



TED XML

Latest updates

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Overview

- Main features of release 2020
- TED XML versions
- Changelogs
- Schema changes
- NUTS 2021
- Validation Tool changes
- UTF-8 character coding
- Release planning and transition
- TED XML next implementation cycle
- Questions?





Main features of release 2020

- NUTS classification 2021
- Currencies, Legal Basis
- Deprecated schema
- A few rules improvements
- No new constraint





TED XML versions

Major release (version upgrade) but minor impact

Schemas

- *R2.0.8.S04_003-20180515* > *R2.0.8.S05_002-20201027*
- *R2.0.9.S03_009-20190628* > *R2.0.9.S04_002-20201027*

Validation tool

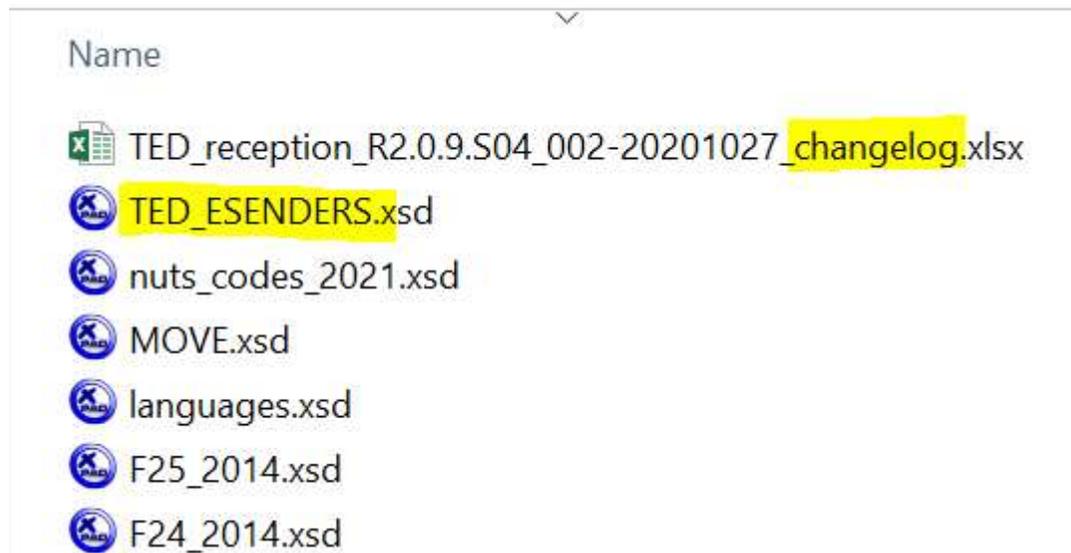
- *XSLT v.036-20200706* > *v.037-20201022*
- and depending on the Brexit agreement
- *v.038-2020...* (+ *rule to filter notices from UK*)





Schemas Changelog

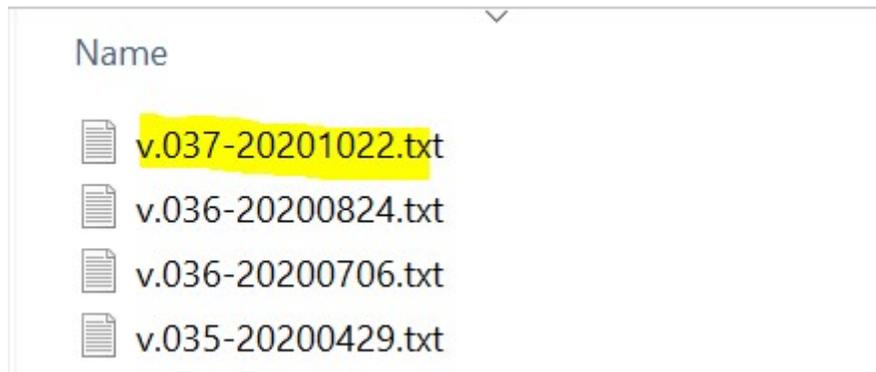
- Details on schema changes can be found in the excel file included in the schema package





