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European Network of
Transmission System Operators
for Electricity

ENTSO-E
STATUS REQUEST DOCUMENT
(ESRD)
IMPLEMENTATION GUIDE

2011-04-20

VERSION 2.0

THE ENTSO-E STATUS REQUEST DOCUMENT
VERSION 2.0

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53 # Revision History

Version	Release	Date	Paragraph	Comments
2	0	2011-05-05		Revision involving a total redesign of the original Status request version 1.1. Approved by Market Committee on 2011-05-17.

54

55 ## Forward

56 This is a major new release of the Status Request document and is not compatible with the
57 ENTSO-E Status Request Version 1 Release 1.

58 ENTSO-E will no longer support ESR v1.1, i.e. there will be no evolutions for its schema.

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<div align="center">

NOTE CONCERNING WORDING USED IN THIS DOCUMENT

</div>

The force of the following words is modified by the requirement level of the document in which they are used.

- MUST: This word, or the terms "REQUIRED" or "SHALL", means that the definition is an absolute requirement of the specification.

- MUST NOT: This phrase, or the phrase "SHALL NOT", means that the definition is an absolute prohibition of the specification.

- SHOULD: This word, or the adjective "RECOMMENDED", means that there may exist valid reasons in particular circumstances to ignore a particular item, but the full implications must be understood and carefully weighed before choosing a different course.

- SHOULD NOT: This phrase, or the phrase "NOT RECOMMENDED", means that there may exist valid reasons in particular circumstances when the particular behaviour is acceptable or even useful, but the full implications should be understood and the case carefully weighed before implementing any behaviour described with this label.

- MAY: This word, or the adjective "OPTIONAL", means that an item is truly optional. One vendor may choose to include the item because a particular marketplace requires it or because the vendor feels that it enhances the product while another vendor may omit the same item. An implementation which does not include a particular option MUST be prepared to interoperate with another implementation which does include the option, though perhaps with reduced functionality. In the same vein an implementation which does include a particular option MUST be prepared to interoperate with another implementation which does not include the option (except, of course, for the feature the option provides.)

- DEPRECATED: this word means that a previously permitted entity should no longer be used in new implementations as in a future release the object in question may be suppressed.

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1 OBJECTIVE

The objective of this implementation guide is to make it possible for software vendors to develop a standard mechanism for requesting status information within the ENTSO-E information interchange environment.

2 INFORMATION REQUEST PROCESS OVERVIEW

With the opening of the electricity market in Europe standard information interchange interfaces have been put into place. Several business processes have been standardised and more will be put into place as requirements are identified.

The processes in question cover the transmission of initial information, acknowledgements, the identification of problems and concluding replies. However, in many instances there is lapse of time between an initial transmission and its conclusion. During this time the initiator of the process is unaware of the status of his situation. For example in the case of the scheduling process matching information must be received in order to conclude the transaction and a time limit is imposed on its successful conclusion. The initiator may be able to expedite the transmission of the matching information if he was aware that it had not yet been received.

In other cases it may be that a participating party would like to have a global overview of his situation at a given point in time.

Generally such status information may be offered as a service via a web access. However in some circumstances this would require that the market participant to poll the web site of each of his counter parties, making it difficult and time consuming for him to establish his overall position.

In these circumstances it is felt useful to provide a harmonised requesting mechanism that will enable a market participant to make an electronic request for information by a means other than the web. It is also recommended to use this document as a web services interface. The recipient may then acknowledge the request with the transmission of the requested information providing he has the capacity to do so.

The nature of the information that is sent in reply to a request is dependent on the context in which the request is made. It is through bilateral agreement that such a service is provided. The agreement will also define the structure of the answering information flow.

