


Minutes ETC meeting, March 16 th and 17 th , 2010	 European forum for energy Business Information eXchange
March 26 th , 2010	ETC - ebIX [®] Technical Committee

Minutes ETC meeting, March 16th and 17th, 2010

Date: Tuesday and Wednesday, March 16th and 17th, 2010
Time: 9:00 - 18:00 and 9:00 - 16:00
Place: EdiSys offices in Oslo
Participants: Christian Le, Statnett (day 1)
Jan Owe, SvK (day 1)
Kees Sparreboom, TenneT
Ove Nesvik, EdiSys

Attachment:



See item 4.1, *UPCC profiles*

1 Approval of agenda

The agenda was approved with the following additions:

- Questions and requests *from CuS*, see 11.1 under AOB

2 Minutes from previous meetings

The minutes from previous meeting were approved.

3 Review of UMM2 version of the ebIX[®] model - Main item for the meeting

Ove had update the EEM-Structure BCV and BIV part of the model, with all *Change-of-Supplier* class diagrams (Request, Confirm, Reject and Notify) and the *Notify Metering point characteristics diagram*, while Kees had updated the EEM-Measure collect process BCV and BIV part of the model, with examples of class diagrams.

The homework was reviewed and the profiles updated with new BIEs and data types. Changes agreed during review:

- A proposal for a *Context ACC*, containing the Context types from UPCC was made. In addition an *Energy_Context ABIE* was made. This includes:
 - The current *Role* was renamed to *BusinessProcess_Role*
 - The current *Transaction_Reason* was renamed to *BusinessProcess*
 - The current *BusinessSector_Code* was renamed to *EnergyIndustryClassification*
 - The *BusinessProcess* and *EnergyIndustryClassification* were made required [1]
- For CuS two “UNSM-like” MP structures were made; one for MP Requests and one for MP Master Data. In addition a generic Responses structure was made, which may be reused, at least for negative responses, by all CuS and EMD processes. The main reasoning for making three structures is efficiency, i.e. the structures are similar within the three basic structures and the number of OCL statements will be limited.
- A new numeric BDT was made for Altitude, Longitude and Latitude

OCL discussions:

- It was discussed if OCL constraints shall be stereotyped as <<invariants>>, as stated in the OCL documentation, however without a conclusion.

- It was also discussed if we should rename CD **Q**DT PLD to CD **B**DT PLD, or maybe to **Content Constraint**, since the constraint may be used for more than the *Payload*, also this without a conclusion.
- For the time being we use the following naming conventions for constraints:
 - CD BDT PLD (payload) is used for constraining the payload content, i.e. making facets in xml.
 - CD STR PLD is used for constraining the structure below payload
 - CD STR DOC is restricting the header part, i.e. *Payload*, *Process* and *Attached*
 - CD DEP is specifying dependencies

And some agreed changes to the UMM2 models:

- The direction of the dependencies in the *Business Entity View* that reference valid codes shall be directed from the relevant attribute to the enumeration, to get rid of Orphaned Proxies.

Homework:

- Kees and Ove will clean up the CuS and EMD models and add more documents.

4 MagicDraw profiles

4.1 UPCC profiles

Kees had updated the UPCC profile according to latest version available for UPCC and had had a discussion with TMG related to questions that turned up during the update. The discussion was documented in a Word document distributed before the meeting, which was reviewed. Several new questions were added, including errors found by Jan (see next item). These new questions will be forwarded to TMG.

