

Specifications Domain

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

Domain Coordinator: Mr. Hisanao Sugamata

Projects:

API2RDM project

API Town Plan project

Maintenance:

NDR & CCBDA corregendum

Follow on:

CC/BIE for XHE



Agenda

10:00 – 10:30 Specification Maintenance

NDR & CCBDA Corrigendum

CC/BIE for XHE

10:30 – 11:30 RDM2API

Review API Guidance notes

Sandbox feedback

11:30 – 12:00 API Town Plan

Review the draft document

12:00 – 12:30 Wrap up

Possible new projects

Specification Maintenance

- NDR & CCBDA Corrigendum
 - Change requirements specified in “Message Construction Guideline for CCBDA” which has been approved and published.
- CC/BIE for XHE
 - XHE Specification was approved and published, but related CC/BIEs have not been specified in CCL.

NDR and CCBDA corrigendum

Change Request

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 change request is to correct errors and improve the specifications for user implementations of XML messages.

Deliverables

NDR 2.1.1

CCBDA version 1.0.1



*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 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). => XHE
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).

Action Plan for NDR/CCBDA Maintenance

- Prepare the draft specifications (NDR 2.1.1 and CCBDA 1.0.1) and review them by the project team (Message Construction Guideline)
- Ask Bureau to send call-for-participation (to Sue, Lance, Marek)

=>The next Forum

- Request to Bureau for publication



CC/BIE for XHE

- **Follow on the Exchange Header Envelope (XHE) project**

Status:

- XHE Specification has been published and the project exited.
- XHE data model is specified in the XHE Technical Specification.

Issue:

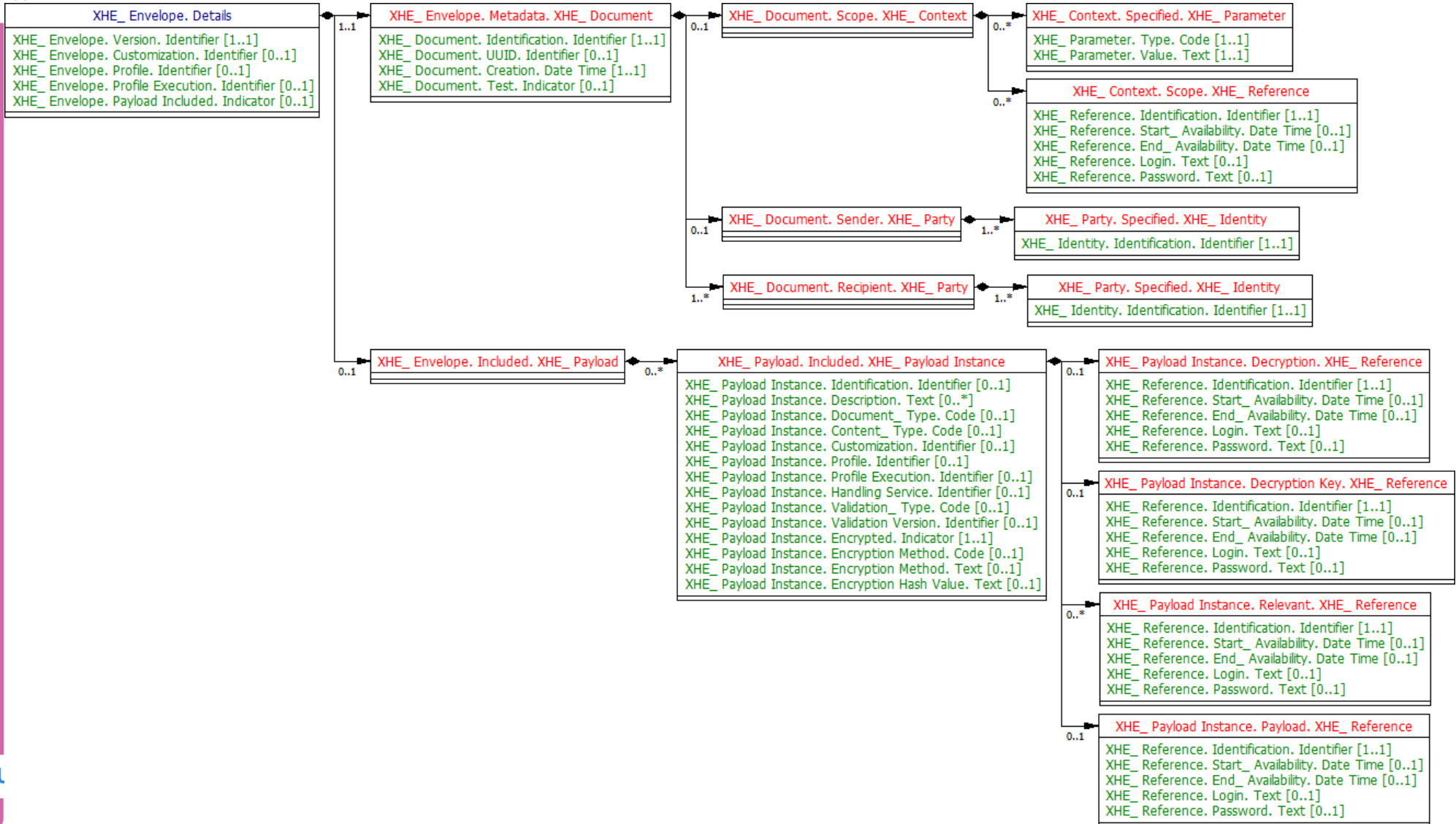
- When comparing the data structures represented by the various available sources, they all differ in names of the attributes/elements and the published schema includes elements, which are not in the model at all.

