



ENTSO-E STATUS REQUEST DOCUMENT (ESRD) IMPLEMENTATION GUIDE

2014-03-19

VERSION 3.0

TABLE OF CONTENT

1	OBJECTIVE.....	6
2	INFORMATION REQUEST PROCESS OVERVIEW	6
3	OPERATIONAL SCENARIO	7
4	STATUS REQUEST INFORMATION REQUIREMENTS	8
5	STATUS REQUEST IMPLEMENTATION.....	10
5.1	INFORMATION MODEL	10
5.2	RULES GOVERNING THE STATUS REQUEST DOCUMENT IMPLEMENTATION	11
5.3	STATUS REQUEST DOCUMENT CLASS SPECIFICATION	11
5.3.1	DOCUMENTIDENTIFICATION.....	11
5.3.2	DOCUMENTTYPE	12
5.3.3	SENDERIDENTIFICATION – CODINGScheme.....	12
5.3.4	SENDERROLE.....	13
5.3.5	RECEIVERIDENTIFICATION – CODINGScheme.....	13
5.3.6	RECEIVERROLE	14
5.3.7	CREATIONDATETIME	14
5.4	REQUEST COMPONENT CLASS.....	15
5.4.1	REQUESTEDATTRIBUTE	15
5.4.2	REQUESTEDATTRIBUTEVALUE- CODINGScheme	16
6	RESPONSE POSSIBILITIES	17
7	STATUS REQUEST DOCUMENT EXAMPLES.....	18
8	XML SCHEMA DEFINITION.....	20
8.1	STATUS REQUEST DOCUMENT	20
8.1.1	STATUS REQUEST DOCUMENT – SCHEMA STRUCTURE.....	20
8.1.2	STATUS REQUEST DOCUMENT – SCHEMA DEFINITION	21
8.1.3	RESTRICTED CODELIST.....	23
9	APPENDIX 1 CONVERTING FROM ESR 1.1 TO ESR 3.0	24

TABLE OF FIGURES

FIGURE 1: STATUS REQUEST USE CASE	7
FIGURE 2: STATUS REQUEST SEQUENCE	8
FIGURE 3: STATUS REQUEST DOCUMENT MODEL	10
FIGURE 4: XML SCHEMA MODEL	20

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Revision History

Version	Release	Date	Paragraph	Comments
1	0	2003-04-29		Approved by ETSO Steering Committee
1	1	2003-10-21		Correct error in the XML example
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.
3	0	2014-03-19		Introduction of namespaced schemas and subsequent suppression of the DtdVersion and DtdRelease as document attributes. Approved by Market Committee on 2014-05-15

Forward

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

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

NOTE CONCERNING WORDING USED IN THIS DOCUMENT

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.

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.