4.2 UMM foundation profiles

Jan had verified and updated the UMM base and foundation profiles according to latest version available for UMM (http://www.untmg.org/umm/spec/foundation/2_0), and the following comments and/or errors were discussed. Errors will be forwarded to TMG:

- **UMM2 - Business Domain View**
 - Within bProcessUC:
 - *exceptions* is [1..*] in the diagrams, but [0..*] in the description
 - *actions* is [1..*] in the diagrams, but [0..*] in the description
 - The meta class ObjectNode (term in the description) is called Object in the diagram (cfr page 25)
- **UMM2 - Business Transaction View**
 - *Pin* (in the description) is called *ActionPin* in the diagram
 - TransactionPattern changed from *stereotype* to *enumeration*
- **UMM2 - Business Collaboration View**
 - Changed "Dependency" to Association as metaclass for participats in the *Short profile*.
 - The Metaclass *CallBehaviorAction* and the stereotypes *bTransactionAction* and *bCollaborationAction* are mixed up with *Action* and the stereotypes *bTransactionCall* and *bCollaborationCall*. The short profile was corrected to stereotypes *bTransactionCall* and *bCollaborationCall*
 - A "private String" (- **_metatype: string = Nested Business...**) was not added to bNestedCollaboration, since it was assumed wrong. Cfr page 79 "No tagged values".
 - Have changed metaClass for *InitiationFlow* and *RespondingFlow* from *Dependancy* to *Information Flow*.
- **Reviewed UMM2 - Business Realization View**
 - A comment was made to TMG related to [0..*] relationships between bProcessUCs and missing tagged value (+context : String).
- **Other comments**
 - Errors found in http://www.untmg.org/umm/spec/foundation/2_0

- Row 735, "TimeExpression" should be corrected to "String".
- Row 1127, "context" is missing in "bCollaborationUC"

There is however still missing and not updated documentation in the UMM profiles. Jan is asked to verify and update the documentation before the profiles is sent to TMG for update on their web site.

During this item ebIX stereotypes, e.g. <<e-ENUM>>, were reviewed. Several tagged values, such as CodeListResponsible, CodeListIdentifier and UNCL, which now are available in the UPCC profile, will be moved to the UPCC stereotypes. However this will be done together with the update of the UML to XML transformation tool.

Homework:

- Jan is asked to verify and update the documentation in the UMM2 profiles before next meeting.

5 National code lists for inclusion in the ebIX[®] profiles.

Adrian Fuchs (CuS) is the only one that has come up with national codes for inclusion in the ebIX[®] profiles. Since there only were a few Swiss codes, Kees hadn't created any list. However Jan promised to find Swedish codes and Ove will find Norwegian codes, before next meeting.

The national codes available in the current ebIX profile will be sent to CuS and EMD as a word document, asking if this is the complete set of needed national codes, see Appendix C, National code lists.

Homework:

- Jan and Ove will come up with Swedish and Norwegian national codes

6 How to publish, distribute and make national customisations of the ebIX[®] models

The Item was postponed.

7 New modelling features

The Item was postponed.

8 Proposal for updated and simplified ebIX[®] Methodology

The Item was postponed.

9 If time items (candidates for items, but only if proposals for discussion are available)

No proposals for discussion were available and the item was skipped.

10 Next meeting(s), including start and end time.

- April Tuesday 13th and Wednesday 14th, Vienna (before next ebIX[®] Forum spring meeting)

11 AOB

11.1 Questions and requests from CuS

Should the *Reason for transaction* reflect the whole process or only the transaction? I.e. Should the *Reason for transaction* in the *End of supply* process be *Change of supplier* or *End of supply*?

CuS has agreed to either use role names from the Harmonised role model or a completely different name, if another role is expressed. E.g. *Supplier* should not be use, since it is too easy to mix up with *Balance supplier*.

The items were postponed to next meeting.

