国際連携2020-1-08

UNECE

UN/CEFACT Standards

Kick-Off
Cross Industry Acknowledgement Project

1 July 2020 – 13.00 – 14.30 CET

Project Purpose

- **Support interoperability:**
  - Generic Acknowledgement message for Cross-Industry and Sectoral domains.

- **Function of the Cross Industry Acknowledgement message is to inform sender/issuer:**
  - that his message has been received.
  - that his message has been accepted/rejected.
  - that his message life cycle status has changed.

Project Scope

- **Business Requirement Specification (BRS):**
  - Develop and publish the business requirements.

- **CCBDA Data Model:**
  - Develop and publish the CCBDA message data model.

- **XML Message schema:**
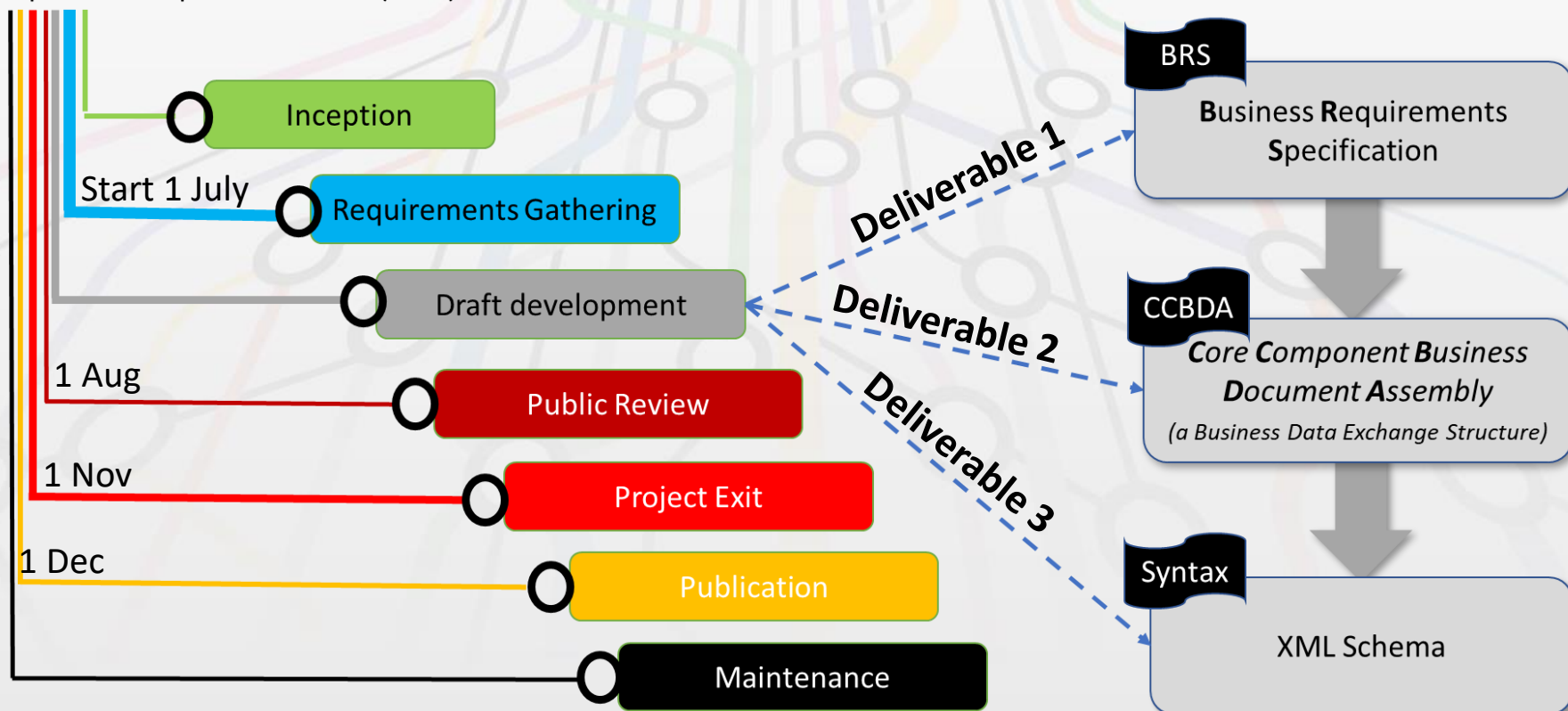 - Develop and publish the XML schema for the message.

