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ETSO Problem Statement Document

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Implementation Guide

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MEMBERS OF ETSO TASK FORCE EDI

Member	Company and affiliation
Maurizio Monti Convenor	RTE, FR
Nisheeth Singh	swissgrid, CH
Henrie Mathijssen	TenneT, NL
Lesław Winiarski	PSE Operator, PL
José Bembibre	REE, ES
Berthold Klammer	UCTE, DE
Adrian Willimann	EFET, CH
Hugh Brunswick	EFET, GB
Eric Lhelguen	TC57, FR
Alberto Gallucci	Terna, IT
Jon-Egil Nordvik	Statnett, NO
Lucy Sarkisian	ebIX, NL
David Bunney	National Grid, GB
Herwig Van den Bosch	Elia, BE
Martin Apko	CEPS, CZ
Sabine Bourdon	RTE, FR
Joachim Vanzetta	RWE Net, DE
Penny Vatsolaki	HTSO, GR
Mike Conroy, Consultant	Atos Origin, FR

Web site address: www.edi.etso-net.org

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REFERENCE DOCUMENTS

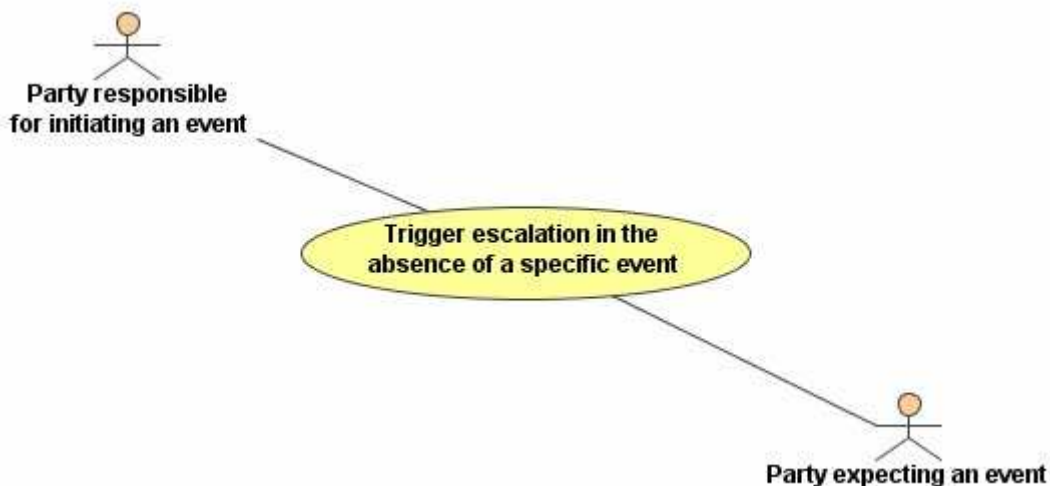
- 1) The ETSO Role Model
- 2) A Common Identification System for The Energy Industry, The Energy Identification Coding Scheme - EIC

58 **1 OBJECTIVE**

59 The objective of this document is to provide:

- 60 ✓ a means of informing a party that a document could not be issued by the expected time
- 61 and thus will be delayed (the approval of this delay depends upon the rules that have
- 62 been established between the parties);
- 63 ✓ an automated support in the case where an escalation procedure has to be put into
- 64 place when an expected event does not occur or a critical situation has to be resolved..