XSLT Changelog

- Details on validation tool (XSLT) changes can be found in the version folder of the package, containing a text file for each release
- ~/rules/version/





Links

- NUTS on Eurostat
- <https://ec.europa.eu/eurostat/web/nuts/history>
- XML packages on workspace, section 3.4
- <https://webgate.ec.europa.eu/fpfis/wikis/display/TEDeSender/TED+eSenders>
- eProcurement on EU Vocabularies
 - TED XML schemas
- <https://op.europa.eu/en/web/eu-vocabularies/e-procurement>
- <https://op.europa.eu/en/web/eu-vocabularies/e-procurement/tedschemas>





Schemas changes

XSD R2.0.8 changes

- Include NUTS 2021
(no namespace, NUTS version is linked to XSD version)
- Allow up to 250 NUTS codes for the Place of performance
- Align Currency code list to the latest version of EU
Vocabularies NAL
(also aligned to XSD R2.0.9)
- Remove deprecated forms under Directives 2004/18/CE
and 2004/17/CE; only Defence forms remain.





XSD R2.0.9 changes

- Include NUTS 2021 (new namespace)
- Allow up to 250 NUTS codes for the Place of performance
- Align Currency code list and Legal Basis code list to the latest version of EU Vocabularies NAL
- Allow a choice between one LEGAL_BASIS or one LEGAL_BASIS_OTHER or both (control moved to the XSLT)
- Allow procurement discontinuation without reference notice (control moved to the XSLT)
- Remove unused DEVCO forms (D01, D02 ...)





XML notice under new schema

- New schema version
- New namespace for NUTS 2021

```
<TED_ESENDERS  
  xmlns="http://publications.europa.eu/resource/schema/ted/R2.0.9/reception"  
  xmlns:n2021="http://publications.europa.eu/resource/schema/ted/2021/nuts"  
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
  xsi:schemaLocation=  
    "http://publications.europa.eu/resource/schema/ted/R2.0.9/reception  
    TED_ESENDERS.xsd"  
  VERSION="R2.0.9.S04">
```

```
  <TOWN>FIRENZE</TOWN>  
  <COUNTRY VALUE="IT"/>  
  <n2021:NUTS CODE="ITI14"/>
```





NUTS 2021

NUTS as currently implemented in TED contains:

- The official NUTS, Nomenclature of territorial units for statistics, for the economic territory of the EU and the UK
- The official Statistical Regions, SR for EFTA countries, candidate countries, potential candidates, other partners
- The Country Codes, CC used as NUTS code for all countries which are not covered by the official NUTS or SR

Code "00" (Not specified / Other) has been removed from the list





NUTS 2021 Full List

NUTS + Statistical Regions + Country codes

NUTS 2021 code	NUTS 2021 name	Category/Continent
BE	Belgique / België	NUTS
BE1	Région de Bruxelles-Capitale / Brussels Hoofdstedelijk Gewest	NUTS
BE10	Région de Bruxelles-Capitale / Brussels Hoofdstedelijk Gewest	NUTS
BE100	Arr. de Bruxelles-Capitale / Arr. Brussel-Hoofdstad	NUTS
BE2	Vlaams Gewest	NUTS
BE21	Prov. Antwerpen	NUTS
BE211	Arr. Antwerpen	NUTS
...	...	
NO	Norge	SR
NO0	Norge	SR
NO02	Innlandet	SR
NO020	Innlandet	SR
NO06	Trøndelag	SR
...	...	
AD	Andorra	EUROPE
AE	United Arab Emirates	ASIA
AF	Afghanistan	ASIA
AG	Antigua And Barbuda	AMERICA
...	...	