Team members

- Project Lead
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  - Gerhard Heemskerk

- Project Editors
  - Gerhard Heemskerk

- Project members
  - Hidekazu Enjo (UN/CEFACT M&T)
  - Rolf Wessel (FeRD project lead DE)
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  - Jorg Walther (FeRD project member Germany / VDA)
  - Klaus Förderer (FeRD project member Germany / GS1)
  - Cyrille Sautereau (FNFE project lead France)
  - Anne Claire Krid ((FNFE project member France / GS1)
  - Michel Bormans (Insurance, Belgium / Telebib2 org)

Planning

UN/CEFACT Standards
Open Development Process (ODP)

Inception

Start 1 July

Requirements Gathering

Draft development

1 Aug

Public Review

1 Nov

Project Exit

1 Dec

Publication

Maintenance

BRS

Business **R**equirements **S**pecification

CCBDA

***C**ore **C**omponent **B**usiness **D**ocument **A**ssembly*
(a Business Data Exchange Structure)

Syntax

XML Schema

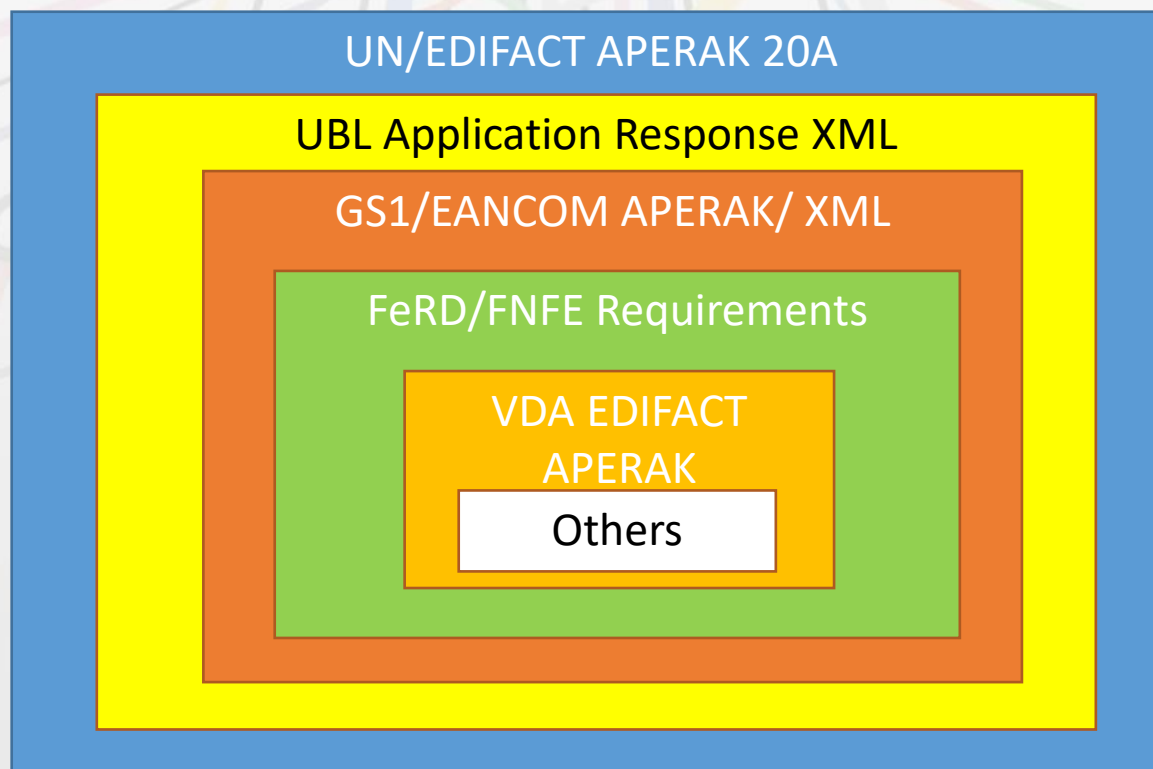Deliverable 1

Deliverable 2

Deliverable 3

Contributions

- **Initial contributions** *(only for consideration by the Project Team)*:
  - Trail version CI XML Acknowledgement JEC (Japan Committee).
  - APERAK EDIFACT message.
  - Sanitary and Phytosanitary XML Acknowledgement message.
  - Project Management XML Acknowledgement.
  - Laboratory XML Acknowledgement.