65 In all data exchanges, there are two parties involved:



66

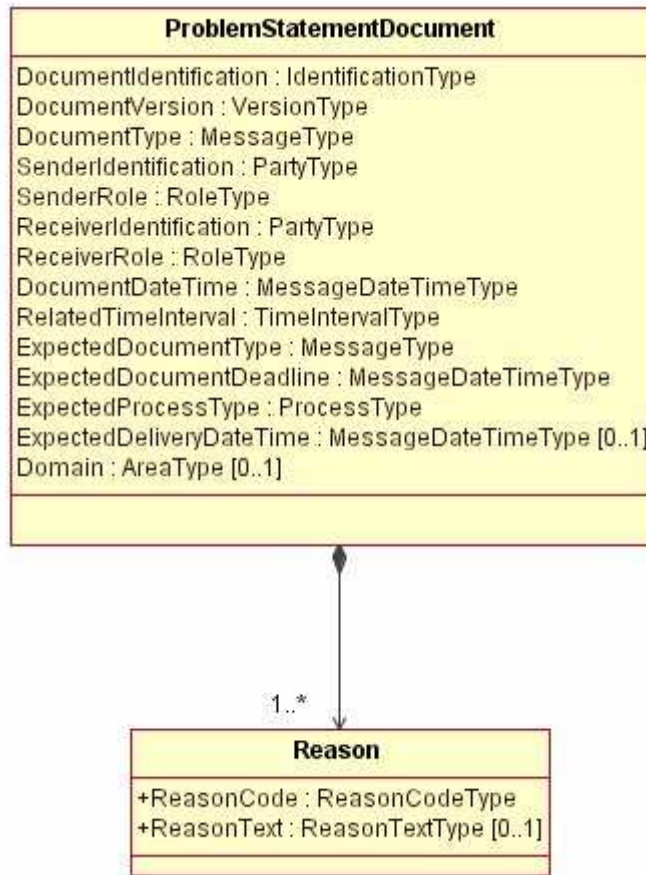
67 In a normal document exchange the “Party responsible for initiating an event” such as the
68 transmission of a document transmits this within a specified time period. The “Party
69 expecting an event” is waiting for the reception of the document in question within the agreed
70 timeframe.

71 The “Problem Statement Document” has a two-fold purpose hereafter described.

- 72 ✓ The first is in case where the “party responsible for initiating an event” is not in a
73 position (IT problems, etc.) to transmit an electronic document at the expected time.
74 This party may issue to the other party a Trouble Shooting Document stating when he
75 will be in a position to send the expected document. In such a case, this specific
76 exchange is for information and depending upon the rules agreed between the parties,
77 other data exchanges may occur such as confirmation of the time delay, etc.
- 78 ✓ The second is in the case where the expected document does not arrive by the time
79 specified the “party expecting an event” triggers the transmission of an Escalation
80 Document to inform the “party responsible for initiating an event” to initiate an
81 escalation procedure instead of sending the expected document.

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83 **2 PROBLEM STATEMENT DOCUMENT IMPLEMENTATION REQUIREMENTS**



84

85 **2.1. Problem Statement Document class specifications**

86 **2.1.1. Document Identification**

ACTION	DESCRIPTION
Definition of element	Unique identification of the document.
Description	Each Problem Statement Document shall be allocated a unique identification by the sender
Size	The identification of document may not exceed 35 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None

87 2.1.2. Document Version

ACTION	DESCRIPTION
Definition of element	Version of the document being sent. A document may be sent several times, each transmission being identified by a different version number that starts at 1 and increases sequentially.
Description	<p>The document version is used to identify a given version of a Problem Statement document and is used in the case of possible erroneous transmissions.</p> <p>The first version number for a given document identification shall normally be 1.</p> <p>The document version number must be incremented for each retransmission of a document that contains changes to the previous version.</p> <p>The receiving system should ensure that the version number for a document is superior to the previous version number received.</p>
Size	A version number may not exceed 3 numeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

88 2.1.3. Document Type

ACTION	DESCRIPTION
Definition of element	The coded type of the document being sent.
Description	<p>The document type identifies the information flow characteristics. The following codes have been initially identified:</p> <ul style="list-style-type: none"> ✓ A34: Escalation Document ✓ A35: Trouble shooting Document <p>Refer to Code list document for valid codes.</p>
Size	The document type value may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

89 **2.1.4. Sender Identification – Coding Scheme**

ACTION	DESCRIPTION
Definition of element	Identification of the party who is sending the document.
Description	<p>The sender of the document is identified by a unique coded identification. This code identifies the party that is the “owner” of the information being transmitted in the document.</p> <p>The codification scheme used for the coded identification is indicated by the coding scheme attribute. It is a 3 character alphanumeric code.</p> <p>Refer to 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.

90 **2.1.5. Sender Role**

ACTION	DESCRIPTION
Definition of element	Identification of the role that is played by the sender.
Description	<p>The sender role, which identifies the role of the sender within the document. The role shall be the one in relation with the “expected document”.</p> <p>Refer to Code list document for valid role codes.</p>
Size	The maximum length of a sender role is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

91 2.1.6. Receiver Identification – Coding Scheme

ACTION	DESCRIPTION
Definition of element	Identification of the party who is receiving the document.
Description	<p>The receiver of the document is identified by a unique coded identification.</p> <p>The codification scheme used for the coded identification is indicated by the coding scheme attribute. It is a 3 character alphanumeric code.</p> <p>Refer to Code list document for valid coding scheme codes.</p>
Size	<p>The maximum length of a receiver’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.