Appendix A THE TASKS OF THE *GENERAL ETC* AND THE *ETC MODELLING EXPERT GROUP*

Task	Group	Priority	Planned
Maintain the ebIX [®] technical documents: <ul style="list-style-type: none"> • ebIX[®] Modelling Methodology (Draft for v2.0A) • ebIX[®] Modelling Methodology (Draft for v2.1A) <ul style="list-style-type: none"> ○ Evaluate if a paragraph related to OO modelling is needed when the first complete ebIX[®] UMM compliant model is available. ○ National customisation using the <i>Business realisation View</i> • ebIX[®] common rules and recommendations (v1r1D) • ebIX[®] Recommendations for acknowledgement and error handling (v1r0C) • ebIX[®] Recommended identification schemes for the European energy industry (v1r1D) 	General ETC	Urgent To be done When need To be done When need	Q1 2009 Q2 2009
Maintain ebIX profile for MagicDraw, including: <ul style="list-style-type: none"> • Core Components • Code lists • Templates, etc. 	ETC Modelling expert group		Q2 2009 (after EMD and CuS RSM)
Participation/representation in the ETSO, EFET and ebIX [®] Harmonisation group <ul style="list-style-type: none"> • Maintaining harmonised role model • Core Components • Information exchange between participation organisations 	Participants from General ETC		
Participation in: <ul style="list-style-type: none"> • UN/CEFACT <ul style="list-style-type: none"> ○ TBG1 ○ TMG • ETSO/TF-EDI • IEC/TC57/WG16 	Participant(s) from ETC Modelling expert group		
Input of information for the ebIX [®] web site	General ETC	Urgent	
Organise implementation support, such as: <ul style="list-style-type: none"> • ebIX[®] course • Implementation support for participating countries, such as inserting/updating codes. 	General ETC	When need	
Supporting ebIX [®] projects, i.e.: <ul style="list-style-type: none"> • Develop and maintain the UMM <i>Business Choreography View</i> and <i>Business Information View</i> from the CuS and EMD working groups. • Develop and maintain XML schemas based on the <i>Business Information View</i> from the CuS and EMD working groups • Integration of the ebIX[®] model for acknowledgement and error handling into ebIX[®] models (UMM compliant) • Maintain ebIX[®] Domain model 	ETC Modelling expert group	Urgent	Q1 2009
Maintaining EMD and CuS models when standards of relevance are updated, i.e.:	ETC Modelling	When need	

Task	Group	Priority	Planned
<ul style="list-style-type: none"> • UMM • NDR • CCL (and CCTS) • UPCC • Harmonised European role model 	expert group		
Follow up on request to UPCC project: <ul style="list-style-type: none"> • Proposal for addition of the property <i>Status</i> to the <i>CodelistEntry</i> stereotype. 	ETC Modelling expert group	Continuous follow up	