- **Other contributions**
  - FeRD/FNFE XML Acknowledgment/Status Response.
    - Taken into account:
      - UN/EDIFACT, VDA, Odette, GS1, UBL, INTTRA, PoV, FlorEcom, XML Sectorial, Japan Trial (Automotive, Multi-Sectoral, Shipping, Port Community, Horticultural)
      - Both EDIFACT and XML contributions (UBL/GS1 ecom).
  - Possibly submitted by other participants
- The Project Team may choose to adopt one or more of these contributions "as is".

Generic design

Background EDIFACT and XML

UN/EDIFACT APERAK 20A

UBL Application Response XML

GS1/EANCOM APERAK/ XML

FeRD/FNFE Requirements

VDA EDIFACT APERAK

Others

All can be found in the excel overview..

INCLUDED: UN/EDIFACT APERAK D19B plus

VDA APERAK D08A GAVJ10 (If no error was determined, the message is optional)	ODETTE APERAK DOC REF No: OM44 VERSION No: 2.0 APERAK D08A GAVJ10 (If no error was determined, the message is optional)	GS1 Profil multisectoriel V1 APERAK - EANCOM® 2002	EANCOM (GS1 Org) EANCOM® 2002 S3 2014	UBL ApplicationResponse v2.1
Japan - Trial Use Acknowledgement Message UN/CEFACT	INTTRA (Shipping Industry) APERAK D99A From INTTRA To Customer (and included D04A Vermas)	Port of Valencia (Shipping Industry) APERAK D00A From INTTRA To Customer (and included D04A Vermas)	FlorEcom (Horticultural Sector) APERAK D99A Response on Quotes	GS1 Org XML Application Receipt Acknowledgement 3.4.1

NOT INCLUDED: Sectorial Acknowledgements extra data needs

Referenced_ Document. Relationship Type. Code	SPS			
Referenced_ Document. Information. Text	SPS	LAB		
Referenced_ Document. Attached. Specified_ Binary File	SPS			
Referenced_ Document. Control Requirement. Indicator		LAB		
Referenced_ Document. Creation. Date Time		LAB		Alternative Issue Date Time
Referenced_ Document. Report Count. Numeric		LAB		
Acknowledgement_ Document. Creation. Date Time		LAB	PSCPM	Alternative Issue Date Time
Acknowledgement_ Document. Control Requirement. Indicator		LAB	PSCPM	
Acknowledgement_ Document. Report_ Submission. Date Time			PSCPM	Alternative in Ref Doc
Acknowledgement_ Document. Report_ Receipt. Date Time			PSCPM	Alternative in Ref Doc Received Date Time
Trade_ Party. Third Party Issued_ Identification. Identifier		LAB		Not in Reference BIE Trade Party
Trade_ Party. Third Party Issued_ Identification. Text		LAB		Not in Reference BIE Trade Party
Trade_ Address (all attributes)		LAB		Not activated for BSP