NUTS New to Old

Mapping used by TED Website to retrieve all notices having 2016 NUTS code(s) covering the same region, or a region fully included in the given new 2021 NUTS code(s)

NUTS 2021 code	NUTS 2021 name	Map with following old codes NUTS 2016	Region order / Technical sort	Mapping?
ITG18	Ragusa	ITG18	1046	0
ITG19	Siracusa	ITG19	1047	0
ITG2	Sardegna	ITG2	1048	0
ITG2D	Sassari	ITG25, ITG29	1049	1
ITG2E	Nuoro	ITG26, ITG2A	1050	1





NUTS Old to New

Mapping used at the notice reception in eSentool, during the transition period, to upgrade the old 2016 NUTS code(s) to the corresponding new 2021 NUTS code(s) covering the same, or a larger region

NUTS 2016 code	NUTS 2016 name	Map with following new codes NUTS 2021	<i>Technical sort</i>	<i>Mapping</i>
BE310	Arr. Nivelles	BE310	10103	0
BE32	Prov. Hainaut	BE32	10104	0
BE321	Arr. Ath	BE32	10105	1
BE322	Arr. Charleroi	BE32	10106	1
BE323	Arr. Mons	BE323	10107	0
BE324	Arr. Mouscron	BE328	10108	1





Validation Tool changes

Alert on old versions

- Add a rule to alert that the versions R2.0.8.S04 and R2.0.9.S03 will be phasing out
- R995 : "Attention! The schema version R2.0.9.S03 will be phased out during the first quarter 2021; please upgrade as soon as possible your schema to the version R2.0.9.S04 and use the new NUTS 2021."





Rule on CA email

- Severity raised to Error for rule R123 in XML R2.0.8, meaning an email address is required in Section I.1.

R123 : PROD_WEIGHT="ERROR", Section I.1 Contracting authority/entity: the E-mail is required.





Rule on Legal Basis

- Adjust the rule on the legal basis values foreseen for Member States (F01-F25) to balance the constraint released in the schema.

```
<FORM_SECTION>
```

```
<F21_2014 CATEGORY="ORIGINAL" FORM="F21" LG="IT">
```

```
<LEGAL_BASIS VALUE="32014L0025"/>
```

<ERROR RULE="R118">F21 form and LEGAL_BASIS[@VALUE=32014L0025]:
Wrong value of the legal basis according to the given form.</ERROR>





Rule on NUTS

In Addresses,

- The two first letters of the NUTS code are compared to the Country code (ISO-2, as used currently in TED XML)
- And for other country codes, having no NUTS/SR codes

instead of: ~~NUTS = 00~~

we have: **NUTS code = Country code.**

Note: the same exception as before remain (Greece, Martinique, ...)





Rule on NUTS

- Adjust the rule about compatibility between the country code and the NUTS code, according to NUTS 2021.

```
<TOWN>Freiburg</TOWN>  
<COUNTRY VALUE="DE" />  
<n2021:NUTS CODE="CH022" />
```

<ERROR RULE="R127"> ADDRESS_CONTRACTING_BODY_ADDITIONAL [COUNTRY DE and NUTS CH022]: The country code and the NUTS code are not compatible.
</ERROR>





Rule on previous publication

- Reshape the rules on the previous publication and/or on the notice reference for the CAN

a CAN notice,

should always have a previous publication (TED number)

and in case of discontinuation of the procedure,

a reference to the CN notice (NO_DOC_EXT)

except for a CAN notice with a procedure type being "Award of a contract without prior publication of a call for competition" which should not have any previous publication or notice reference





Rule on Previous publication

Under control of the 4 rules below:

- R560 (**ERROR**) : S4-02-01: Please fill in the previous publication which is mandatory according to the given procedure.
- R563 (**WARNING**): S4-02-01: Notice number in previous publication: Please check inconsistency: Information about notice reference whereas type of procedure is award of a contract without prior publication.
- R620 (**ERROR**): S5-01: Information on non-award: Information on the notice reference is required in case of discontinuation of procedure.
- R621 (**WARNING**): S5-01: Information on non-award: Please check inconsistency: Information about notice reference whereas type of procedure is award of a contract without prior publication.

