EASYWAY ES5

RELEASE NOTES DATEX II VERSION 2.1

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European Commission

Directorate General for Transport and Energy

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1.   Introduction

These Release notes describe the modifications made to the previous DATEX II version in order to come to the current version. Chapter 2 gives a short motivation for the release of this version of DATEX II. The following chapters describe per DATEX II configuration item the changes made to that item in comparison to the previous version.

1.1.   Current version

DATEX II version 2.1
This version contains:

Item	Version	Date
DATEX II Modelling Methodology	2.1	31-5-2012
Data model	2.1	31-5-2012
Tool to generate schemas (incl. sources)	2.1	31-5-2012
Exchange PSM	2.0	30-6-2011
WSDLs	2.0	21-1-2011
XML Schema	2.1	31-5-2012
Documentation on DATEX II standard		
Guidelines		
User guide	1.0	31-5-2012
SW developers guideline	1.0	31-5-2012
XML schema tool guide	2.1	31-5-2012
Extension guideline	2.1	31-5-2012
Profiling guideline	2.1	31-5-2012
Supporting documentation		
Example messages	2.1	31-5-2012
Exchange PIM	1.01	08-2-2005
Data definitions (data dictionary)	2.1	31-5-2012
Release notes.	V2.1 (this document)	31-5-2012

1.2.   Previous version

DATEX II version 2.0

Item	Version	Date
DATEX II Modelling Methodology	2.0	30-6-2011
Data model	2.0	30-6-2011
Tool to generate schemas (incl. sources)	2.0	30-6-2011
Exchange PSM incl. WSDLs	2.0	30-6-2011
XML Schema	2.0	30-6-2011
Documentation on DATEX II standard	2.0	30-6-2011
Guidelines	2.0	30-6-2011
User guide		
SW developers guideline		
XML schema tool guide		
Extension guideline	Did not exist	
Profiling guideline	Did not exist	
Supporting documentation	2.0	30-6-2011
Example messages		
Exchange PIM		
Data definitions (data dictionary)		
Release notes.	V2.0	24-6-2011

2. Rationale for this release of DATEX II

DATEX II version 2.1 is developed to:
- To support parking information publications
- Fix a number of bugs in:
    - Methodology
    - Conversion tool
- Introduction of profiling and extension guidelines
- Support for profiling in conversion tool with respect to:
    - Selecting attributes
    - Restricting allowed cardinality of classes within a profile

3. Modelling methodology

Modifications to the previous version are:

- Document references updated on front page and page 2 (pending!); table of contents updated
- Added a section (2.5) on profiles
- "version" attribute set to 2.1 in XML schema
- Correction regarding fixed ending of namespace "[…]2_0"
- Amended modified definitions of attribute defaultLanguage and data type Language

4. Data Model

CONTENT PIM v2.1 RELEASE NOTES (v2.0 to v2.1 changes)	
Subject	Release Notes
Parking extension included	Version 0.3 of the Parking Extension has been incorporated into the Extension package of the model as an ESG5 approved extension. IMPORTANT NOTE: due to on-going review in ESG5 as well as in a potential future CEN TC278 work item this extension is subject to change. Any investment decision that includes the use of this extension must consider efforts potentially required to modify software based on this extension in order to follow the evolution of the model.
Bugfix 72	Tagged Value "originalCode" of literal "RoadMaintenanceTypeEnum.maintenanceWork" fixed: RMK instead of RWK
Bugfix 74	Tagged Value "definition" of class "Destination" rephrased to be sufficiently generic for both usages of the class.
Bugfix 84	Changing definition of feedType to "A classification of the information which is to be found in the publications originating from the particular feed."
Bugfix 91	The definitions of the "defaultLanguage" attribute has been amended to "The default language used throughout the payload publication." and that of datatype "Language" to "A language datatype, identifies a specified language by an ISO 639-1 2-alpha / ISO 639-2 3-alpha code."
Amended Metadata	Tagged value version of Class D2LogicalModel set to "2.1" Tagged value extensionName of Class D2LogicalModel set to "ParkingExtension" Tagged value extensionVersion of Class D2LogicalModel set to "0.3"

5. Tool to generate schemas

Modifications to the previous version are:

Schema generation tool v2.1 RELEASE NOTES (v2.0 to v2.1 changes)	
<u>Subject</u>	<u>Release Notes</u>
Newer versions of Enterprise Architect (ID 87)	Newer version of EA (>7.5) stores Qualifiers in a different way when exporting to XMI. The tool now supports both the old way and the new way.
Enhanced selection feature – base classes (ID 68)	Base classes that was not used in the tree was not possible to deselect its attributes and relations. Now the tool has a feature to right click on a node and access its members in a new pop-up window. There all base classes are accessible.
Enhanced selection feature – De-selection enumeration literals (ID 34)	It is now possible to de-select enumeration literals. This is accessible by right click on a node and select "Attribute options". If some literals are deselected, the name of the node in the tree will begin with a *.
Enhanced selection feature – Modifying multiplicity (ID 48)	It is now possible to modify multiplicity on attributes and relations. But, it's only possible to do this so that the schema will be compatible. If multiplicity has been changed, the name of the node in the tree will begin with a *.
Load and save dialogs	Have been enhanced so extension like .sel is used for selections. It also remembers the last directory that was used.
Selection and extension (ID 46, 49, 50, 53)	Bugs related to loading selections and extensions.
Schema constrains (52, 47)	Schema constrains was not working in previous version. They are now generated correctly.
Generating Word Data Dictionary (ID 51, 36)	The profile to filter have been enhanced. Now a classes can be excluded.36 Issues with different language of MS Word has been resolved e.g. a problem with German version of MS Word.
Version and namespace (ID 82)	With the release of version 2.1, the tool shoud still generate schemas with namespace as in version 2.0. As the tool version is part of the namespace, this causes problems. The solution for this are two new configuration items in the configuration file. One for the schame name and one for the namespace.

Schema generation tool v2.1 RELEASE NOTES (v2.0 to v2.1 changes)	
Subject	Release Notes
Error handling reading order numbers (ID 86)	Now reding non expected values like non integers will be handled and logged.

6. Exchange PSM and WSDLs

- Only modified references in document.
- Changed and modified WSDLs (Modifications in WSDLs to refer to correct xsd schemas etc.)

7. XML schema

New schema created with new version of the tool in order to incorporate amendments in definitions and the Parking extension.

8. Documentation on DATEX II (guidelines)

8.1. User guide

Minor textual modifications due to reference to new version

8.2. SW developers guideline

Minor textual modifications due to reference to new version

8.3. XML schema tool guide

Amendments describing new tool features

8.4. Extension guideline

New document

8.5. Profiling guideline

New document

9. Documentation on DATEX II (supporting)

9.1. Example messages

New message set due to model modifications

9.2. Exchange PIM

No modifications

9.3. Data definitions

Modified lists due to modifications in model.