

Specifications Domain

M+T-PDA Vice Chair: Mr. Marek Laskowski

Domain Coordinator: Mr. Hisanao Sugamata

Projects:

Exchange Header Envelope (XHE) project

Message Construction Guideline for CCBDA project

Electronic Application Error and Acknowledement project

API2RDM project

API Town Plan project



SPEC – recent activities

- **Exchange Header Envelope (XHE) project**

Project lead: Mr. Anders Grangard

Project scope:

XHE, a specification developed jointly by UN/CEFACT and OASIS, is the successor to the UN/CEFACT Standard Business Document Header (SBDH) version 1.3 [[SBDH](#)] and the OASIS Business Document Envelope (BDE) version 1.1 [[BDE](#)].

Status:

29Jun2020: Published and Project exit

SPEC – recent activities

- **Message Construction Guideline for CCBDA project**

Project lead: Mr. Hisanao Sugamata

Project scope:

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

Status:

12Jun2020 - 12Aug2020: Public review

25Aug2020: Project exit and waiting for publication

SPEC – recent activities

- **Electronic Application Error and Acknowledgement (ACK/ERR) project**

Project lead: Mr. Hisanao Sugamata

Mr. Gerhard Heemskerck

Project scope:

The project's scope is to develop and publish the business requirements, message structure and XML schema for the Application Error and Acknowledgement process.

Status:

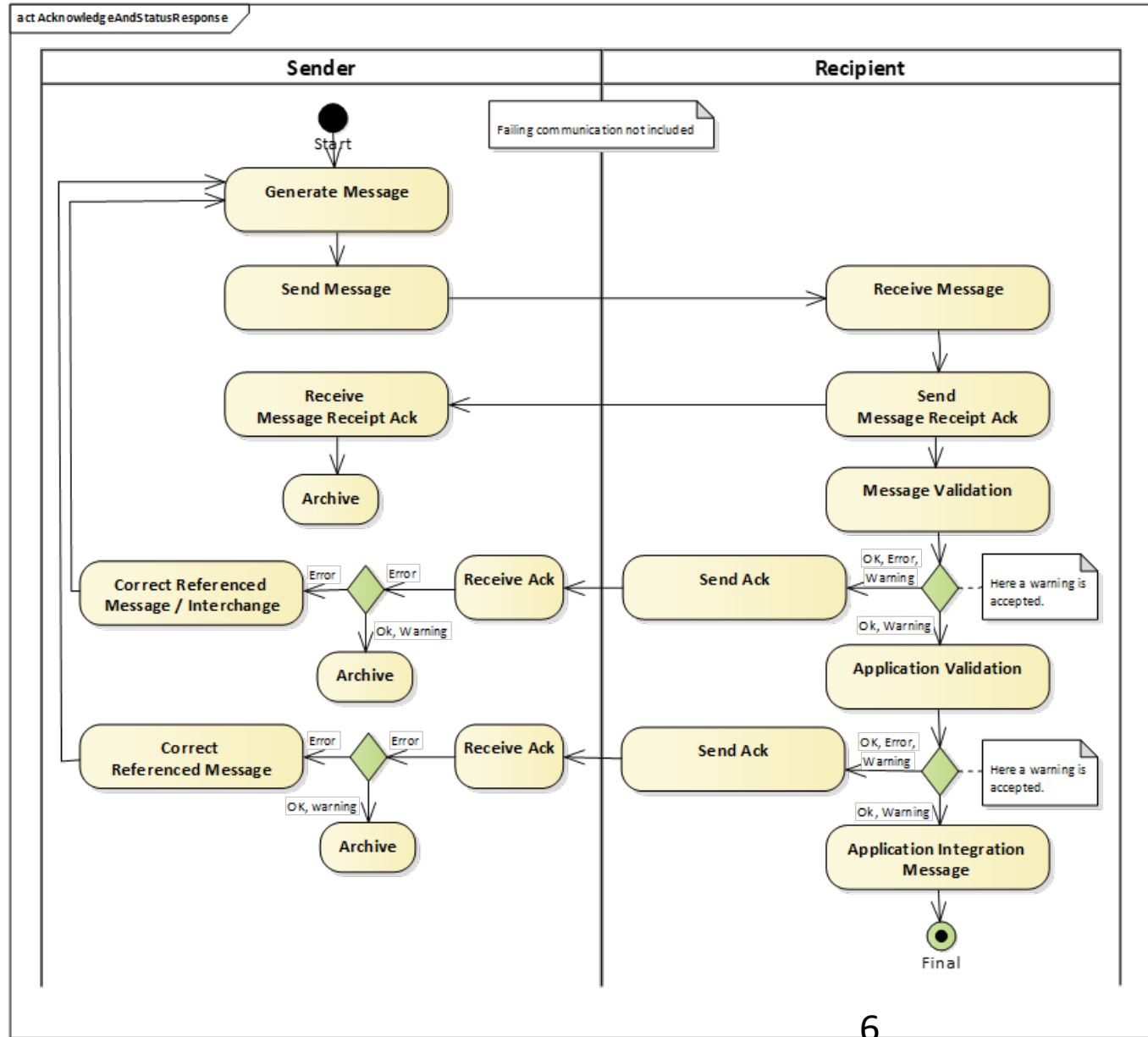
12Aug2020 – 11Oct2020: Public review

- Comments resolved at this Forum

* Reference (ACK/ERR: Comments)