Required:

- XHE data model is to be registered in CCL in order to be the semantic base for implementations.



* Reference (XHE Data model)





Action Plan for XHE Follow on

- Prepare the CC/BIEs submission sheet and Submit them to L/M Team

=>End of July

Issue: How to use the envelope

⇒ For Soap (ebMS)

⇒ For HTTP

Discuss with in small group (API, Automotive, L/M group)



RDM2API

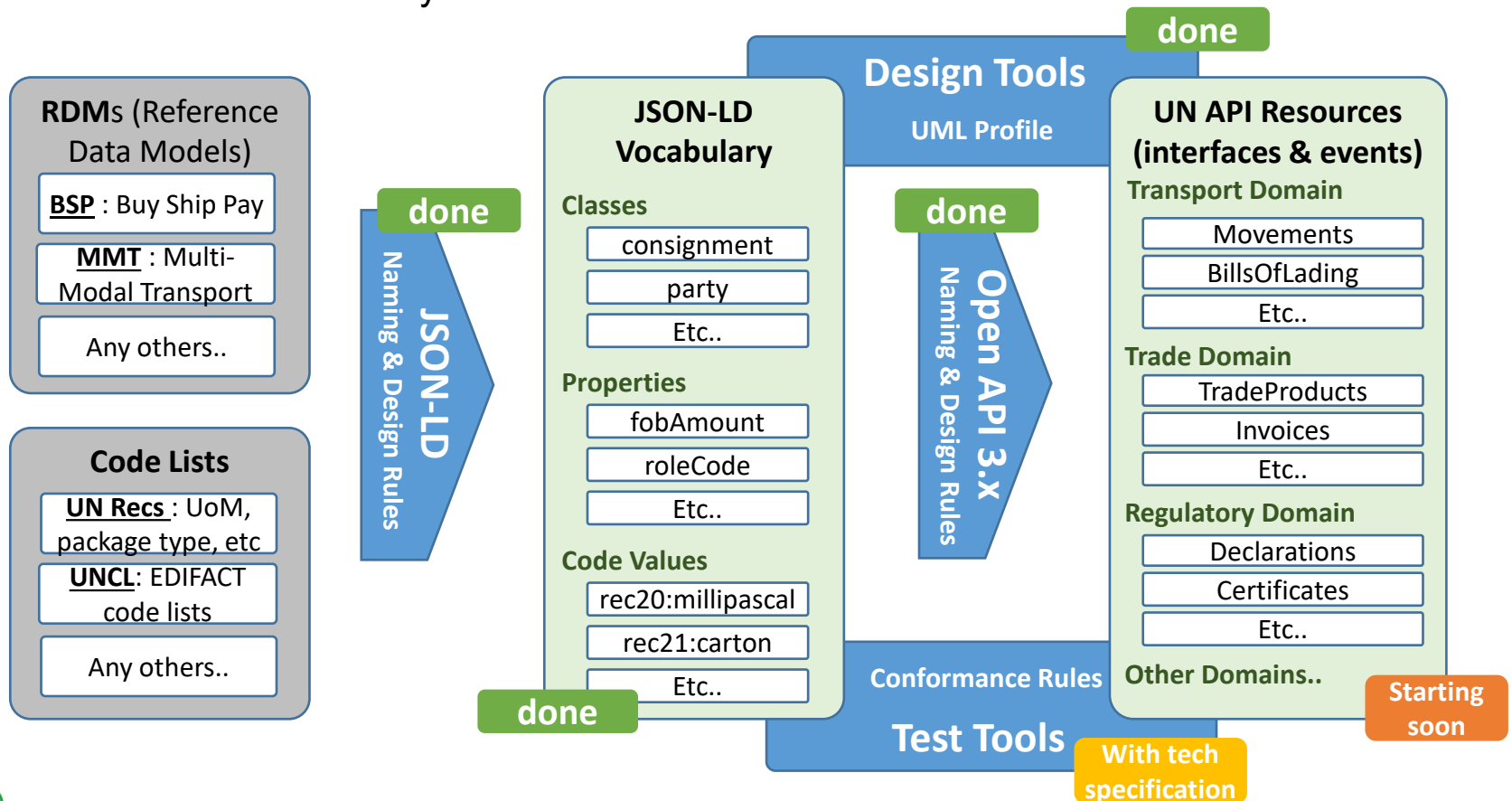
Project lead: Mr. Steven Chapell

- review deliverable on RDM2API - 3 guidance notes.
 - Open API Design Rules
 - RDM2API JSON Guide
 - RDM2API UML Profile
- Decide whether these deliverables are considered final and ready for bureau approval
- Discuss the next steps which would be to recommend new projects to turn these guidance notes into formal technical specifications.
- Discuss how the M&T domain will support the business domains in their modelling & design efforts
 - Automotive view (from Sandbox session)

RDM2API – Scope

To define rules for

- Publishing UN/CEFACT semantics (data models & code lists) as machine consumable JSON-LD vocabulary.
- To define rules for designing and publishing Open API 3.x specifications that leverage the standard vocabulary.





Concerns in Automotive view (from Sandbox session)

- For API solutions, these huge artefacts are sometimes hard to use. A toolbox of standardised building blocks (semantic units) is needed, which can be combined flexibly according to business process needs.
- For API solutions, a library of standardised data structures (ABIE) using qualifying attributes (type code, role code, etc.) rather than explicit names seems to be the best way to combine standardised semantics with ease of implementation (one also has to avoid arbitrary decisions).
- Flexible implementation of linked data necessary (aggregation (link), where possible, but composition (include) available as well).
- For business process, regional or industry specific processes we should provide and maintain a universal toolbox enabling solution developers to implement/support various processes using the same data structures / artefacts.