ATTENTION: “Warning” will become “Error”
at the end of the transition period.





R560 on previous publication

In a Contract award notice,

IV.1.1) **Type of procedure**

Open procedure

IV.1.3) **Information about a framework agreement or a dynamic purchasing system**

IV.1.6) **Information about electronic auction**

IV.1.8) **Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: yes

IV.2) **Administrative information**

IV.2.1) **Previous publication concerning this procedure** ✗

<ERROR RULE="R560">PT_OPEN and missing NOTICE_NUMBER_OJ: S4-02-01: Please fill in the previous publication date which is mandatory according to the given procedure.</ERROR>





R563 on previous publication

Section IV: Procedure

IV.1)Description

IV.1.1)Type of procedure

Award of a contract **without prior publication** of a call for competition in the Official Journal of the European Union in the cases listed below

- Extreme urgency brought about by events unforeseeable ...

Explanation: The COVID-19 outbreak is a Public Health Emergency. The situation is not attributable ...

IV.2)Administrative information

IV.2.1)Previous publication concerning this procedure

Notice number in the OJ S: [2020/S 001-531168](#)

<WARNING RULE="R563">

NOTICE_NUMBER_OJ, PT_AWARD_CONTRACT_WITHOUT_CALL: S4-02-01:

Notice number in previous publication: Please check inconsistency:

Information about notice reference whereas type of procedure is award of a contract without prior publication.</WARNING>





UTF-8 character coding issues

- In eSentool, under control of rule

R006 (**ERROR**) : Check that the XML notice contains only authorized Unicode characters.

- Most errors are in the bullets of lists
- Current situation: manual correction or bad rendition

We will progressively adjust the ranges of allowed characters in order to avoid any character coding for which the rendition is kind of random





UTF-8 character coding issues

Example of a notice with a character from the block “Private Use Area”

utf-8 character x'ef83a8', alias U+F0E8,
U+F0E8 is not a valid unicode character.

```
<p>A = Art der Aufgabenstellung: ☐ &Sigma; 20 Pkt.</p>
<p>A1. Art der Bauma&szlig;nahme - ( max. 8 Punkte)</p>
```

Punktvergabe für
A = Art der Aufgabenstellung: Σ 20 Pkt.
A1. Art der Baumaßnahme - (max. 8 Punkte)

Punktvergabe für
A = Art der Aufgabenstellung: # Σ 20 Pkt.
A1. Art der Baumaßnahme - 7 max. 8 Punkte

Punktvergabe für
A = Art der Aufgabenstellung: □ Σ 20 Pkt.
A1. Art der Baumaßnahme - (max. 8 Punkte)

Punktvergabe für
A = Art der Aufgabenstellung: ☐ Σ 20 Pkt.
A1. Art der Baumaßnahme - (max. 8 Punkte)





Release 2020 implementation

- March, 3rd: prior notice about release 2020
- April, 27th: announcement of the release
- August, 20th: release content details
- October, 16th: draft XML package
- November 6th: final release of XML package
- December 15th: eSentool qualification available