92 2.1.7. Receiver Role

ACTION	DESCRIPTION
Definition of element	Identification of the role played by the receiver.
Description	<p>The receiver role, which identifies the role of the receiver within the document. The role shall be the one in relation with the “expected document”.</p> <p>Refer to Code list document for valid role codes.</p>
Size	The maximum length of a receiver role is 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

93 **2.1.8. CreationDate And Time**

ACTION	DESCRIPTION
Definition of element	Date and time of that the document was prepared. The time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
Description	The date and time that the 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.

94 **2.1.9. Related Time Interval**

ACTION	DESCRIPTION
Definition of element	The beginning and ending date and time of the period concerned by the document, i.e., the one of the “expected document”.
Description	This information provides the start and end date and time covered by the document that is expected.
Size	The start and end date and time must be expressed as YYYY-MM-DDTHH:MMZ/YYYY-MM-DDTHH:MMZ.
Applicability	This information is mandatory.
Dependence requirements	None.

95 **2.1.10. Expected Document Type**

ACTION	DESCRIPTION
Definition of element	The coded type of the document either expected (escalation procedure) or not issued (problem statement).
Description	The document type identifies the information that was either not received (escalation) or not sent (problem statement). Refer to Code list document for valid codes.
Size	The document type value may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

96 **2.1.11. Expected Document Deadline**

ACTION	DESCRIPTION
Definition of element	Date and time of the expected transmission of the expected document. The time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
Description	The date and time that the document was expected by the receiver.
Size	The date and time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
Applicability	This information is mandatory.
Dependence requirements	None.

97 **2.1.12. Expected Process Type**

ACTION	DESCRIPTION
Definition of element	The nature of the process that the expected document is directed at.
Description	The process type identifies the process to which the information flow of the expected document is directed. Refer to ETSO Code list document for the valid list of codes.
Size	The expected process type value may not exceed 3 alphanumeric characters.
Applicability	This information is mandatory.
Dependence requirements	None.

98 **2.1.13. Expected Delivery Date Time**

ACTION	DESCRIPTION
Definition of element	Date and time of expected delivery of the document. The time must be expressed in UTC as YYYY-MM-DDTHH:MM:SSZ.
Description	The date and time when the document is expected to be 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	.Dependent
Dependence requirements	This information is mandatory for the Problem Statement Document when the reason code is A92 but not for the Escalation Document.

99 **2.1.14. Domain -codingScheme**

ACTION	DESCRIPTION
Definition of element	The domain covered within the Escalation Document.
Description	The codification scheme used for the coded identification is indicated by the coding scheme attribute. It is a 3 character alphanumeric code. Refer to Code list document for valid coding scheme codes.
Size	The maximum length of this information is 16 alphanumeric characters. The maximum length of the coding scheme code is 3 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	Usage is defined by local market rules

100 **2.2. Rules governing the Reason class**

101 The reason class provides the reason for the transmission of the Problem Statement
102 Document.

103 **2.2.1. Reason code**

ACTION	DESCRIPTION
Definition of element	A coded indication of the reason for the transmission of the document..
Description	The reason code is used to identify the reason for the transmission of the .document. If necessary additional information may be provided in the Reason Text. The following codes have currently been identified: <ul style="list-style-type: none"> ✓ A91: Expected document not received. ✓ A92: Not possible to send document on time, but estimated delivery time is provided. ✓ A93: Not possible to send document on time, and further more no expected time of return to normal situation.
Size	The maximum length of this information is 3 alphanumeric characters.
Applicability	This information is Mandatory.
Dependence requirements	None