3 OPERATIONAL SCENARIO

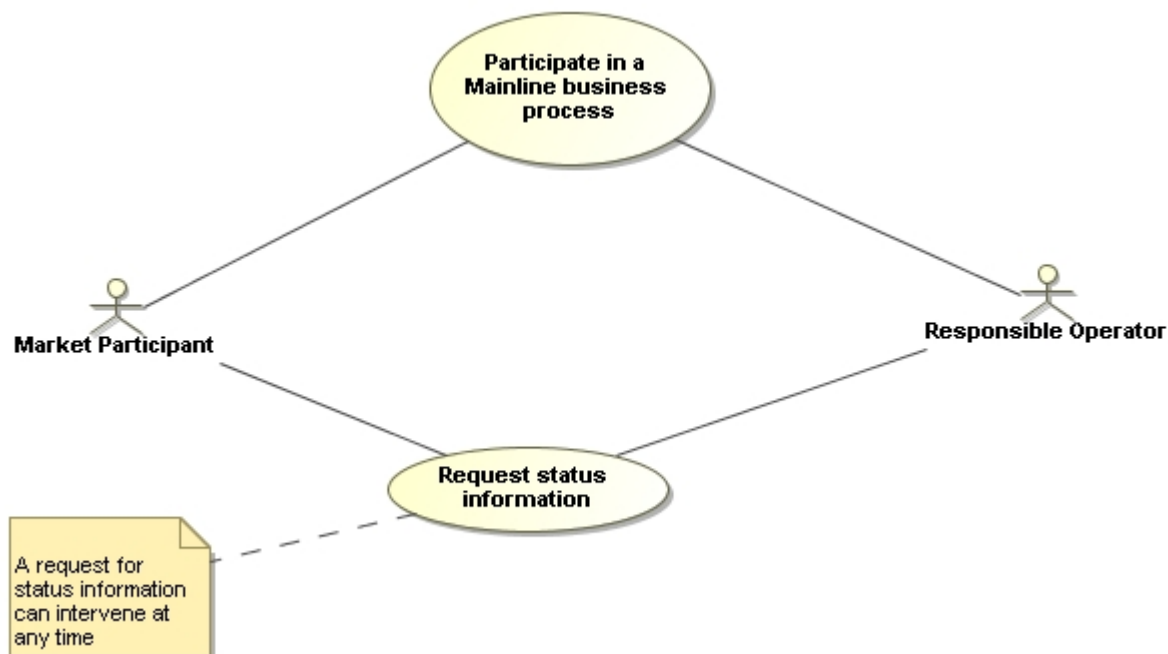


FIGURE 1: STATUS REQUEST USE CASE

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

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

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

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

4 STATUS REQUEST INFORMATION REQUIREMENTS

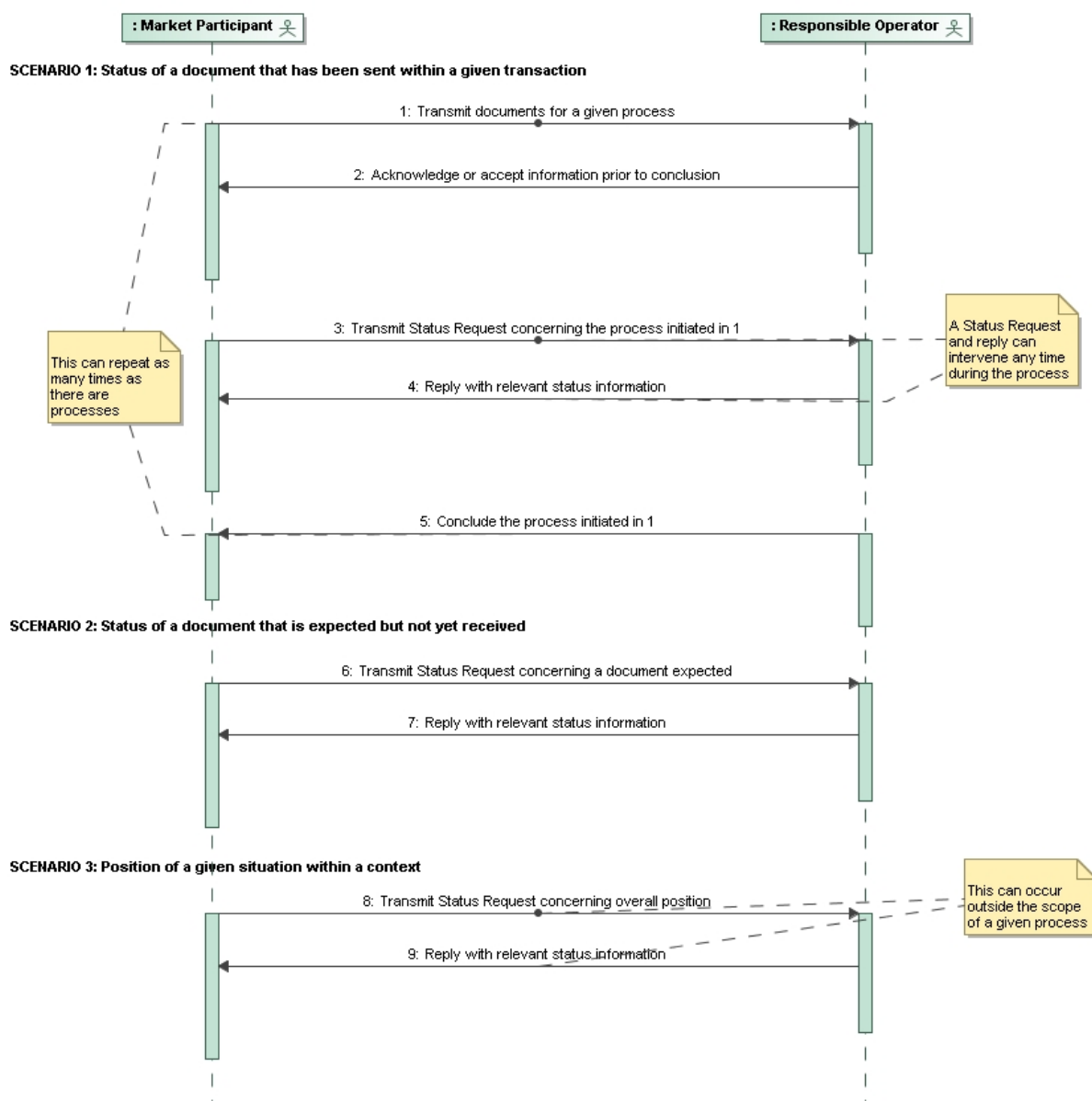


FIGURE 2: STATUS REQUEST SEQUENCE

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.

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

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

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

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

5 STATUS REQUEST IMPLEMENTATION

5.1 INFORMATION MODEL

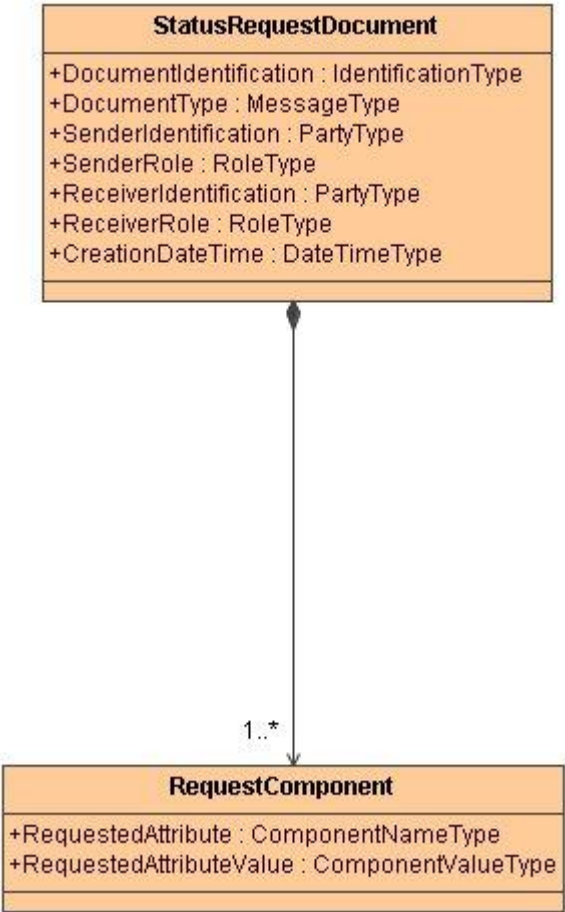


FIGURE 3: STATUS REQUEST DOCUMENT MODEL

5.2 RULES GOVERNING THE STATUS REQUEST DOCUMENT IMPLEMENTATION

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

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

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

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

5.3 STATUS REQUEST DOCUMENT CLASS SPECIFICATION

5.3.1 DOCUMENT IDENTIFICATION

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

186 5.3.2 DOCUMENTTYPE

ACTION	DESCRIPTION
Definition of element	The coded type of the document being sent.
Description	<p>The document type identifies the principal characteristic of the status request.</p> <p>The initial codes to be used is:</p> <p style="padding-left: 40px;">A59= status request for a status within a process</p> <p style="padding-left: 40px;">A60 = status request for a position independently from a specific process</p> <p>Refer to ENTSO-E Core Component Code list document for valid codes.</p>
Size	The document type value must be exactly 3 alphanumeric characters (no blanks).
Applicability	This information is mandatory.
Dependence requirements	None

187 5.3.3 SENDERIDENTIFICATION – CODINGScheme

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

188 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.