116 # 3 OPERATIONAL SCENARIO
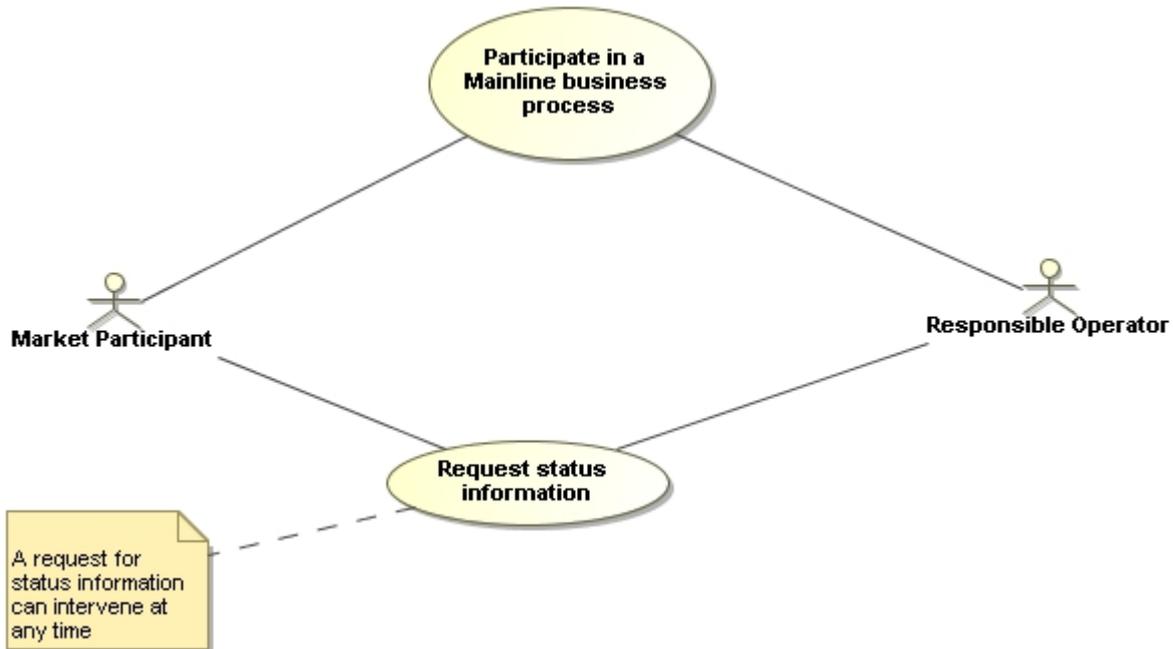
117

118 **FIGURE 1: STATUS REQUEST USE CASE**

119 In the general context the two principal actors participate in some mainline business process
120 (for example the scheduling or auctioning process). The business process is composed of a
121 number of transactions that are initialised, processed and concluded. In the context of the
122 use case in figure 1 it is assumed that the Responsible Operator (e.g. System Operator,
123 Transmission Capacity Allocator, Capacity Coordinator, etc.) carries out the principal
124 processing. However the roles may be inversed.

125 Between the initialisation where the initial submission and acknowledgement is carried out
126 and the conclusion where the business process is terminated, there is a processing activity.
127 Generally it is during this period that the initiator has little or no insight into his position in
128 respect to the ongoing transaction.

129 It is during this phase where a status request use case may be applied. This process will
130 enable the initiator to receive the status of his transaction prior to its termination or the status
131 of his overall situation. This will eventually enable him to react and expedite missing
132 information prior to a transactions conclusion or carry out other actions to actualise his
133 situation.

134 The status request process is of interest in a context where a mainline business process has
135 not provided for status or position requests.

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4 STATUS REQUEST INFORMATION REQUIREMENTS
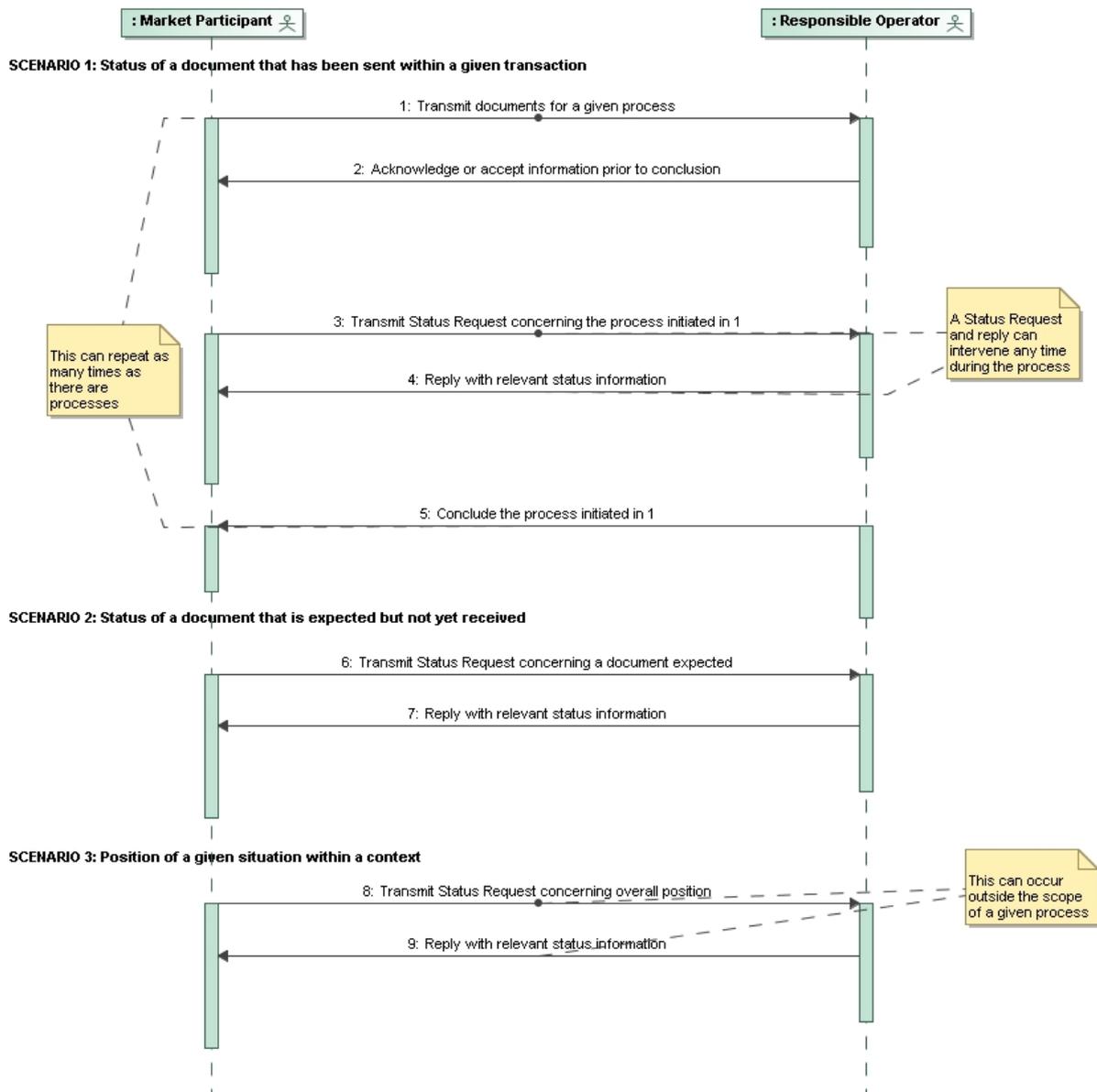
FIGURE 2: STATUS REQUEST SEQUENCE