104 2.2.2. Reason Text

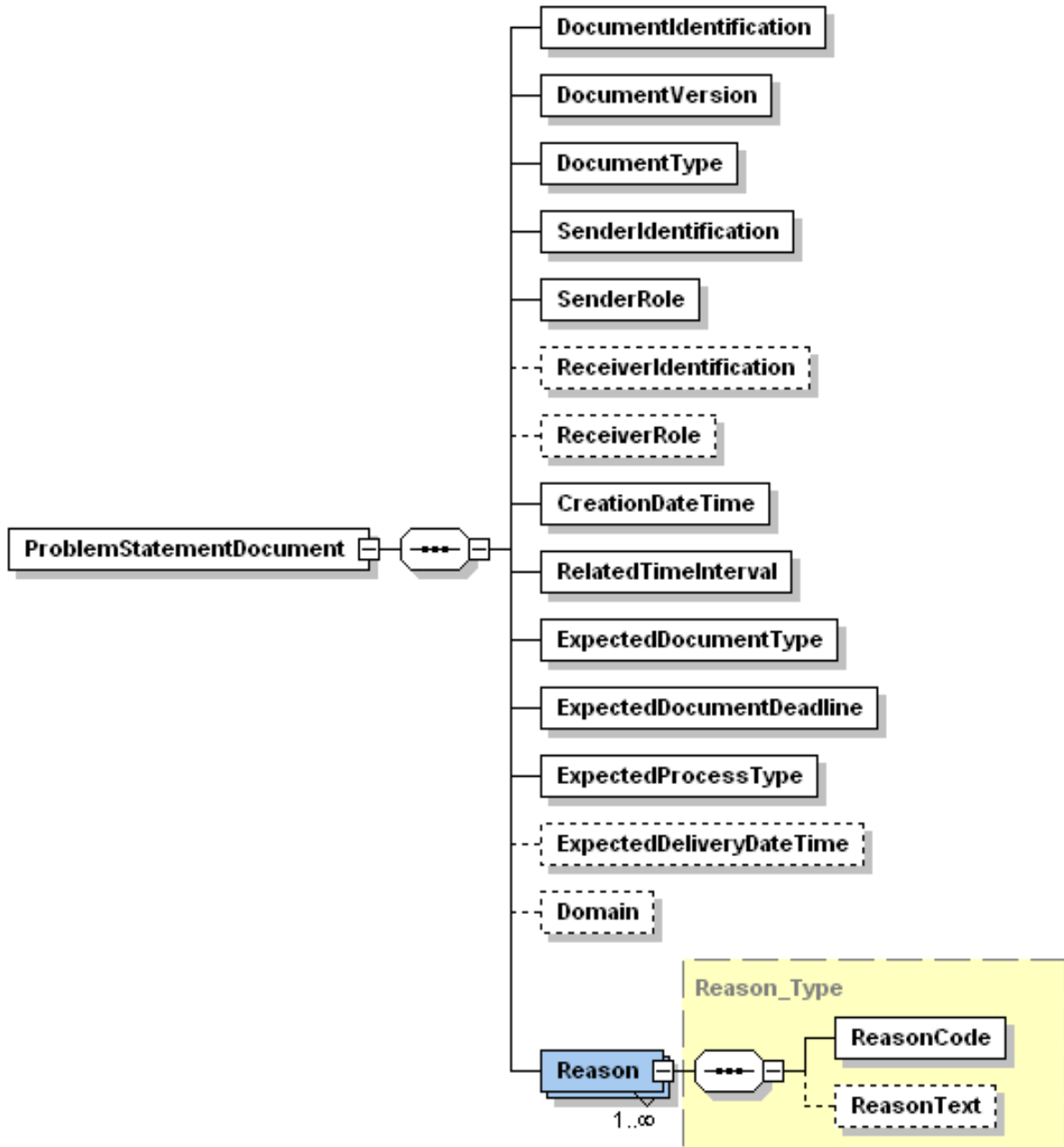
ACTION	DESCRIPTION
Definition of element	Additional textual information.
Description	Additional textual information may be provided to further detail the motivations for the transmission of the document.
Size	The maximum length of this information is 512 alphanumeric characters.
Applicability	This information is dependent.
Dependence requirements	Only used if additional explanatory information is necessary.