189 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.

190 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.

191 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.

5.4 REQUEST COMPONENT CLASS

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

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

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

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

5.4.1 REQUESTEDATTRIBUTE

ACTION	DESCRIPTION
Definition of element	The identification of an attribute for a given Request Component.
Description	<p>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.</p> <p>RequestedReturnDocumentType; Identification of a particular document that is expected as a reply. For example the MOL document.</p> <p>DateAndOrTime; The requests can be made for a specific date, and or Date Time. For example, it can be used for the Outage Document.</p> <p>For example for a status request concerning the ScheduleMessage the element tags “MessageIdentification”, “MessageDateTime” and “ProcessType” could be used.</p> <p>In the case of the Bid Document the element tags “DocumentIdentification”, “DocumentVersion” and “BidTimeInterval” could be used.</p>

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

204

5.4.2 REQUESTEDATTRIBUTEVALUE- CODINGScheme

ACTION	DESCRIPTION
Definition of element	The value of a given component.
Description	<p>Each Requested Attribute Component has associated with it a value that is identified in the Requested Attribute Value attribute.</p> <p>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.</p> <p>Refer to the ENTSO-E Core Component Code List document for valid coding Scheme codes.</p>
Size	<p>The maximum length of a Requested Attribute Value is 150 alphanumeric characters.</p> <p>The maximum length of the coding scheme code is 3 alphanumeric characters.</p>
Applicability	The Requested Attribute Value is mandatory; the coding scheme is dependent on the value characteristic.
Dependence requirements	None.

6 RESPONSE POSSIBILITIES

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

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

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

- The Scheduling process: the Intermediate Confirmation Report document and, if necessary, an Anomaly Report or Final Confirmation Report.
- The Settlement process: the Energy Account Report document.
- The Resource planning process: the Reserve Allocation Result document, the Resource Schedule Confirmation Report, the MOL document or the Activation documents.
- The Auction process: the Allocation Result or Total Allocation document, the Capacity Document, the Rights Document or the Publication Document.

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

7 STATUS REQUEST DOCUMENT EXAMPLES

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

Provide the status relative to a given process

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

Reply

An intermediate Confirmation Report for the interval in question

The equivalent XML instance is as follows:

```
?xml version="1.0" encoding="UTF-8"?>
<StatusRequestDocument xmlns="urn:entsoe.eu:wgedi:esr:statusrequestdocument:3:0">
  <DocumentIdentification v="Situation8"/>
  <DocumentType v="A59"/>
  <SenderIdentification codingScheme="A01" v="10X1001A1001A094"/>
  <SenderRole v="A08"/>
  <ReceiverIdentification codingScheme="A01" v="10X1001A1001A361"/>
  <ReceiverRole v="A04"/>
  <CreationDateTime v="2011-01-10T13:00:00Z"/>
  <RequestComponent>
    <RequestedAttribute v="ProcessType"/>
    <RequestedAttributeValue v="A17"/>
  </RequestComponent>
  <RequestComponent>
    <RequestedAttribute v="TimeInterval"/>
    <RequestedAttributeValue v="2011-01-10T23:00Z/2011-01-11T23:00Z"/>
  </RequestComponent>
</StatusRequestDocument>
```

Provide the situation related to primary control for a given party

DocumentIdentification	Situation7	
DocumentType	Position Request	
SenderIdentification	ELIA	EIC
SenderRole	Resource Provider	
ReceiverIdentification	TENNET_TSO	EIC
ReceiverRole	System operator	
CreationDateTime	2011-01-10T13:00:00Z	
RequestComponent	RequestedAttribute	RequestedAttributeValue
	Party	10X1001A1001A094
	BusinessType	A11
	TimeInterval	2011-01-10T13:00Z/2011-01-11T13:00Z