The sequence diagram in Figure 2 outlines the typical scenarios where status information can be requested during or just immediately prior to the processing of a transaction. The first scenario (flows 3 and 4), which may be considered the general case, can request the status of a document that is being processed by a given party. The second scenario (flows 6 and 7) can occur when a party is expecting a document that initiates a transaction and can inquire the status of this document if the expected reception time has passed. The third scenario (flows 8 and 9) can occur outside any transaction processing where the situation of a party within a given context may be requested.

147 The status information that is returned is dependent on the nature of the business process.
148 For example, in the context of the day ahead scheduling process it could take the form of an
149 intermediate confirmation report.

150 Flow 5 "conclude the process initiated in 1" signifies that the process that began in flow 1 is
151 now completed. For example in case of a day ahead scheduling process it would be the
152 reception of a final confirmation report that completed the process.

153 After concluding the process it is still possible to send a Status Request (flows 8 and 9) in
154 order to determine the position of something (for example, the situation of a party on a given
155 border). This Status Request could refer to the documents that have been exchanged during
156 that process or it could also refer to a larger context of different processes for example the
157 position of a Balance Responsible Party taking into account both a day ahead scheduling
158 process and an intraday scheduling process.

159 It is also possible in the case, for example, where the flow 1 in figure 2 is expected but has
160 not yet been received after the expected deadline by the recipient (for example a TSO
161 expecting a schedule document from a specific market participant), to inquire about its status
162 in order to know when it will be transmitted (flows 6 and 7).

163 # 5 STATUS REQUEST IMPLEMENTATION

164 ## 5.1 INFORMATION MODEL
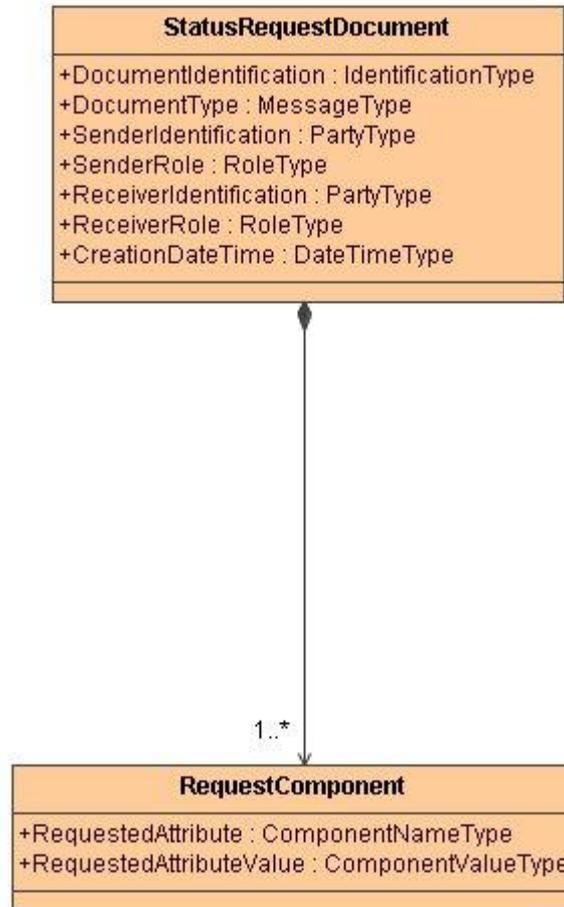
165

166 **FIGURE 3: STATUS REQUEST DOCUMENT MODEL**

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167   **5.2 RULES GOVERNING THE STATUS REQUEST DOCUMENT**
168   **IMPLEMENTATION**

169   A Status Request Document may be transmitted either during a given transaction or at any
170   other time requesting status information related to the transmitter of the document.