Go-live and transition

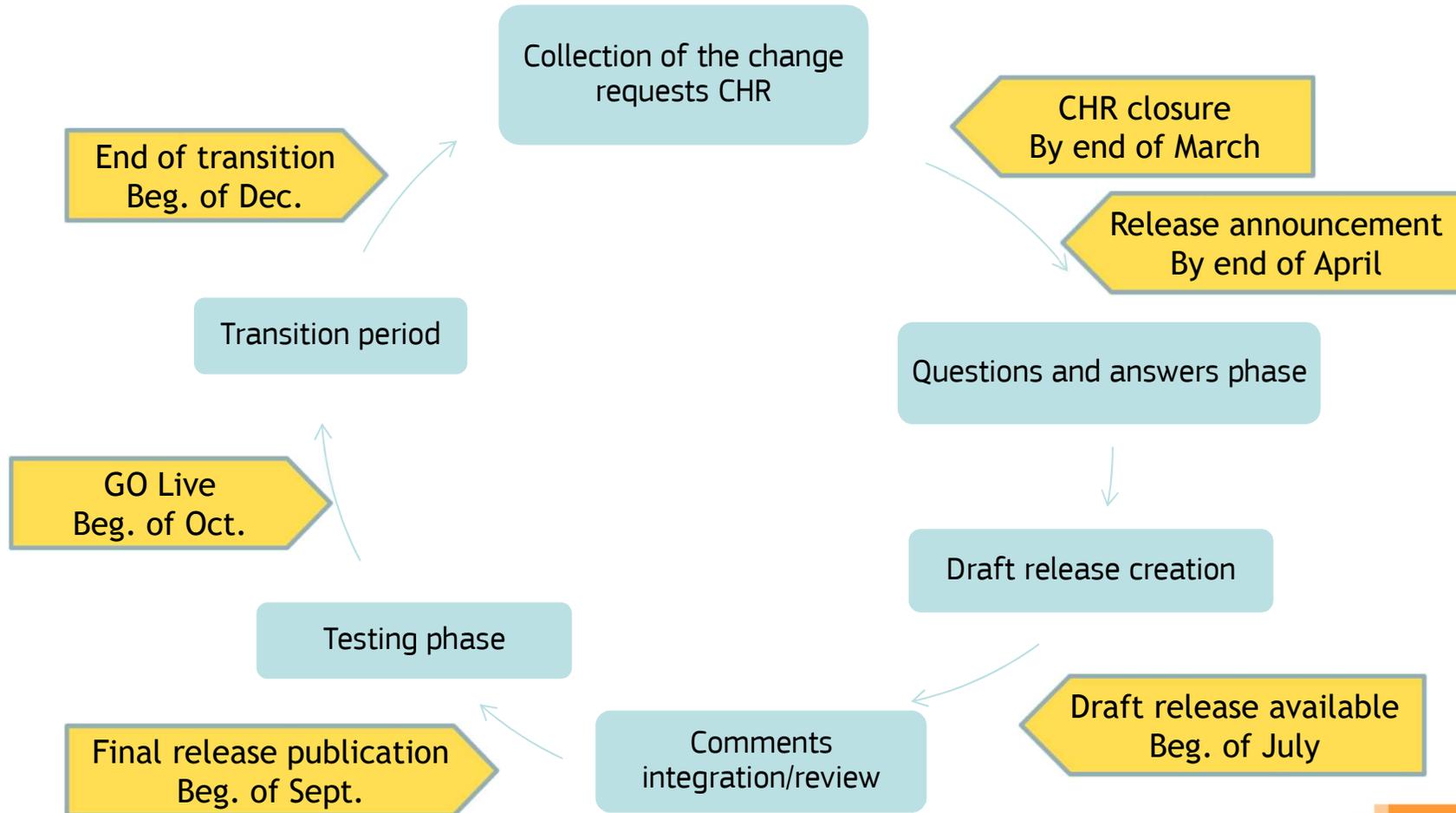
ESENTTOOL			<i>Implementation planning and provisional dates</i>		
D-day - 8 weeks		D-day Go-live		D-day + 8 weeks	
New schema / NUTS-2021 for Qualification		New schema / NUTS-2021 in Production		New schema / NUTS-2021 only Old schema / NUTS-2016 rejected	
15.12.2020		26.02.2021		~ 27.04.2121	

- eSenders will be automatically qualified for the new version
- Self-tests to the Qualification endpoint highly recommended





TED XML 2021 ? one year implementation cycle





Questions ?

For any comments/suggestions, please contact TED-EVENTS@publications.europa.eu, specifying the subject "Questions for eSenders seminar - TED XML - Last Updates".

Thank you!