All has been put in the UN/CEFACT BRS format

1
2
3   *Draft*
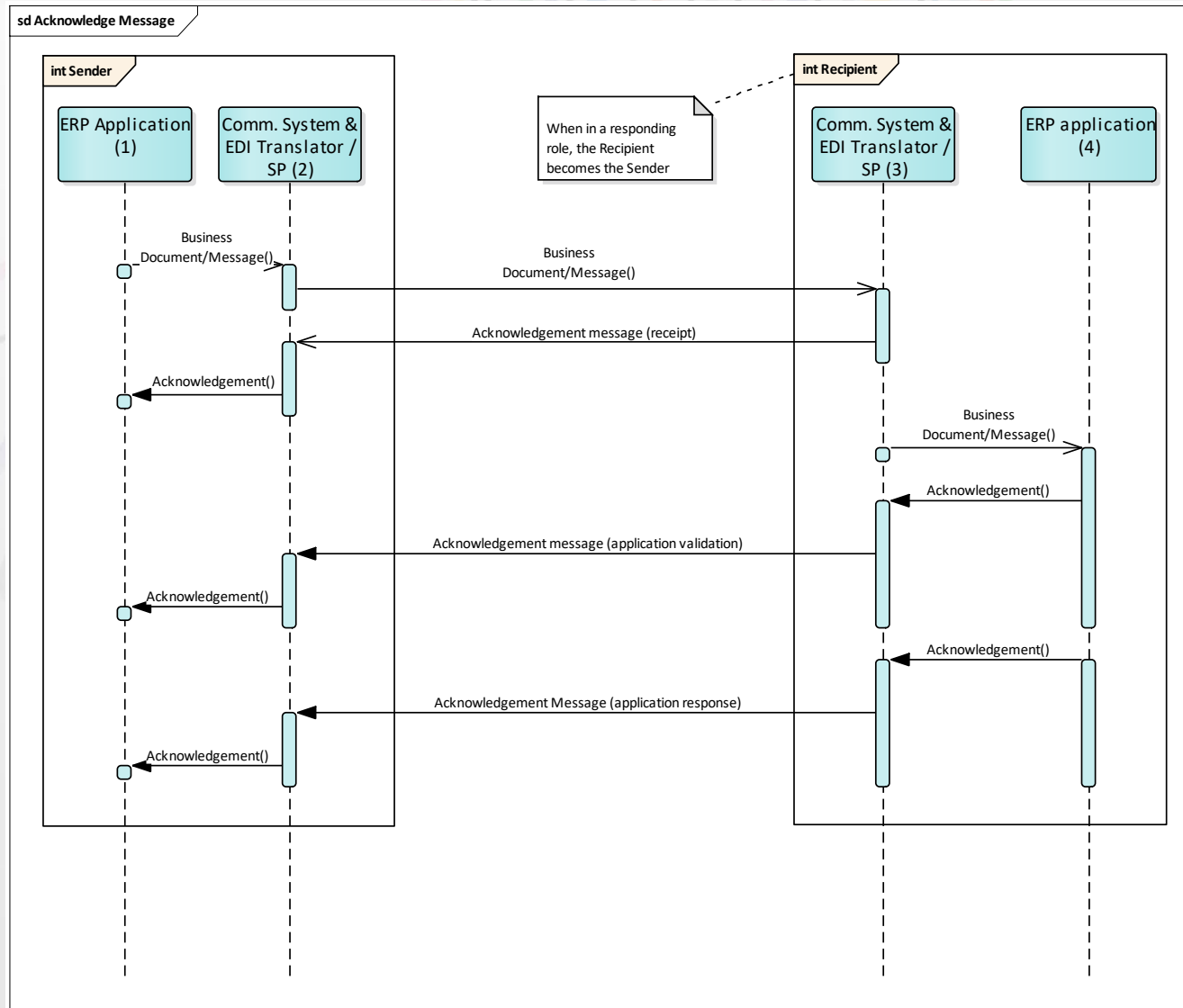