171   It can cover either a request for the status of a given transaction or a position relative to a
172   given context. The exact signification of the request is determined with the Document Type
173   attribute in the Document header and the combination of the information provided in the set
174   of Request Component classes through the Requested Attribute that identifies what the
175   information in the Requested Attribute Value signifies.

176   The receiver will automatically reject the request if any information is found to be in error.
177   The receiver shall send an acknowledgement (with the standard ENTSO-E
178   Acknowledgement document) to indicate that he is unable to respond to the request in the
179   expected manner and to provide the reason why the requested answer could not be
180   provided.

181   If the sender does not get a reply within a specified time interval the request should be
182   resubmit after having closely examined it for eventual errors.

183   **5.3 STATUS REQUEST DOCUMENT CLASS SPECIFICATION**

184   5.3.1 DOCUMENTIDENTIFICATION

ACTION	DESCRIPTION
Definition of element	Unique identification of the Status Request Document.
Description	Each Status Request Document is allocated a unique identification by the sender. If for any reason a request is retransmit because of the non reception of a reply from the receptor the retransmission shall be assigned a new identification number.
Size	The identification of a Status Request Document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

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185   ## 5.3.2 DOCUMENT TYPE

ACTION	DESCRIPTION
Definition of element	The coded type of the document being sent.
Description	The document type identifies the principal characteristic of the status request. The initial codes to be used is: A59= status request for a status within a process A60 = status request for a position independently from a specific process **Refer to ENTSO-E Core Component Code list document for valid codes.**
Size	The document type value must be exactly 3 alphanumeric characters (no blanks).
Applicability	This information is mandatory.
Dependence requirements	None

186   ## 5.3.3 SENDER IDENTIFICATION – CODING SCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who is sending the Status Request Document.
Description	The sender of the Status Request Document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the codingScheme attribute. **Refer to the ENTSO-E Core Component Code List document for valid coding Scheme codes.**
Size	The maximum length of a sender's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

187   5.3.4 SENDERROLE

ACTION	DESCRIPTION
Definition of element	Identification of the role that is played by the sender.
Description	The sender role, which identifies the role of the sender within the context for which the request is being made. Refer to the ENTSO-E Core Component Code List document for valid Role codes.
Size	The maximum length of a sender role is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

188   5.3.5 RECEIVERIDENTIFICATION – CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the Status Request Document.
Description	The receiver of the Status Request Document is identified by a unique coded identification. The codification scheme used for the coded identification is indicated by the codingScheme attribute. **Refer to the ENTSO-E Core Component Code List document for valid coding Scheme codes.**
Size	The maximum length of a receiver's identification is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	Both the identification and the coding scheme are mandatory.
Dependence requirements	None.

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189   ## 5.3.6 RECEIVERROLE

ACTION	DESCRIPTION
Definition of element	Identification of the role played by the receiver.
Description	The receiver role, which identifies the role of the receiver in the context for which the request is being made. Refer to the ENTSO-E Core Component Code List document for valid Role codes.
Size	The maximum length of a receiver role is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

190   ## 5.3.7 CREATIONDATETIME

ACTION	DESCRIPTION
Definition of element	Date and time of transmission of the Status Request Document.
Description	The date and time that the Status Request Document was prepared for transmission by the application of the sender.
Size	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
Applicability	This information is mandatory.
Dependence requirements	None.

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5.4 REQUEST COMPONENT CLASS

191

192 A Status Request Document contains a set of Request Components that completely define
193 the request being made.

194 For example, a schedule status request could be composed of the following component
195 attributes: Document Type, Process Type, Subject Party and Subject Role corresponding to
196 the schedule as well as the Time Interval corresponding to the schedule time interval.

197 Within a given "Request Component" class all the "Requested Attribute" attribute values must
198 be unique (i.e. no two Requested Attribute codes may e the same).

199 Each ENTSO-E process will provide an annex containing the different attribute combinations
200 that are possible in a Status Request for that process as well as the electronic documents
201 that are to be used as a reply.