105 3 XML DEFINITIONS

106 3.1. Problem Statement Document

107 3.1.1. Problem Statement Document - Schema Structure

108



109 3.1.2. Problem Statement Document - Schema

```
110 <?xml version="1.0" encoding="UTF-8"?>
111 <xsd:schema xmlns:ecc="etso-core-cmpts.xsd" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
112 elementFormDefault="qualified" attributeFormDefault="unqualified" ecc:VersionRelease="4.0">
113   <xsd:import namespace="etso-core-cmpts.xsd" schemaLocation="etso-core-cmpts.xsd"/>
114   <!--
115     ETSO Document Automatically generated from a UML class diagram using XML.
116     Generation tool version 1.7
117   -->
118   <xsd:element name="ProblemStatementDocument">
119     <xsd:complexType>
120       <xsd:annotation>
121         <xsd:documentation/>
122       </xsd:annotation>
123       <xsd:sequence>
124         <xsd:element name="DocumentIdentification" type="ecc:IdentificationType">
125           <xsd:annotation>
126             <xsd:documentation/>
127           </xsd:annotation>
128         </xsd:element>
129         <xsd:element name="DocumentVersion" type="ecc:VersionType">
130           <xsd:annotation>
131             <xsd:documentation/>
132           </xsd:annotation>
133         </xsd:element>
134         <xsd:element name="DocumentType" type="ecc:MessageType">
135           <xsd:annotation>
136             <xsd:documentation/>
137           </xsd:annotation>
138         </xsd:element>
139         <xsd:element name="SenderIdentification" type="ecc:PartyType">
140           <xsd:annotation>
141             <xsd:documentation/>
142           </xsd:annotation>
143         </xsd:element>
144         <xsd:element name="SenderRole" type="ecc:RoleType">
145           <xsd:annotation>
146             <xsd:documentation/>
147           </xsd:annotation>
148         </xsd:element>
149         <xsd:element name="ReceiverIdentification" type="ecc:PartyType" minOccurs="0">
150           <xsd:annotation>
151             <xsd:documentation/>
152           </xsd:annotation>
153         </xsd:element>
154         <xsd:element name="ReceiverRole" type="ecc:RoleType" minOccurs="0">
155           <xsd:annotation>
156             <xsd:documentation/>
157           </xsd:annotation>
158         </xsd:element>
159         <xsd:element name="CreationDateTime" type="ecc:MessageDateTimeType">
160           <xsd:annotation>
161             <xsd:documentation/>
162           </xsd:annotation>
163         </xsd:element>
164         <xsd:element name="RelatedTimeInterval" type="ecc:TimeIntervalType">
165           <xsd:annotation>
166             <xsd:documentation/>
167           </xsd:annotation>
168         </xsd:element>
169         <xsd:element name="ExpectedDocumentType" type="ecc:MessageType">
170           <xsd:annotation>
171             <xsd:documentation/>
172           </xsd:annotation>
173         </xsd:element>
174         <xsd:element name="ExpectedDocumentDeadline" type="ecc:MessageDateTimeType">
175           <xsd:annotation>
176             <xsd:documentation/>
177           </xsd:annotation>
178         </xsd:element>
179         <xsd:element name="ExpectedProcessType" type="ecc:ProcessType">
180           <xsd:annotation>
```



```

181         <xsd:documentation/>
182     </xsd:annotation>
183 </xsd:element>
184 <xsd:element name="ExpectedDeliveryDateTime" type="ecc:MessageDateTimeType" minOccurs="0">
185     <xsd:annotation>
186         <xsd:documentation/>
187     </xsd:annotation>
188 </xsd:element>
189 <xsd:element name="Domain" type="ecc:AreaType" minOccurs="0">
190     <xsd:annotation>
191         <xsd:documentation/>
192     </xsd:annotation>
193 </xsd:element>
194 <xsd:element name="Reason" type="Reason_Type" maxOccurs="unbounded"/>
195 </xsd:sequence>
196 <xsd:attribute name="DtdVersion" type="xsd:string" use="required"/>
197 <xsd:attribute name="DtdRelease" type="xsd:string" use="required"/>
198 </xsd:complexType>
199 </xsd:element>
200 <xsd:complexType name="Reason_Type">
201     <xsd:annotation>
202         <xsd:documentation/>
203     </xsd:annotation>
204     <xsd:sequence>
205         <xsd:element name="ReasonCode" type="ecc:ReasonCodeType">
206             <xsd:annotation>
207                 <xsd:documentation/>
208             </xsd:annotation>
209         </xsd:element>
210         <xsd:element name="ReasonText" type="ecc:ReasonTextType" minOccurs="0">
211             <xsd:annotation>
212                 <xsd:documentation/>
213             </xsd:annotation>
214         </xsd:element>
215     </xsd:sequence>
216 </xsd:complexType>
217 </xsd:schema>

```