

EASYWAY ES5

RELEASE NOTES DATEX II
VERSION 2.3

30 september 2014

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 2.3

This version contains:

Item	Version	Date
DATEX II Modelling Methodology	2.3	30-9-2014
Data model	2.3	30-9-2014
Tool to generate schemas (incl. sources)	2.3	30-9-2014
Exchange PSM	2.3	30-9-2014
WSDLs	2.3	30-9-2014
XML Schema	2.3	30-9-2014
Documentation on DATEX II standard		
Guidelines		
User guide	2.3	30-9-2014
SW developers guideline	2.3	30-9-2014
XML schema tool guide	2.3	30-9-2014
Extension guideline	2.3	30-9-2014
Profiling guideline	2.3	30-9-2014
Supporting documentation		
Example messages	2.3	30-9-2014
Exchange PIM	1.01	08-2-2005
Data definitions (data dictionary)	2.3	30-9-2014
Release notes.	V2.3 (this document)	30-9-2014

1.2. Previous versions

DATEX II version 2.2

This version contains:

Item	Version	Date
<i>DATEX II Modelling Methodology</i>	2.1	31-5-2012
<i>Data model</i>	2.2	31-5-2013
<i>Tool to generate schemas (incl. sources)</i>	2.2	31-5-2013
<i>Exchange PSM</i>	2.0	30-6-2011
<i>WSDLs</i>	2.0	21-1-2011
<i>XML Schema</i>	2.2	31-5-2013
<i>Documentation on DATEX II standard</i>		
<i>Guidelines</i>		
<i>User guide</i>	2.2	30-6-2013
<i>SW developers guideline</i>	2.2	31-5-2013
<i>XML schema tool guide</i>	2.2	31-5-2013
<i>Extension guideline</i>	2.2	31-5-2013
<i>Profiling guideline</i>	2.2	31-5-2013
<i>Supporting documentation</i>		
<i>Example messages</i>	2.2	31-5-2013
<i>Exchange PIM</i>	1.01	08-2-2005
<i>Data definitions (data dictionary)</i>	2.2	31-5-2013
<i>Release notes.</i>	V2.2 (this document)	31-5-2013

DATEX II version 2.1

Item	Version	Date
<i>DATEX II Modelling Methodology</i>	2.1	31-5-2012
<i>Data model</i>	2.1	31-5-2012
<i>Tool to generate schemas (incl. sources)</i>	2.1	31-5-2012
<i>Exchange PSM</i>	2.0	30-6-2011
<i>WSDLs</i>	2.0	21-1-2011
<i>XML Schema</i>	2.1	31-5-2012
<i>Documentation on DATEX II standard</i>		
<i>Guidelines</i>		
<i>User guide</i>	1.2	30-6-2011
<i>SW developers guideline</i>	1.0	31-5-2012
<i>XML schema tool guide</i>	2.1	31-5-2012
<i>Extension guideline</i>	2.1	31-5-2012
<i>Profiling guideline</i>	2.1	31-5-2012
<i>Supporting documentation</i>		
<i>Example messages</i>	2.1	31-5-2012
<i>Exchange PIM</i>	1.01	08-2-2005
<i>Data definitions (data dictionary)</i>	2.1	31-5-2012
<i>Release notes.</i>	V2.1	31-5-2012

DATEX II version 2.0

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

2. Rationale for this release of DATEX II

DATEX II version 2.3 is developed to:

- Publish extensions:
 - Parking (urban and truckparking) as proposed for balloting as part 6 of CEN/TS 16157
 - openLR locationreferencing method support
 - mark-up of situations containing Safety Related Traffic Information, according to the EU delegated act on SRTI

- Fix a number of bugs in:
 - Methodology corrections and clarifications
 - Data model
 - Conversion tool

3. Modelling methodology

Modifications to the previous version are:

- Document references updated on front page and page 2 (pending!); table of contents updated
- Clause 4.4: Clarified that generic (=untyped) references are allowed.
- Clause 5.2.5: Corrected that typing references is optional.
- Clause 7.4: New clause added to clarify the use of SI units in D_AT_EX II.

4. Data Model

Modifications to the previous version are:

CONTENT PIM v2.3 RELEASE NOTES (v2.2 to v2.3 changes)	
<u>Subject</u>	<u>Release Notes</u>
Bugfix 125	Definition of “accuracy” attribute (in DataValue and MeasurementSpecificCharacteristics) changed to follow conventional meaning of accuracy.
Bugfix 141	Definition of GroupOfLocations changed slightly to correct the description of the constraint on using multiple referencing systems.
Bugfix 150	Definition of Temperature maximumTemperature and minimumTemperature aggregations corrected so they can potentially apply to measurements as well as forecasts
Bugfix 153	Definition of TpegHeight::height attribute changed to remove restriction of use in TPEG-Loc, since the attribute itself is generic.
Bugfix 155	Definition of DirectionBearingValue::directionBearing and PointByCoordinates::bearing both changed to add that reference direction corresponding to 0 degrees is North.
New	Extensions added to new package Extension/Approved: <ul style="list-style-type: none"> • OpenLR • Parking • SafetyRelated
General	D2LogicalModel class tags – extension values set to blank, version set to v2.3

5. Tool to generate schemas

Modifications to the previous version are:

Schema generation tool v2.3 RELEASE NOTES (v2.3 to v2.3 changes)	
<u>Subject</u>	<u>Release Notes</u>
New enhanced selection feature	It's now possible to select/de-select optional attributes on a base classes used by a relation. This is possible by accessing a new menu, by right clicking on a relation node from the members list and select "Target members.."
Several bugs fixed in selection feature	<ul style="list-style-type: none">• Problems with saving a selection.• Error handling, prevent crashing in some situations• Prevent crash on huge model
Selection feature re-designed	To get better performance when selection / de-selecting items in the tree, the solution has been re-designed. Performance is now much better.
Check on enumeration literal definition	A new check has been introduced that will give a warning in the log if an enumeration literal does not have a definition.

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.

Documentation on DATEX II (guidelines)

7.1. User guide

Version update.

Added user information about the three new extensions:

- Parking
- OpenLR as location referencing
- Markup situations as Safety Related Traffic Information

7.2. SW developers guideline

Version update. No content changes.

7.3. XML schema tool guide

Version update. No content changes.

7.4. Extension guideline

Version update. No content changes.

7.5. Profiling guideline

Version update. No content changes.

8. Documentation on DATEX II (supporting)

8.1. Example messages

New message set due to model modifications

8.2. Exchange PIM

No modifications

8.3. Data definitions

Modified lists due to new extensions and modifications of definitions in model.