150     crm:valid="up down"
3151     crm:volatile="1">
3152     <wsdl:documentation>
3153       <![CDATA[
3154         The relationship between this manageable service and
3155 other manageable service endpoints.
3156       ]]>
3157     </wsdl:documentation>
3158   </sd:serviceData>
3159
3160   <sd:serviceData name="availableRelationships"
3161     type="rel:ArrayOfAnyRelationshipTypes"
3162     crm:valid="up"
3163     crm:volatile="1">
3164     <wsdl:documentation>

```

```

3165         <![CDATA[
3166             relationships supported by a manageable service
3167         ]]>
3168     </wsdl:documentation>
3169 </sd:serviceData>
3170
3171     <sd:serviceData name="availableRelationshipEvents"
3172         type="cmn:ArrayOfEventIdentifiers"
3173         crm:valid="up"
3174         crm:volatile="1">
3175         <wsdl:documentation>
3176         <![CDATA[
3177             The events generated when a an endpoint relationship
3178 changes
3179         ]]>
3180         </wsdl:documentation>
3181     </sd:serviceData>
3182
3183     <operation name="getRelationships">
3184         <input message="rel-ifs:getRelationshipsIn" />
3185         <output message="rel-ifs:getRelationshipsOut" />
3186     </operation>
3187
3188     <operation name="getAvailableRelationships">
3189         <input message="rel-ifs:getAvailableRelationshipsIn" />
3190         <output message="rel-ifs:getAvailableRelationshipsOut" />
3191     </operation>
3192
3193     <operation name="getAvailableRelationshipEvents">
3194         <input message="rel-ifs:getAvailableRelationshipEventsIn" />
3195         <output message="rel-ifs:getAvailableRelationshipEventsOut"
3196 />
3197     </operation>
3198
3199     <operation name="QueryRelationships">
3200         <input message="rel-ifs:QueryRelationshipsIn" />
3201         <output message="rel-ifs:QueryRelationshipsOut" />
3202     </operation>
3203
3204 </gwsdl:portType>
3205 </definitions>
3206

```

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### 3208 **1.3.11 urn:wsmr:webservice:endpoint:relationships:manageability:grid**

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```

<definitions
3212 name="ManageableEndpointRelationships"
3213 targetNamespace=
3214     "urn:wsmr:webservice:endpoint:relationships:manageability:grid"
3215 xmlns:cmn-rel-ifs=
3216     "urn:wsmr:common:relationships:manageability:grid"
3217 xmlns:wse-rel-ifs=
3218     "urn:wsmr:webservice:endpoint:relationships:manageability"
3219 xmlns:tns=

```

```
3221     "urn:wsmr:webservice:endpoint:relationships:manageability:grid"
3222     xmlns:tns-typ=
3223
3224     "urn:wsmr:webservice:endpoint:relationships:manageability:grid:types"
3225
3226     xmlns:cmn-rel="urn:wsmr:webservice:endpoint:relationships"
3227     xmlns:wse-rel="urn:wsmr:webservice:endpoint:relationships"
3228     xmlns:ogsi="http://www.gridforum.org/namespaces/2003/03/OGSI"
3229
3230     xmlns:gwsdl="http://www.gridforum.org/namespaces/2003/03/gridWSDLExtensions"
3231
3232     xmlns:sd="http://www.gridforum.org/namespaces/2003/03/serviceData"
3233     xmlns:crm="http://www.gridforum.org/namespaces/2003/17/crm"
3234     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
3235     xmlns="http://schemas.xmlsoap.org/wsdl/">
3236
3237 <import
3238     namespace="urn:wsmr:common:relationships:manageability:grid"
3239     location="ManageableRelationships.gwsdl"/>
3240
3241 <import
3242     namespace="urn:wsmr:webservice:endpoint:relationships:manageability"
3243     location="ManageableEndpointRelationships.wsdl"/>
3244
3245 <types>
3246 <xsd:schema
3247     targetNamespace=
3248         "urn:wsmr:webservice:endpoint:relationships:manageability:types"
3249     elementFormDefault="qualified">
3250
3251 <xsd:import
3252     namespace="urn:wsmr:webservice:endpoint:relationships"
3253     schemaLocation="../../schema/ManageableEndpointRelationships.xsd"/>
3254
3255 </xsd:schema>
3256 </types>
3257
3258 <gwsdl:portType name="ManageableRelationships"
3259     extends="cmn-rel-ifs:ManageableRelationships"/>
3260
3261 </definitions>
3262
3263
```