



21th UN/CEFACT FORUM

Lunch and Learn Session

Business Case for CCTS/NDR 3.0

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- 18 January 2010: UN/Cefact (FMG) defines an adoption strategy for CCTS/NDR v3;
- 11 June 2010: TBG1 and TBG6 decide to join efforts for publishing the first v3 standards, i.e. CII, eTendering and Contract Financial Execution Management;
- 31 March 2011: new project for “Procedure for CCTS 3 & NDR 3 artefacts Publication” including first publications (CCL and 3 standards)
- April 2013: CCL and 3 standards ready for public review



- CCTS v3 and NDR v3 solve issues raised by implementers
- Required launching a v3 publication project
- The project
 - Validated the expected benefits
 - Showed the way for production to publication
 - Required additional tasks to complete or optimize the v3 based processes
- Main technical benefits are as follows



- Packaging
 - Allows publication on an as-required basis for BIEs and messages
 - ➔ **BIE packages and new versions of business standards can be published as needed with minimal dependence on the CCs publication**
- Properties
 - More consistent use of various property term/representation term combinations, improves the quality of the library and standards
- More structured usage rules
 - Improved opportunity for automation
 - ➔ **Important for unbounded code type elements**
- Localization
 - Allows publication and reuse for non-English settings; wider availability



- Shorter Dictionary Entry Names
 - Greater clarity because no repetition of context related information
 - ➔ **CI_Trade_Allowance Charge. Actual. CI_Trade_Currency Exchange**
becomes
 - ➔ **Allowance Charge. Actual. Currency Exchange**
- Clearer definitions
 - **The actual ~~trade~~ currency exchange for this ~~CI-trade~~ allowance charge.**
- Value Domains
 - Greater flexibility
 - ➔ Allows better link with the context



- Reduced Namespacing
 - Reduced complexity
 - ➔ **4 namespaces instead of 7**
- Packaging
 - Better segregation of message sets
 - Easier for version control (more stability)
 - ➔ **Packages for specific implementations**
 - ➔ **Example: limited package for eP7 (healthcare procurement)**
 - ➔ **2 eTendering messages (Invitation to Tender Details and Tender)**
 - ➔ **1 CFEM message (Contract parameters)**



- Shorter tag names
 - Smaller document size and easier use
 - ➔ `<ram:ActualCITradeCurrencyExchange>`
 - ➔ `<cii:ActualCurrencyExchange>`
- Stand alone schemas
 - Parsing does not require connection to CEFACT web site
 - ➔ **Development and operation more efficient, no online bottleneck, better security**



Secondary Effects

- Cleaning up of Data Type Catalogue
 - Rationalization of supplementary components, less complexity, better coded information management
- More focused development in the future
 - Quicker delivery for projects, allowing
 - Increased stakeholder involvement and investment
- Fresh start for library
 - New library allows better integration of lessons learned from earlier library development
- XMLForCCTS
 - Non-proprietary delivery mechanism
 - ➔ **Allows reuse by various tools such as schematron...**



- For CCs and BIEs production and maintenance
 - **CCM Online**
 - Free access for the projects and Lib Maint
 - Other tools available
- For validation, in addition to manual checks
 - **Validation team tool**
 - **Schematron**
 - Proof of concept
 - Team of volunteers
 - Schematron file and other working files on shared resource
 - Free access



- CII v3 draft for public review expected end of April 2013
- Awaiting publication:
- French Government
 - Use an early draft v3 since summer 2011, to be replaced by published
 - CII MUG, a CEN Guide (CWA)
 - Includes an early draft, to be replaced by published
 - [See example of v3 invoice in CWA 16356 part 3](#)
 - German national Forum on eInvoicing
 - ZugFeRD, Common Invoice-Format for Germany, includes the use of CII



- Draft v3 set under implementation verification (Invitation to Tender Details, Tender) since 2012
- Pilot Users: Health procurement, eP7 in France
- Catalog based procurement, with message compliance control service
- Already 4 software packages involved (2 for procuring organizations and 2 for submitters)
- <http://www.ep7.org/index.php/le-standard/description-du-standard>
- A lot of information reused and automatically processed
- eTendering V3 merges technical and functional updates
- V3 draft for public review expected end of April 2013



- Draft v3 set under implementation verification (Contract parameters, Payment Request, Payment Certificate) since 2010
- Pilot Users: French Govt and its works suppliers in Pays de Loire (2010), eP7 for Contract Parameters (2012)
- New pilot started with local authorities (2013)
- 4 software packages or services involved (2 for procuring organizations and 2 for suppliers)
- <http://www.edibuild-fr.org/btp-2015.html>
- Important improvement of SMEs cash flow expected
- CFEM V3 merges technical and functional updates
- V3 draft for public review expected end of April 2013



- ➔ BIE packages and new versions of business standards can be published as needed
- ➔ Usage rules allow efficient use of unbounded code type elements
- ➔ Dictionary Entry Names are shorter
- ➔ Definitions are clearer
- ➔ Software Development and operation more efficient
- ➔ XML For CCTS interoperability for all tools



- First v3 projects hope that they helped
 - Initial library migration
 - Finalization of CEFACT v3 related processes
 - Reduction of resource consumption
 - Shortening project delivery lifecycle
- Other processes intended for migration: ordering, delivering, cataloguing...



- Chris Hassler v3 Publication project leader
- Mary-Kay Blantz BPS-Lib Maint team chair
 - and all contributors from the Lib Maint team
- Hidekazu Enjo BPS- Validation team chair
- Supply Chain projects leaders and contributors
- Tool support contributors
 - Kevin Smith
 - Benoît Marchal
 - Nicolas Duperret



- Questions and answers ?
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