5.4.1 REQUESTEDATTRIBUTE

202

ACTION	DESCRIPTION
Definition of element	The identification of an attribute for a given Request Component.
Description	The Requested Attribute identifies the significance of the content of the Requested Attribute Value. It is a string value that represents a copy of the ElementTag of the electronic document for which the status is being requested. In addition the following reserved names may be used.

RequestedReturnDocumentType; Identification of a particular document that is expected as a reply. For example the MOL document.

DateAndOrTime; The requests can be made for a specific date, and or Date Time. For example, it can be used for the Outage Document.

For example for a status request concerning the ScheduleMessage the element tags "MessageIdentification", MessageDateTime" and "ProcessType" could be used.

In the case of the Bid Document the element tags "DocumentIdentification", DocumentVersion and "BidTimeInterval" could be used. |

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Size	The maximum length of this information is 70 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

203   5.4.2 REQUESTEDATTRIBUTEVALUE- CODINGSCHEME

ACTION	DESCRIPTION
Definition of element	The value of a given component.
Description	Each Requested Attribute Component has associated with it a value that is identified in the Requested Attribute Value attribute. In specific cases the Requested Attribute Value may require that the coding scheme used to code the value be identified. In this case the codification scheme used for the coded identification is indicated by the codingScheme attribute. **Refer to the ENTSO-E Core Component Code List document for valid coding Scheme codes.**
Size	The maximum length of a Requested Attribute Value is 150 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	The Requested Attribute Value is mandatory; the coding scheme is dependent on the value characteristic.
Dependence requirements	None.

204 6 RESPONSE POSSIBILITIES

205 The possibilities of the electronic documents that are used in response to a particular request
206 depend essentially on the context in which the request is being made.

207 Only one response document should be sent for each Status Request document.

208 Examples of electronic documents that could be used in different processes could be taken
209 as follows:

210 • The Scheduling process: the Intermediate Confirmation Report document and, if
211 necessary, an Anomaly Report or Final Confirmation Report.

212 • The Settlement process: the Energy Account Report document.

213 • The Resource planning process: the Reserve Allocation Result document, the
214 Resource Schedule Confirmation Report, the MOL document or the Activation
215 documents.

216 • The Auction process: the Allocation Result or Total Allocation document, the Capacity
217 Document, the Rights Document or the Publication Document.

218 Note: In case a requested document cannot be provided an Acknowledgement as described
219 in paragraph 5.2 shall be sent.

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220 7 STATUS REQUEST DOCUMENT EXAMPLES

221 The following examples are provided for the purposes of understanding the use of the Status
222 Request Document and do not in any way reflect the full range of possibilities.

1. Provide the status relative to a given process

DtdVersion	1	
DtdRelease	0	
DocumentIdentification	Situation8	
DocumentType	Position Request	
SenderIdentification	ELIA	EIC
SenderRole	Balance responsible party	
ReceiverIdentification	TENNET_TSO	EIC
ReceiverRole	System operator	
CreationDateTime	2011-01-10T13:00:00Z	

	RequestedAttribute	**RequestedAttributeValue**
RequestComponent	ProcessType	A17
	TimeInterval	2011-01-10T23:00Z/2011-01-11T23:00Z

Reply
An intermediate
Confirmation Report for the
interval in question

223

224 The equivalent XML instance is as follows:

```
225 <?xml version="1.0" encoding="UTF-8"?>
226 <StatusRequestDocument DtdRelease="0" DtdVersion="1"
227 xsi:noNamespaceSchemaLocation="StatusRequest.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
228 instance">
229       <DocumentIdentification v="Situation8"/>
230 <DocumentType v="XX2"/>
231       <SenderIdentification codingScheme="A01" v="10X1001A1001A094"/>
232       <SenderRole v="A08"/>
233       <ReceiverIdentification codingScheme="A01" v="10X1001A1001A361"/>
234       <ReceiverRole v="A04"/>
235       <CreationDateTime v="2011-01-10T13:00:00Z"/>
236             <RequestComponent>
237                   <RequestedAttribute v="ProcessType"/>
238                   <RequestedAttributeValue v="A17"/>
239             </RequestComponent>
240             <RequestComponent>
241                   <RequestedAttribute v="TimeInterval"/>
242                   <RequestedAttributeValue v="2011-01-10T23:00Z/2011-01-11T23:00Z"/>
243             </RequestComponent>
244 </StatusRequestDocument>
```

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2. Provide the situation related to primary control for a given party

DtdVersion	1
DtdRelease	0
DocumentIdentification	Situation7
DocumentType	Position Request ▾
SenderIdentification	ELIA ▾ EIC ▾
SenderRole	Resource Provider ▾
ReceiverIdentification	TENNET_TSO ▾ EIC ▾
ReceiverRole	System operator ▾
CreationDateTime	2011-01-10T13:00:00Z

