

# UN/CEFACT Project Proposal

Project Name:	Message Construction Guideline Project		
Date submitted:	2019-03-04	Proposed by:	Hisanao Sugamata

## 1. Project purpose

### *Required*

For semantic interoperability in the field of Trade Facilitation and eBusiness, UN/CEFACT Technical Specifications and Dictionaries should be used more widely in the world.

There are several standard messages published in the UN/CEFACT library (Web site) which are designed to be used widely including general purpose business information entities and code lists. The other hand, a user's application used within a trading partner's needs and can handle a part of information of the standard message. This causes frustration among users especially SMEs, such as;

- (1) It needs a large size standard message for the small set of information used in user's application.
- (2) Each user application has to handle a bunch of information defined in the standard message.
- (3) A user cannot predict the usable set of information in the standard message received.

Fortunately, we have the technical specification Core Component Business Document Assembly (CCBDA) which enables defining a subset of the standard message particularly through a Reference-Data Model approach. This CCBDA specification has the capability to solve the above issues. However, there seems to be some difficulties to apply CCBDA specification for implementing restricted messages while keeping interoperability, as follows.

- ✓ No full rules for restrictions of MBIE.
- ✓ No rules for identifier of MA, MBIE.
- ✓ No construction rules for internal schema used for MBIEs.
- ✓ No rules for restricting code lists.
- ✓ No publication rules for MA.

Further more,

- ✓ Considering an updated RSM template describing MBIEs;
- ✓ Considering an updated namespace for MBIEs;
- ✓ Considering an updated relation with XHE (Exchange Header Envelope) specification;

It is desirable to take careful guidance for message implementations based on CCBDA specification to keep interoperability among EDI users.

This project introduces the guidelines how to define a Message Assembly (MA) constructed with Message Business Information Entities (MBIE) and Qualified Data Type (QDT).

## 2. Project scope

### *Required*

The guidelines introduce the method to design a XML user message using MA, MBIE and QDT under the rules of CCTS, CCBDA and NDR.

## 3. Project deliverables

### *Required*

Deliverable 1:	XML Message design guidelines for CCBDA
Deliverable 2:	Publication guidelines for MA, MBIE, QDT
Deliverable 3:	RSM guidelines for the message using MBIE and QDT
Deliverable 4:	Requirements for amendment to related technical specifications, if any
<b>4. Exit Criteria</b>	
<i>Required</i>	
Exit Criteria for Deliv. 1:	The guidelines for XML message implementation based CCBDA approved by the Bureau.
Exit Criteria for Deliv. 2:	Publication guidelines for MA, MBIE, QDT approved by the Bureau
Exit Criteria for Deliv. 3:	RSM guidelines for the message using MBIE and QDT approved by the Bureau
Exit Criteria for Deliv. 4:	List of project proposal(s) to amend related technical specifications recognized by the Bureau, if applicable
<b>5. Project Team membership and required functional expertise</b>	
Membership is open to UN/CEFACT experts with broad knowledge in the area of:	XML message design and related activities
In addition, Heads of Delegations may invite technical experts from their constituency to participate in the work.	
Experts are expected to contribute to the work based solely on their expertise and to comply with the UN/CEFACT Code of Conduct and Ethics and the policy on Intellectual Property Rights.	
<b>6. HoD support</b>	
<i>Required for Technical Standards, Business Standards and UNECE Recommendations. And at the request of the UN/CEFACT Bureau.</i>	
<i>Projects that require HoD support must obtain this within 6 months of Bureau provisional approval.</i>	
<b>7. Geographical focus</b>	
The geographical focus of the project is global	
<b>8. Initial contributions</b>	
The following contributions are submitted as part of this proposal. It is understood that these contributions are only for consideration by the Project Team and that other participants may submit additional contributions in order to ensure that as much information as possible is obtained from those with expertise and a material interest in the project. It is also understood that the Project Team may choose to adopt one or more of these contributions “as is”.	
<b>List any initial contributions:</b>	
<ul style="list-style-type: none"> <li>• Core Components Technical Specification – Part 8 of the ebXML Framework, Version 2.01</li> <li>• Core Components Business Document Assembly Technical Specification, CCBDA, version 1.0</li> <li>• UN/CEFACT XML Naming and Design Rules for CCTS 2.01 Version 2.1 dated 27 May 2014</li> <li>• Requirements Specification Mapping (RSM) Documentation Template Guidelines Version 2.0</li> </ul>	
<b>9. Resource requirements</b>	
Participants in the project shall provide resources for their own participation. The existence and functioning of the project shall not require any additional resources from the UNECE secretariat.	
Any additional request:	Establishing the necessary CUE pages for the project

## 10. Proposed project leadership

Proposed:	Hisanao Sugamata	E-mail:	
Proposed:		E-mail:	

## 11. Milestones (repeat for each deliverable, if different)

The following are draft milestones of the project.

Yes/No	ODP Stage	Expected Completion Date ( <i>Approval + XX months</i> )
Yes	Project Inception	2019-03-18
Yes	Requirements gathering	PI + 4 months
Yes	Draft development	RG + 5 months
Yes	Public Draft Review	DD + 2 months
Yes	Project Exit	PR + 1 month
Yes	Publication	PE + 1 month