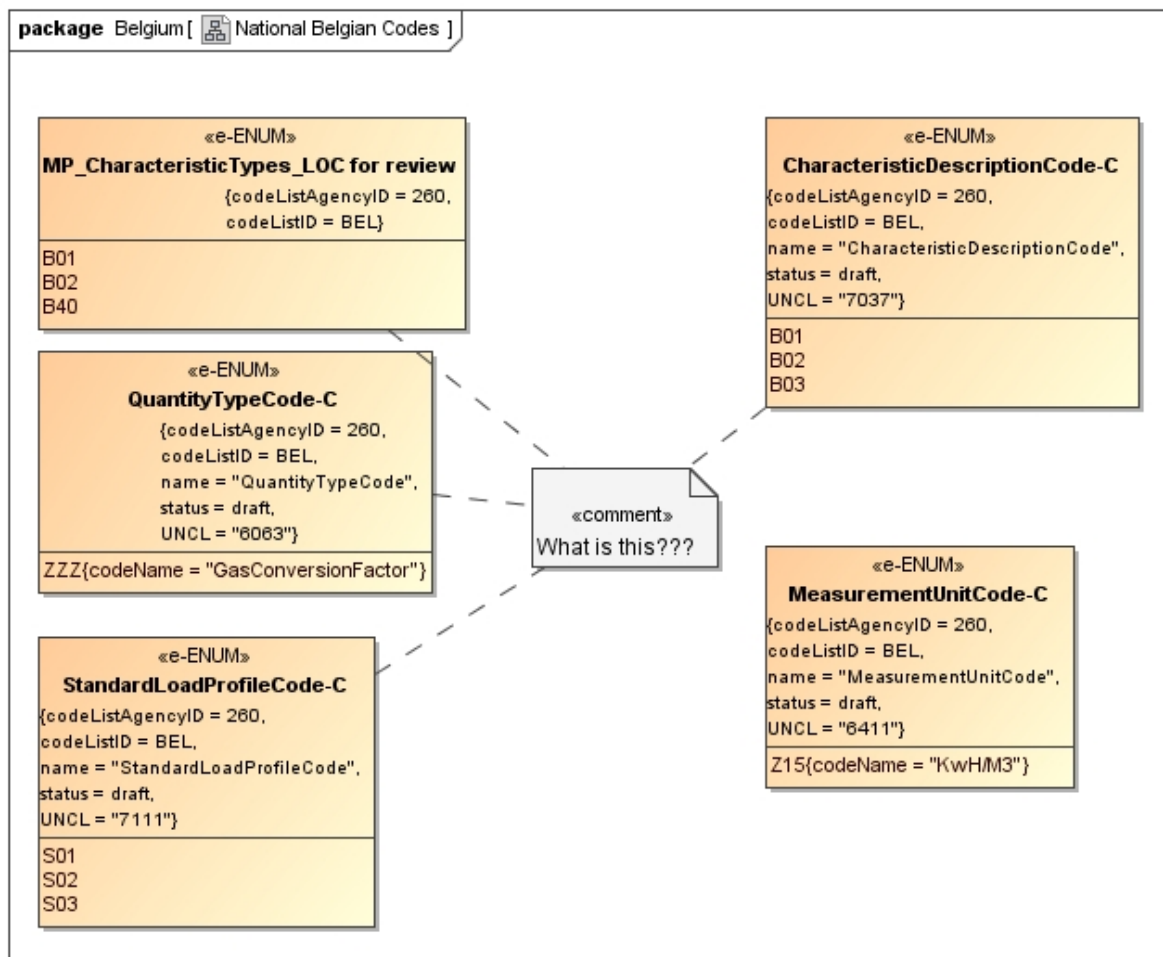
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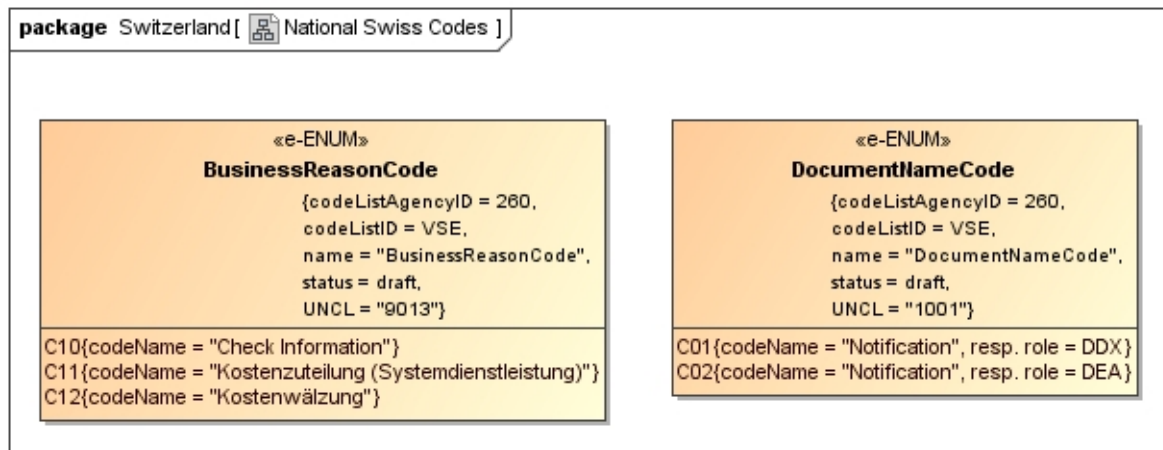
Appendix C NATIONAL CODE LISTS