Draft version number	Line numbers	Type of comment ¹	Comments	Proposed changes	Working Group Observations (leave blank)
0.5	230, 242, 293	ed	<p>Fig 7.2 : as long as the application validation is not accepted the sender can resend the document corrected.</p> <p>When the application validation is accepted, the sender have to send a new document.</p> <p>The message validation doesn't mean that the document is accepted by the recipient. It can be sent to a wrong partner</p>	Clarify in specification	<p>When Sender cannot accept the Receiver's validation, Sender will notify Receiver anyhow.</p> <p>This exceptional process is out of the scope of this specification.</p>
0.5	347, 351, 355	Ge, te	<p>In order to address the message to the right actor, it should be clear about the kind of data error and action request. At Message validation level, there can be syntax error data error (legal data missing, coherence of data e.g. wrong VAT amount calculation, unknown recipient, ...).</p> <p>Data error at business level could be : an information missing like an order N°, an invalid information like wrong</p>	<p>Different accepted code and a list of error type would be more accurate to process the action instead of message type code.</p> <p>Clarify error/process/reason/actions code and syntax/data errors at message level, data errors at business level</p>	<p>Document status code (1373 and Process status code (4405) are defined and Code DMRs are submitted.</p>

* Reference (ACK/ERR: process flow)



SPEC – recent activities

- **RDM2API**

Project lead: Mr. Steven Chapell

Project purpose:

To define a standard methodology that can be used to produce high quality OpenAPI specifications and JSON-LD dictionaries from existing UN/CEFACT semantic library content, particularly the Reference Data Models (RDM).

Status:

Design tools (UML Profile) : Done

JSON-LD Naming & Design rules: Done

JSON-LD Vocabulary : Done (pending UN internal draft)

Open API Naming & Design Rules: Due Nov/2020

Test tools: Due End/2020

UN API resources (Transport/Trade/Regulatory) : Starting soon

SPEC – recent activities

• API Town Plan

Project lead: Mr. Steven Chapell

Project scope:

This project will establish a high level “API town plan” and associated governance and publishing framework for all UN/CEFACT APIs.

- A map of business areas and API resources
- Governance rules for changing the plan
- API version control (egmajor.minor) and lifecycle rules
- Publishing model for JSON-LD vocabulary and API specifications.
- Implementation conformance criteria
- Community feedback mechanisms

Status:

Outline draft and team review: End/2020

Start publishing APIs per Town Plan : Start 2021

SPEC – upcoming activities

NDR and CCBDA corrigendum project

Project Purpose

Through the Message Construction Guideline for CCBDA project (Mar/2019 – Aug/2020), ambiguous rules and minor errors were found in XML Naming Design Rules (NDR) and Core Component Business Document Assembly (CCBDA). The purpose of this project is to correct errors and improve the specifications for user implementations of XML messages.

Deliverables

Corrigendum for NDR 2.1

Corrigendum for CCBDA version 1.0



*Reference (NDR issues)

5.3.5 Annotation guidelines

Users can decide whether or not to use to annotations within the message schemas. It means that all annotation rules as [R92], [R113], [R115], [R116], [R129], [R130], [R148], [R149], [R161], [R162], [R179] and [R197] in NDR are changed to be applied OPTIONAL. An annotation rule as [R113] related ABIE MAY be applied to MBIE. An annotation rule as [R115] related BBIE MAY be applied to MBBIE. An annotation rule as [R116] related ASBIE MAY be applied to ASMBIE. The advantage of annotations is that on implementation level the meaning of each element etcetera is provided within the message schema. The disadvantage is the load of text being present in the reusable business information entity schema. Users may decide to restrict the number of annotations being included per MBIE to minimize this disadvantage.

NDR 2.1 [R205] (Decoupled code list) has not been published.



*Reference (CCBDA issues)

1. Figure 4-2 (page 10)
 - The BDH is not clearly specified as mandatory in the text of the specification. Therefore the cardinality of BDH in Figure 4-2 may be changed (1..1) to (0..1).
2. R16 (page 14)
 - There are 2 rules in R16. It leads some confusion between “cardinality of a supplementary component and “number of supplementary components”.
3. Figure 5-1 (page 15)
 - There are no definition of <abstract>Message Property of Message Assembly in the text of the specification. Remove the association between Message Assembly and Message Property in Figure 5-1.
4. R20 (page 16)
 - The rule says that “inherits its name and definition”. Dose “name” mean “Dictionary Entry Name” or other names, such as Short name or Business term?
5. R24 (page 16)
 - Add another rule for R24: Sequencing the properties of MABIE should keep the order of the properties of the derived ABIE.
6. Constraints (page 17)
 - Line 389: Document Assembly should be Message Assembly. But there are no rules for MA constraints (It should be defined in Figure 5-1).