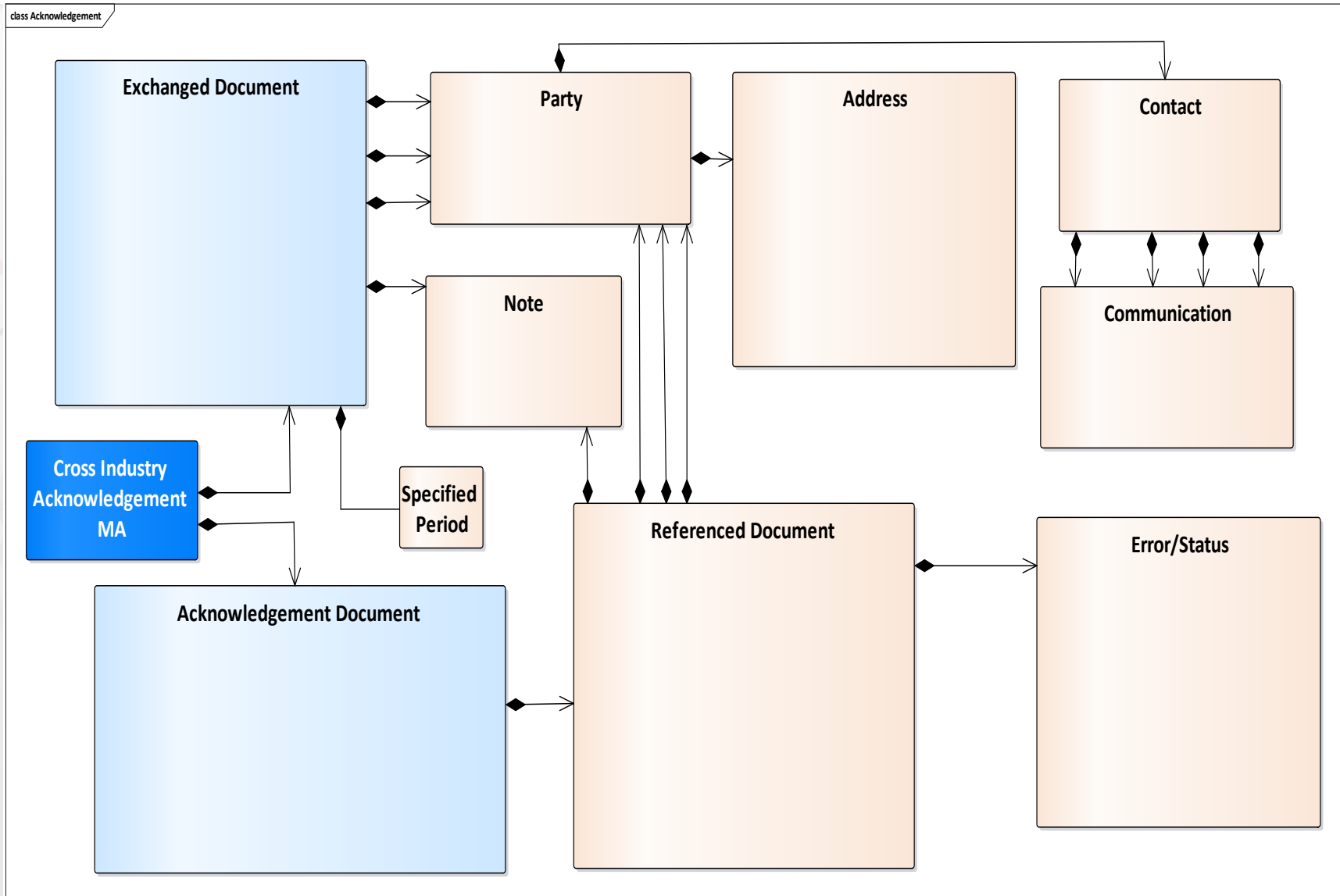4   *June 2020*
5   17/06/2020
6
7
8   **Contribution**