National codes overview March 2010

C.1 Belgium



C.2 Switzerland



C.3 The Netherlands

package The Netherlands [National Codes The Netherlands]

<div><div>«e-ENUM»</div><div>BusinessReasonCode</div><div>(codeListAgencyID = 260, codeListID = EBO, name = "BusinessReasonCode", status = draft, UNCL = "6013")</div></div> <div>C01(codeName = "Offer Regulating Power") C02(codeName = "Offer Reserve Power for Balancing") C03(codeName = "Offer Reserve Power Other") C04(codeName = "Overview Activated Reserve Power Other") C05(codeName = "Activate Reserve Power Other") E24(codeName = "Change of meter characteristic, last stand") E25(codeName = "Change of meter characteristic, first stand") E69(codeName = "Transparency, daily production") E71(codeName = "Transparency, regulating & reserve") E70(codeName = "Transparency, quarterly production") E0A(codeName = "Imbalance Settlement, Request corrected data") E0B(codeName = "Imbalance Settlement, Request data") E0C(codeName = "Imbalance Settlement, Request Data without estimates") N01(codeName = "Interchange power schedule")</div>	<div><div>«e-ENUM»</div><div>ElectricitySLPCCode</div><div>(codeListAgencyID = 260, codeListID = DPO, name = "ElectricitySLPCCode", status = draft, UNCL = "7111")</div></div> <div>1A 2A 2B 1C 1B 3A 3B 3C 3D 4A</div>	<div><div>«e-ENUM»</div><div>LeadTimeCode</div><div>(codeListAgencyID = 260, codeListID = TNT, name = "LeadTimeCode", status = draft, UNCL = "7111")</div></div> <div>E27(codeName = "Instantaan") E28(codeName = "Binnen 15 minuten") E29(codeName = "Tussen 15 en 30 minuten") E30(codeName = "Tussen 30 minuten en 2 uur") E31(codeName = "Tussen 2 en 8 uur") E32(codeName = "Meer dan 8 uur") E33(codeName = "Mits brandstofcontract") E34(codeName = "Reeds gecontracteerd")</div>	<div><div>«e-ENUM»</div><div>TechnicalFailureCode</div><div>(codeListAgencyID = 260, codeListID = TNT, name = "TechnicalFailureCode", status = draft, UNCL = "7111")</div></div> <div>E15(codeName = "Vetel") E16(codeName = "Stoorturbine") E17(codeName = "Gasturbine") E18(codeName = "Generator") E19(codeName = "Condensor") E20(codeName = "Niet aansluiting") E21(codeName = "Warmtelevering") E22(codeName = "Brandstoftoevoer systemen") E23(codeName = "Pompen") E24(codeName = "Regelsysteem") E25(codeName = "Overig") E26(codeName = "not used")</div>
<div><div>«e-ENUM»</div><div>CauseCapacityChangeCode</div><div>(codeListAgencyID = 260, codeListID = TNT, name = "CauseCapacityChangeCode", status = draft, UNCL = "7111")</div></div> <div>E10(codeName = "Technical failure") E11(codeName = "Maintenance") E12(codeName = "Conservation") E13(codeName = "Environment") E14(codeName = "License") E35(codeName = "Technical limitations production unit or connection") E36(codeName = "Technical limitations fuel supply") E37(codeName = "Technical limitations heat disposal")</div>	<div><div>«e-ENUM»</div><div>EValueCode</div><div>(codeListAgencyID = 260, codeListID = EBO, name = "EValueCode", status = draft, UNCL = "")</div></div> <div>E00(codeName = "unknown") E01(codeName = "106") E02(codeName = "125") E03(codeName = "135") E04(codeName = "150") E05(codeName = "163") E06(codeName = "180") E07(codeName = "325") E08(codeName = "335") E09(codeName = "350") E10(codeName = "363") E11(codeName = "360")</div>	<div><div>«e-ENUM»</div><div>MeteringMethodCode</div><div>(codeListAgencyID = 260, codeListID = EBO, name = "MeteringMethodCode", status = draft, UNCL = "7111")</div></div> <div>007(codeName = "Simme meter pre-NTA") 008(codeName = "Simme meter NTA8130 versie 1")</div>	