API Town Plan

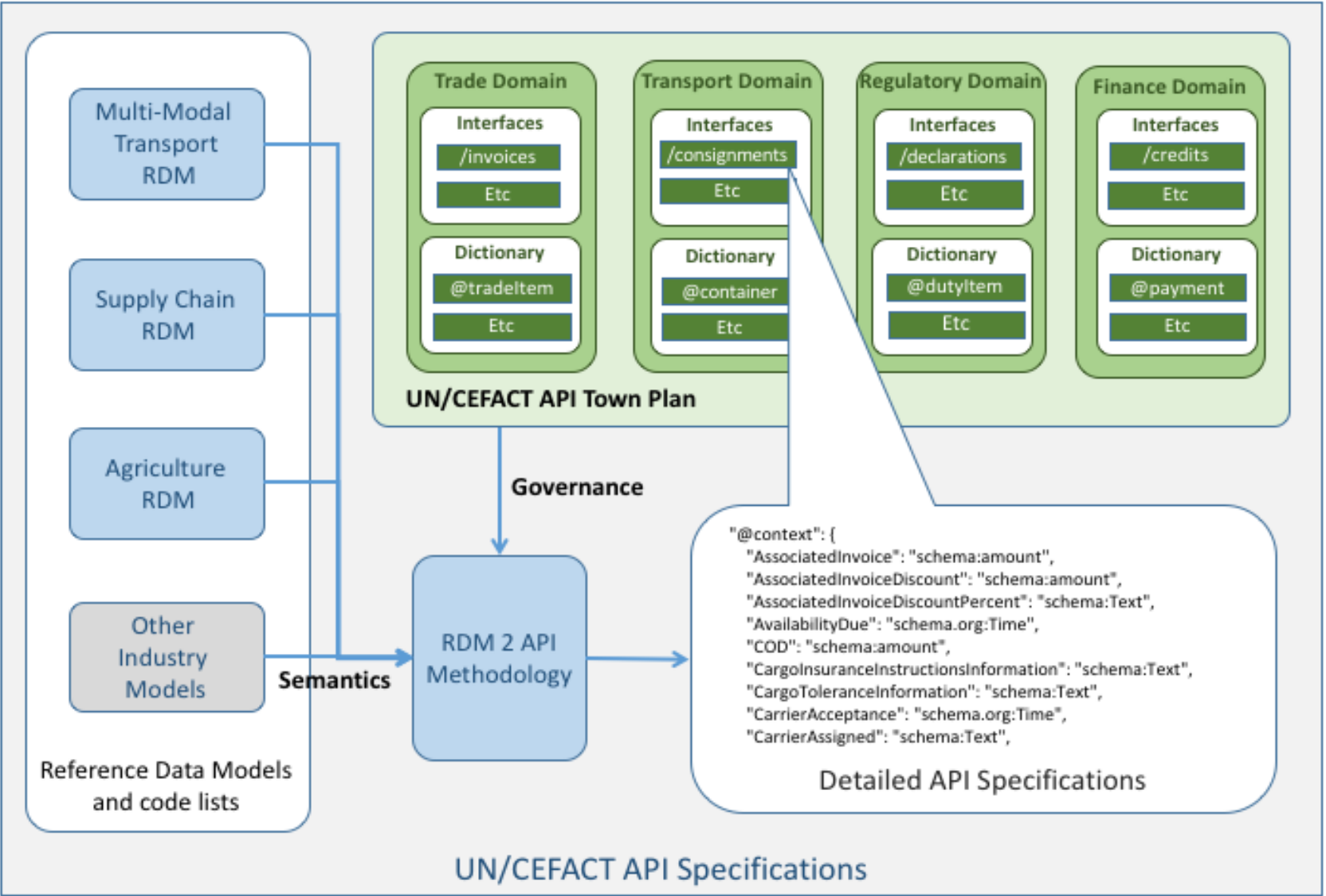


Project lead: Mr. Steven Chapell

- Discuss the draft document
 - 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
- Assess impact on UN/CEFACT governance & publishing framework

API Town Plan – Aim

- A map of business areas and API resources (i.e. the plan).
- Governance rules for changing the plan (e.g. a new area or resource)
- API version control (e.g. major, minor) and lifecycle rules (e.g. draft, stable, deprecated)
- Publishing model for JSON-LD vocabulary and API specifications.
- Implementation conformance criteria (i.e. how you can claim compliance)
- Community feedback mechanisms (i.e. how you contribute your needs and tell us what to fix).





Action Plan for API Projects

Requirements from Business Domain group (Automotive)

- (1) Qualified Association
- (2) Extension of API

Request from API project

- (1) 3 guidance notes to be formal technical specifications
- (2) Resource requirement for API project