Reply

A Capacity Document for
the interval in question

The equivalent XML instance is as follows:

```

<StatusRequestDocument xmlns="urn:entsoe.eu:wgedi:esr:statusrequestdocument:3:0">
  <DocumentIdentification v="Situation7"/>
  <DocumentType v="A59"/>
  <SenderIdentification codingScheme="A01" v="10X1001A1001A094"/>
  <SenderRole v="A27"/>
  <ReceiverIdentification codingScheme="A01" v="10X1001A1001A361"/>
  <ReceiverRole v="A04"/>
  <CreationDateTime v="2011-01-10T13:00:00Z"/>
  <RequestComponent>
    <RequestedAttribute v="Party"/>
    <RequestedAttributeValue v="10X1001A1001A094"/>
  </RequestComponent>
  <RequestComponent>
    <RequestedAttribute v="BusinessType"/>
    <RequestedAttributeValue v="A11"/>
  </RequestComponent>
  <RequestComponent>
    <RequestedAttribute v="TimeInterval"/>
    <RequestedAttributeValue v="2011-01-10T13:00Z/2011-01-11T13:00Z"/>
  </RequestComponent>
</StatusRequestDocument>

```

8 XML SCHEMA DEFINITION

8.1 STATUS REQUEST DOCUMENT

8.1.1 STATUS REQUEST DOCUMENT – SCHEMA STRUCTURE

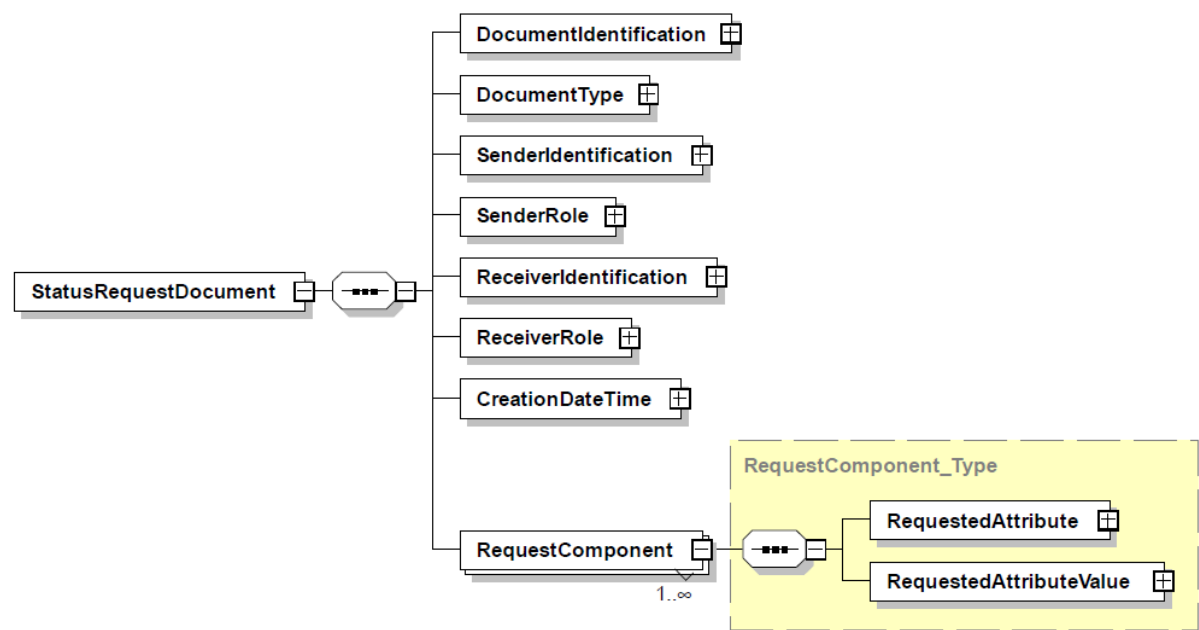


FIGURE 4: XML SCHEMA MODEL

8.1.2 STATUS REQUEST DOCUMENT – SCHEMA DEFINITION

```

274 <?xml version="1.0" encoding="UTF-8"?>
275 <xsd:schema xmlns:ecc="urn:entsoe.eu:wgedi:components" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
276 xmlns="urn:entsoe.eu:wgedi:esr:statusrequestdocument:3:0"
277 targetNamespace="urn:entsoe.eu:wgedi:esr:statusrequestdocument:3:0" elementFormDefault="qualified"
278 attributeFormDefault="unqualified">
279   <xsd:import namespace="urn:entsoe.eu:wgedi:components" schemaLocation="../../core/urn-entsoe-eu-wgedi-
280 components.xsd"/>
281   <xsd:include schemaLocation="urn-entsoe-eu-wgedi-esr-statusrequestdocument-3-0-restricted-codes.xsd"/>
282   <!--
283       ENTSO-E Document Automatically generated from a UML class diagram using XML.
284       Generation tool version 2.0
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:DocumentType">
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:complexType>
331   </xsd:element>
332   <xsd:complexType name="RequestComponent_Type">
333     <xsd:annotation>
334       <xsd:documentation/>
335     </xsd:annotation>
336     <xsd:sequence>
337       <xsd:element name="RequestedAttribute" type="ecc:ComponentNameType">
338         <xsd:annotation>
339           <xsd:documentation/>
340         </xsd:annotation>

```

```
341         </xsd:element>
342         <xsd:element name="RequestedAttributeValue" type="ecc:ComponentValueType">
343             <xsd:annotation>
344                 <xsd:documentation/>
345             </xsd:annotation>
346         </xsd:element>
347     </xsd:sequence>
348 </xsd:complexType>
349 </xsd:schema>
```

8.1.3 RESTRICTED CODELIST

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:ecl="urn:entsoe.eu:wgedi:codelists"
  elementFormDefault="qualified" attributeFormDefault="unqualified">
  <!-- import the codelists -->
  <xsd:import namespace="urn:entsoe.eu:wgedi:codelists" schemaLocation="../../core/urn-entsoe-eu-wgedi-
codelists.xsd"/>
  <!-- include the local message restrictions -->
  <xsd:include schemaLocation="urn-entsoe-eu-wgedi-esr-statusrequestdocument-3-0-local-restrictions.xsd"/>