	<div><div>«e-ENUM»</div><div>GasSLPCCCode</div><div>(codeListAgencyID = 260, codeListID = DPO, name = "GasSLPCCCode", status = draft, UNCL = "7111")</div></div> <div>G1A G2A G2B G2C GGV GKV GXX</div>	<div><div>«e-ENUM»</div><div>MeterReadingOriginCode</div><div>(codeListAgencyID = 260, codeListID = EBO, name = "EstimationMethodCode", status = draft, UNCL = "7111")</div></div> <div>E08(codeName = "Estimated by Netbeheerder") E09(codeName = "Estimated by Netbeheerder after consulting other parties") E10(codeName = "Estimated by Balance responsible (PV-er)") N01(codeName = "Read by Netbeheerder") N02(codeName = "Determined by Netbeheerder") N03(codeName = "Negotiated by parties connected to grid")</div>	
<div><div>«e-ENUM»</div><div>CharacteristicDescriptionCode</div><div>(codeListAgencyID = 260, codeListID = EBO, name = "CharacteristicDescriptionCode", status = draft, UNCL = "7037")</div></div> <div>E18(codeName = "Generator fuel") E19(codeName = "Cause for change in available generator capacity") E20(codeName = "Lead time, coded") E21(codeName = "Technical failure") E24(codeName = "Temporary Dutch Register Description") E25(codeName = "Consumption Category") E26(codeName = "Physical Capacity") E27(codeName = "") E28(codeName = "Triggering Role") E29(codeName = "Activation time") E30(codeName = "Activation period") E31(codeName = "Ramp rate")</div>	<div><div>«e-ENUM»</div><div>GeneratorFuelCode</div><div>(codeListAgencyID = 260, codeListID = TNT, name = "GeneratorFuelCode", status = draft, UNCL = "7111")</div></div> <div>E01(codeName = "Sun") E02(codeName = "Wind") E03(codeName = "Water") E04(codeName = "Biomass") E05(codeName = "Coal") E06(codeName = "Gas") E07(codeName = "Oil") E08(codeName = "Nuclear") E09(codeName = "Other")</div>	<div><div>«e-ENUM»</div><div>MeterTypeCode</div><div>(codeListAgencyID = 260, codeListID = EBO, name = "MeterTypeCode", status = draft, UNCL = "")</div></div> <div>M01(codeName = "Daily remote readable") M02(codeName = "Other") M03(codeName = "Smart meter")</div>	
<div><div>«e-ENUM»</div><div>ConsumptionCategoryCode</div><div>(codeListAgencyID = 260, codeListID = EBO, name = "ConsumptionCategoryCode", status = draft, UNCL = "")</div></div> <div>C01(codeName = "Retail") C02(codeName = "Wholesale")</div>	<div><div>«e-ENUM»</div><div>DutchCapacityID</div><div></div></div> <div>empty, to be defined by Dutch Netbeheerders</div>	<div><div>«e-ENUM»</div><div>NationalEidneVersion</div><div>(codeListAgencyID = 260, codeListID = EBO, name = "NationalEidneVersion", status = draft, UNCL = "6013")</div></div> <div>E4NL32(codeName = "Eidne version = B-con release 8 (June 2005)") E4NL33(codeName = "Eidne version = B-con release 9 (November 2005)") E4NL34(codeName = "Eidne version = B-con release 10 (November 2006)") E4NL35(codeName = "Eidne version = B-con release 11 (November 2007)") E4NL36(codeName = "Eidne version = NEDU release 12 (November 2008)") E4NL37(codeName = "Eidne version = NEDU release 13 (June 2009)") E5NL32(codeName = "Eidne version = B-con release 8 (June 2005)") E5NL33(codeName = "Eidne version = B-con release 9 (November 2005)") E5NL34(codeName = "Eidne version = B-con release 10 (November 2006)") E5NL35(codeName = "Eidne version = B-con release 11 (November 2007)") E5NL36(codeName = "Eidne version = NEDU release 12 (November 2008)") E5NL37(codeName = "Eidne version = NEDU release 13 (June 2009)")</div>	