Reply
A Capacity Document for
the interval in question

RequestComponent	**RequestedAttribute**	**RequestedAttributeValue**
	Party ▾	10X1001A1001A094
	BusinessType ▾	A11
	TimeInterval ▾	2011-01-10T13:00Z/2011-01-11T13:00Z

245

246 The equivalent XML instance is as follows:

```
247  <?xml version="1.0" encoding="UTF-8"?>
248  <StatusRequestDocument                 DtdRelease="0"                 DtdVersion="1"
249  xsi:noNamespaceSchemaLocation="StatusRequest.xsd"  xmlns:xsi="http://www.w3.org/2001/XMLSchema-
250  instance">
251          <DocumentIdentification v="Situation7"/>
252  <DocumentType v="XX2"/>
253          <SenderIdentification codingScheme="A01" v="10X1001A1001A094"/>
254          <SenderRole v="A27"/>
255          <ReceiverIdentification codingScheme="A01" v="10X1001A1001A361"/>
256          <ReceiverRole v="A04"/>
257          <CreationDateTime v="2011-01-10T13:00:00Z"/>
258              <RequestComponent>
259                  <RequestedAttribute v="Party"/>
260                  <RequestedAttributeValue v="10X1001A1001A094"/>
261              </RequestComponent>
262              <RequestComponent>
263                  <RequestedAttribute v="BusinessType"/>
264                  <RequestedAttributeValue v="A11"/>
265              </RequestComponent>
266              <RequestComponent>
267                  <RequestedAttribute v="TimeInterval"/>
268                  <RequestedAttributeValue v="2011-01-10T13:00Z/2011-01-11T13:00Z"/>
269              </RequestComponent>
270  </StatusRequestDocument>
```