  <!-- restricted codelists -->
  <xsd:complexType name="DocumentType">
    <xsd:attribute name="v" type="RestrictedDocumentType" use="required"/>
  </xsd:complexType>
  <xsd:simpleType name="StandardRestrictedDocumentType">
    <xsd:restriction base="ecl:StandardDocumentTypeList">
      <xsd:enumeration value="A59"/>
      <xsd:enumeration value="A60"/>
    </xsd:restriction>
  </xsd:simpleType>
  <xsd:simpleType name="RestrictedDocumentType">
    <xsd:union memberTypes="StandardRestrictedDocumentType LocalRestrictedDocumentType"/>
  </xsd:simpleType>
</xsd:schema>
```

9 APPENDIX 1 CONVERTING FROM ESR 1.1 TO ESR 3.0

The following XSLT text will enable the conversion from ESR 1.1 to ESR 3.0.

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:fo="http://www.w3.org/1999/XSL/Format">
<xsl:output omit-xml-declaration="no" method="xml" encoding="UTF-8"/>
<xsl:template match="/">
<StatusRequestDocument>
<DocumentIdentification>
<xsl:attribute name="v"><xsl:value-of select="StatusRequest/MessageIdentification/@v"/></xsl:attribute>
</DocumentIdentification>
<DocumentType>
<xsl:attribute name="v"><xsl:text>XX1</xsl:text></xsl:attribute>
<!-- _____ -->
<!--NOTE: The code XX1 must be converted to A59 or A60 depending on the type -->
<!-- _____ -->
</DocumentType>
<SenderIdentification>
<xsl:attribute name="v"><xsl:value-of select="StatusRequest/SenderIdentification/@v"/></xsl:attribute>
<xsl:attribute name="codingScheme"><xsl:value-of
select="StatusRequest/SenderIdentification/@codingScheme"/></xsl:attribute>
</SenderIdentification>
<SenderRole>
<xsl:attribute name="v"><xsl:value-of select="StatusRequest/SenderRole/@v"/></xsl:attribute>
</SenderRole>
<ReceiverIdentification>
<xsl:attribute name="v"><xsl:value-of select="StatusRequest/ReceiverIdentification/@v"/></xsl:attribute>
<xsl:attribute name="codingScheme"><xsl:value-of
select="StatusRequest/ReceiverIdentification/@codingScheme"/></xsl:attribute>
</ReceiverIdentification>
<ReceiverRole>
<xsl:attribute name="v"><xsl:value-of select="StatusRequest/ReceiverRole/@v"/></xsl:attribute>
</ReceiverRole>
<CreationDateTime>
<xsl:attribute name="v"><xsl:value-of select="StatusRequest/MessageDateTime/@v"/></xsl:attribute>
</CreationDateTime>
<RequestComponent>
<RequestedAttribute>
<xsl:attribute name="v"><xsl:text>DocumentType</xsl:text></xsl:attribute>
</RequestedAttribute>
<RequestedAttributeValue>
<xsl:attribute name="v"><xsl:value-of select="StatusRequest/MessageType/@v"/></xsl:attribute>
</RequestedAttributeValue>
</RequestComponent>
<RequestComponent>
<RequestedAttribute>
<xsl:attribute name="v"><xsl:text>ProcessType</xsl:text></xsl:attribute>
</RequestedAttribute>
<RequestedAttributeValue>
<xsl:attribute name="v"><xsl:value-of select="StatusRequest/ProcessType/@v"/></xsl:attribute>
</RequestedAttributeValue>
</RequestComponent>
<RequestComponent>
<RequestedAttribute>
<xsl:attribute name="v"><xsl:text>TimeInterval</xsl:text></xsl:attribute>
</RequestedAttribute>
<RequestedAttributeValue>
<xsl:attribute name="v"><xsl:value-of select="StatusRequest/RequestedTimeInterval/@v"/></xsl:attribute>
</RequestedAttributeValue>
</RequestComponent>
</StatusRequestDocument>
</xsl:template>
</xsl:stylesheet>
```