                           FeRD

9
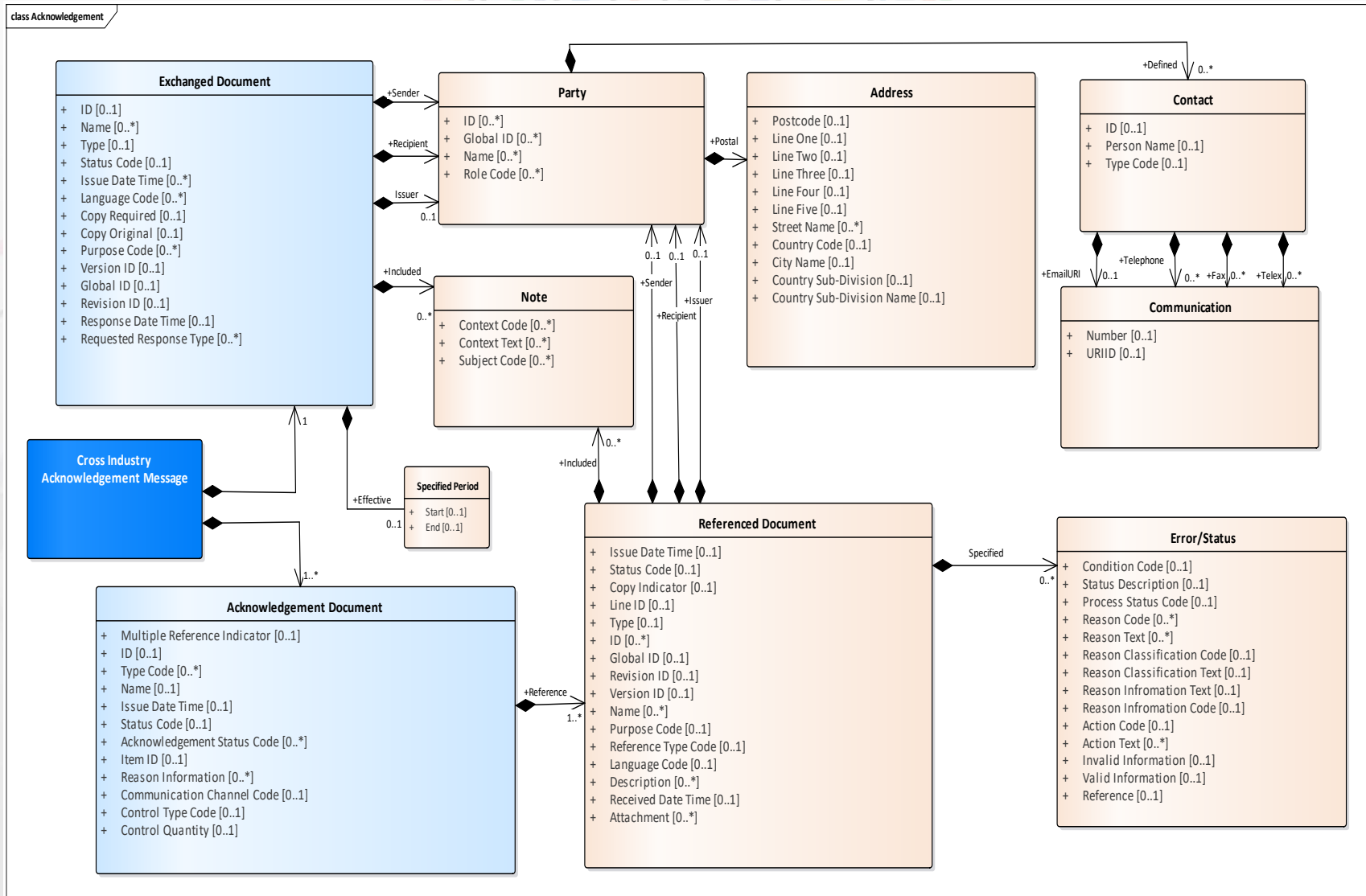10
11
          Forum National de la Facture Electronique

12
13   **BUSINESS REQUIREMENTS SPECIFICATION**

The message sequence….

Conceptual Data Model

The message so far…

Generic Requirements from all…

1. Function of the message is to inform the message sender/issuer that his message:
    - has been received or not.
    - has been accepted.
    - has been rejected.
    - status changed.

2. The exchanged document may specify a sender, recipient, issuer party.

3. The exchanged document and referenced document may have a note included.

4. The acknowledgment message contains 1 acknowledgement document which references to only 1 business document (user restriction).

5. The referenced document may specify 1 or more errors/statuses.

6. A referenced document may specify a sender, recipient or issuer party.

7. A party may have an address, contact and communication details.

8. An error can arise during a message/application validation or or wrong/unexpected envelop data.

9. A document status represents a condition which could be negative (e.g. due to an error), positive (e.g. acceptance) or refelecting a life cycle change (e.g. on hold, in process, paid). status is a condition which could be an error, positive validation or a life cycle change.

10. A condition can be further detailed by specifying an error code, an action code, valid information (correct data), invalid information (incorrect data), classification code etc.

11. A reference text can be used to specify an xpath, line id etc.

Just a few entries/codes needed for UN/CCL

- **Acknowledgement Document**
- Communication Channel Code (e.g. EM, AS2, AS3 etc)
- **Referenced Document**
- Version ID
- **Document Status attributes**
- Process Status (code list 4405, in process, on hold, paid)
- Reason Classification Code / Text
- Reason Information Code / Text
- Action Code Code / Text
- Reference Text
- Invalid Information Text
- Valid Information Text
- **Process Status Codes (Code List 4405)**
- Received
- Process started
- Paid (or Payment initiated)