271 # 8 XML SCHEMA DEFINITION

272 ## 8.1 STATUS REQUEST DOCUMENT

273 ### 8.1.1 STATUS REQUEST DOCUMENT – SCHEMA STRUCTURE

274
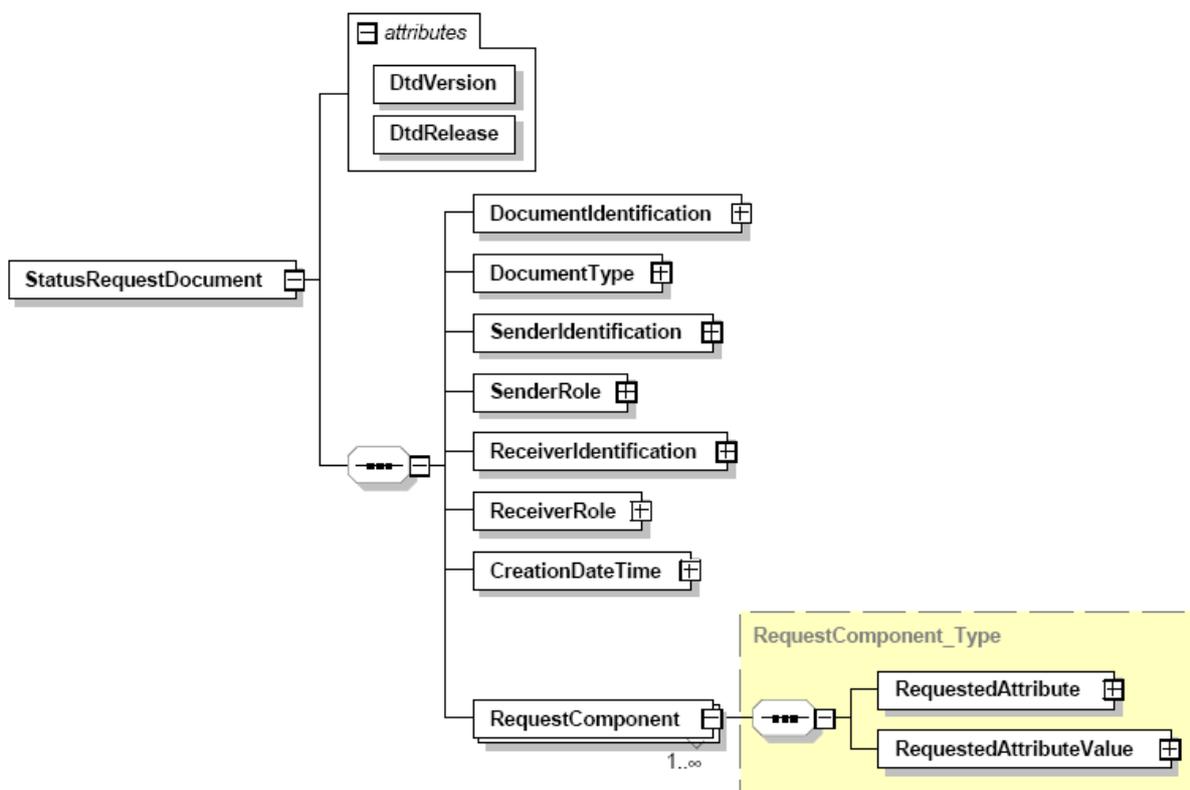
275

276 **FIGURE 4: XML SCHEMA MODEL**

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277   ## 8.1.2 STATUS REQUEST DOCUMENT – SCHEMA DEFINITION

```
278    <?xml version="1.0" encoding="UTF-8"?>
279    <xsd:schema xmlns:ecc="etso-core-cmpts.xsd" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
280    elementFormDefault="qualified" attributeFormDefault="unqualified" ecc:VersionRelease="13.0">
281            <xsd:import namespace="etso-core-cmpts.xsd" schemaLocation="../core/etso-core-cmpts.xsd"/>
282            <!--
283                            ENTSO-E Document Automatically generated from a UML class diagram using XMI.
284                            Generation tool version 1.7
285                    -->
286            <xsd:element name="StatusRequestDocument">
287                    <xsd:complexType>
288                            <xsd:annotation>
289                                    <xsd:documentation/>
290                            </xsd:annotation>
291                            <xsd:sequence>
292                                    <xsd:element name="DocumentIdentification" type="ecc:IdentificationType">
293                                            <xsd:annotation>
294                                                    <xsd:documentation/>
295                                            </xsd:annotation>
296                                    </xsd:element>
297                                    <xsd:element name="DocumentType" type="ecc:MessageType">
298                                            <xsd:annotation>
299                                                    <xsd:documentation/>
300                                            </xsd:annotation>
301                                    </xsd:element>
302                                    <xsd:element name="SenderIdentification" type="ecc:PartyType">
303                                            <xsd:annotation>
304                                                    <xsd:documentation/>
305                                            </xsd:annotation>
306                                    </xsd:element>
307                                    <xsd:element name="SenderRole" type="ecc:RoleType">
308                                            <xsd:annotation>
309                                                    <xsd:documentation/>
310                                            </xsd:annotation>
311                                    </xsd:element>
312                                    <xsd:element name="ReceiverIdentification" type="ecc:PartyType">
313                                            <xsd:annotation>
314                                                    <xsd:documentation/>
315                                            </xsd:annotation>
316                                    </xsd:element>
317                                    <xsd:element name="ReceiverRole" type="ecc:RoleType">
318                                            <xsd:annotation>
319                                                    <xsd:documentation/>
320                                            </xsd:annotation>
321                                    </xsd:element>
322                                    <xsd:element name="CreationDateTime" type="ecc:DateTimeType">
323                                            <xsd:annotation>
324                                                    <xsd:documentation/>
325                                            </xsd:annotation>
326                                    </xsd:element>
327                                    <xsd:element name="RequestComponent" type="RequestComponent_Type"
328    maxOccurs="unbounded"/>
329                            </xsd:sequence>
330                            <xsd:attribute name="DtdVersion" type="xsd:string" use="required"/>
331                            <xsd:attribute name="DtdRelease" type="xsd:string" use="required"/>
332                    </xsd:complexType>
333            </xsd:element>
334            <xsd:complexType name="RequestComponent_Type">
335                    <xsd:annotation>
336                            <xsd:documentation/>
337                    </xsd:annotation>
338                    <xsd:sequence>
339                            <xsd:element name="RequestedAttribute" type="ecc:ComponentNameType">
340                                    <xsd:annotation>
341                                            <xsd:documentation/>
342                                    </xsd:annotation>
343                            </xsd:element>
344                            <xsd:element name="RequestedAttributeValue" type="ecc:ComponentValueType">
```

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```
345                                           <xsd:annotation>
346                                                   <xsd:documentation/>
347                                           </xsd:annotation>
348                                   </xsd:element>
349                           </xsd:sequence>
350                   </xsd:complexType>
351      </xsd:schema>
```

352 9 APPENDIX 1 CONVERTING FROM ESR 1.1 TO ESR 2.0

353 The following XSLT text will enable the conversion from ESR 1.1 to ESR 2.0.