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

```
<?xml version="1.0" encoding="UTF-8"?>
<!--Sample XML file generated by XMLSpy v2008 sp1 (http://www.altova.com)-->
<StatusRequest>
  <MessageIdentification v="aaaaaaaaaaaaaaaaaaaaaaaaaaaaa"/>
  <MessageType v="A01"/>
  <ProcessType v="A01"/>
  <SenderIdentification codingScheme="A01" v="aaaaaaaaaaaaa"/>
  <SenderRole v="A01"/>
  <ReceiverIdentification codingScheme="A01" v="aaaaaaaaaaaaa"/>
  <ReceiverRole v="A01"/>
  <MessageDateTime v="2001-12-17T09:30:47.0Z"/>
  <RequestedTimeInterval v="2000-00-00T00:00Z/2000-00-00T00:00Z"/>
</StatusRequest>
```

To ESR 3.0 as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<StatusRequestDocument>
  <DocumentIdentification v="aaaaaaaaaaaaaaaaaaaaaaaaaaaaa"/>
  <DocumentType v="A59"/>
  <SenderIdentification v="aaaaaaaaaaaaaaa" codingScheme="A01"/>
  <SenderRole v="A01"/>
  <ReceiverIdentification v="aaaaaaaaaaaaaaa" codingScheme="A01"/>
  <ReceiverRole v="A01"/>
  <CreationDateTime v="2001-12-17T09:30:47.0Z"/>
  <RequestComponent>
    <RequestedAttribute v="DocumentType"/>
    <RequestedAttributeValue v="A01"/>
  </RequestComponent>
  <RequestComponent>
    <RequestedAttribute v="ProcessType"/>
    <RequestedAttributeValue v="A01"/>
  </RequestComponent>
  <RequestComponent>
    <RequestedAttribute v="TimeInterval"/>
    <RequestedAttributeValue v="2000-00-00T00:00Z/2000-00-00T00:00Z"/>
  </RequestComponent>
</StatusRequestDocument>
```