<div><div>«e-ENUM»</div><div>DocumentNameCode</div><div>(codeListAgencyID = 260, codeListID = TNT, name = "Noted DocumentTypeCode", status = draft, UNCL = "1001")</div></div> <div>C01(codeName = "Commercial Transaction to SO") C02(codeName = "Notification from SO") E01(codeName = "Production nomination") E02(codeName = "Aggregated production nomination") E09(codeName = "Master data balance responsibility") E17(codeName = "Schedule for delta values") E18(codeName = "Response to schedule delta values") E23(codeName = "Metered data for profiling") E24(codeName = "Aggregated metered data from Grid Company to Balance Supplier") E25(codeName = "Reconciled volumes to the Billing Agent") E26(codeName = "Reconciled volumes to Balance Responsible") E28(codeName = "Metered data Correction factor from Grid Company") E29(codeName = "Reconciled Volumes from Balance Responsible to Balance Supplier") E36(codeName = "Master data transport responsibility") E56(codeName = "Planned quantities to System Operator") E57(codeName = "Confirmation/rejection of planned quantities by System Operator") N01(codeName = "Request to TSO") N02(codeName = "Response from TSO") N03(codeName = "Notification by TSO")</div>	<div><div>«e-ENUM»</div><div>GValueCode</div><div>(codeListAgencyID = 260, codeListID = EBO, name = "GValueCode", status = draft, UNCL = "")</div></div> <div>G01(codeName = "4") G02(codeName = "6") G03(codeName = "10") G04(codeName = "16") G05(codeName = "25") G06(codeName = "40") G07(codeName = "65") G08(codeName = "100") G09(codeName = "160") G10(codeName = "250") G11(codeName = "400") G12(codeName = "650") G13(codeName = "1000") G14(codeName = "1600") G15(codeName = "2500") G00(codeName = "Unknown")</div>	<div><div>«e-ENUM»</div><div>ResponseReasonDescriptionCode</div><div>(codeListAgencyID = 260, codeListID = EBO, name = "ResponseReasonDescriptionCode", status = draft, UNCL = "6013")</div></div> <div>E46(codeName = "Meter stand and metering date do not correspond") E76(codeName = "MP ID and additional information do not correspond") M03(codeName = ">1 TCR for Metering Point") N01(codeName = "Reference to unknown request") N02(codeName = "Invalid identification") N03(codeName = "Invalid activation period") N04(codeName = "Invalid activation time") N05(codeName = "Invalid ramp rate") N06(codeName = "Invalid capacity") N07(codeName = "Price out of range") N08(codeName = "Received after gate closure") N09(codeName = "Price has been corrected") N10(codeName = "Updates are not allowed") N11(codeName = "Invalid reference") N12(codeName = "Data not in line with contract") N13(codeName = "Date of operation cannot be in the past") N14(codeName = "Date of operation is too far in the future") N15(codeName = "Received after start of date of operation") N16(codeName = "Capacity cannot vary within an offer") N17(codeName = "Changes in the past are not allowed") N18(codeName = "Price must be zero") N19(codeName = "Party connected to the Grid has to be the same") N20(codeName = "Balance Responsible has to be the same") N21(codeName = "Date of operation has to be the same") N22(codeName = "Request number has to be the same") N23(codeName = "Invalid reference to request") N24(codeName = "Unauthorised party for regulating power") N25(codeName = "Invalid order of PTUs") N26(codeName = "Unknown relation between Offering Party and Party connected to the Grid")</div>	