```
354  <?xml version="1.0" encoding="UTF-8"?>
355  <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
356  xmlns:fo="http://www.w3.org/1999/XSL/Format">
357  <xsl:output omit-xml-declaration="no" method="xml" encoding="UTF-8"/>
358  <xsl:template match="/">
359  <StatusRequestDocument>
360  <DocumentIdentification>
361        <xsl:attribute name="v"><xsl:value-of select="StatusRequest/MessageIdentification/@v"/></xsl:attribute>
362  </DocumentIdentification>
363  <DocumentType>
364        <xsl:attribute name="v"><xsl:text>XX1</xsl:text></xsl:attribute>
365  </DocumentType>
366  <SenderIdentification>
367        <xsl:attribute name="v"><xsl:value-of select="StatusRequest/SenderIdentification/@v"/></xsl:attribute>
368        <xsl:attribute name="codingScheme"><xsl:value-of
369  select="StatusRequest/SenderIdentification/@codingScheme"/></xsl:attribute>
370  </SenderIdentification>
371  <SenderRole>
372        <xsl:attribute name="v"><xsl:value-of select="StatusRequest/SenderRole/@v"/></xsl:attribute>
373  </SenderRole>
374  <ReceiverIdentification>
375        <xsl:attribute name="v"><xsl:value-of select="StatusRequest/ReceiverIdentification/@v"/></xsl:attribute>
376        <xsl:attribute name="codingScheme"><xsl:value-of
377  select="StatusRequest/ReceiverIdentification/@codingScheme"/></xsl:attribute>
378  </ReceiverIdentification>
379  <ReceiverRole>
380        <xsl:attribute name="v"><xsl:value-of select="StatusRequest/ReceiverRole/@v"/></xsl:attribute>
381  </ReceiverRole>
382  <CreationDateTime>
383        <xsl:attribute name="v"><xsl:value-of select="StatusRequest/MessageDateTime/@v"/></xsl:attribute>
384  </CreationDateTime>
385  <RequestComponent>
386        <RequestedAttribute>
387              <xsl:attribute name="v"><xsl:text>DocumentType</xsl:text></xsl:attribute>
388        </RequestedAttribute>
389        <RequestedAttributeValue>
390              <xsl:attribute name="v"><xsl:value-of select="StatusRequest/MessageType/@v"/></xsl:attribute>
391        </RequestedAttributeValue>
392  </RequestComponent>
393  <RequestComponent>
394        <RequestedAttribute>
395              <xsl:attribute name="v"><xsl:text>ProcessType</xsl:text></xsl:attribute>
396        </RequestedAttribute>
397        <RequestedAttributeValue>
398              <xsl:attribute name="v"><xsl:value-of select="StatusRequest/ProcessType/@v"/></xsl:attribute>
399        </RequestedAttributeValue>
400  </RequestComponent>
401  <RequestComponent>
402        <RequestedAttribute>
403              <xsl:attribute name="v"><xsl:text>TimeInterval</xsl:text></xsl:attribute>
404        </RequestedAttribute>
405        <RequestedAttributeValue>
406              <xsl:attribute name="v"><xsl:value-of select="StatusRequest/RequestedTimeInterval/@v"/></xsl:attribute>
407        </RequestedAttributeValue>
408  </RequestComponent>
409  </StatusRequestDocument>
410  </xsl:template>
411  </xsl:stylesheet>
412
```

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413 As an example, the XSLT above will convert the following ESR 1.1 file:

```xml
414  <?xml version="1.0" encoding="UTF-8"?>
415  <!--Sample XML file generated by XMLSpy v2008 sp1 (http://www.altova.com)-->
416  <StatusRequest>
417          <MessageIdentification v="aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa"/>
418          <MessageType v="A01"/>
419          <ProcessType v="A01"/>
420          <SenderIdentification codingScheme="A01" v="aaaaaaaaaaaaaaaa"/>
421          <SenderRole v="A01"/>
422          <ReceiverIdentification codingScheme="A01" v="aaaaaaaaaaaaaaaa"/>
423          <ReceiverRole v="A01"/>
424          <MessageDateTime v="2001-12-17T09:30:47.0Z"/>
425          <RequestedTimeInterval v="2000-00-00T00:00Z/2000-00-00T00:00Z"/>
426  </StatusRequest>
```

427 To ESR 2.0 as follows:

```xml
428  <?xml version="1.0" encoding="UTF-8"?>
429  <StatusRequestDocument>
430          <DocumentIdentification v="aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa"/>
431          <DocumentType v="XX1"/>
432          <SenderIdentification v="aaaaaaaaaaaaaaaa" codingScheme="A01"/>
433          <SenderRole v="A01"/>
434          <ReceiverIdentification v="aaaaaaaaaaaaaaaa" codingScheme="A01"/>
435          <ReceiverRole v="A01"/>
436          <CreationDateTime v="2001-12-17T09:30:47.0Z"/>
437          <RequestComponent>
438                  <RequestedAttribute v="DocumentType"/>
439                  <RequestedAttributeValue v="A01"/>
440          </RequestComponent>
441          <RequestComponent>
442                  <RequestedAttribute v="ProcessType"/>
443                  <RequestedAttributeValue v="A01"/>
444          </RequestComponent>
445          <RequestComponent>
446                  <RequestedAttribute v="TimeInterval"/>
447                  <RequestedAttributeValue v="2000-00-00T00:00Z/2000-00-00T00:00Z"/>
448          </RequestComponent>
449  </StatusRequestDocument>
```