Welcome

Welcome to the November issue of the IFC Railway Room Newsletter. In the past September and October, we successfully had Vienna Workshop, Rome Workshop, and most importantly, Tokyo Summit. Now RWR is in the full planning cycle for the next step.

Highlights

• Vienna workshop
• Rome Workshop
• Tokyo Summit
Vienna Workshop, 6 September 2018

- People from IFC Rail, Common Schema, RTM, EULYNX and OGC get acquainted with each other.
- Voted and approved the spatial structure proposal from IFC Common Schema project.
- RTM and EULYNX presented their projects.
- Collected requirements for Alignment from different communities: IFC, OGC, SBB

Rome Workshop, 12 September 2018

- Identified a potential project issue: consensus finding, validation and verification. Working for a formal procedure. Solution is expected to be presented in Tokyo.
- Defined agenda Railway Room sessions in Tokyo Summit.
- Confirmed plan for regular Technical Service online meeting.
- Plan for updating IFC Rail Tutorial was confirmed. A draft will be reported in Tokyo.
For each Domain, it was the opportunity to meet, present progress, discuss and understand each other:

=> Communication is a key issue for our production success

Discovered the other IFC room progress/subjects and understand their issues;

=> Understand how infra is built under railway is the key future to have a complete project

Shared discussions/items regarding CS/SE which is still to be clarified and covered;

=> Shared/Common is necessary to a fully railway system functional

Addressed and discussed about common working rules and organization;

=> useful to keep a fluid and efficient system to progress in time

Signaling Domain Reorganisation;

Physical meetings in all domains are under planning.

We are very grateful to everyone who has contributed to this successful summit!
The project workflow is elaborated based on the general workflow confirmed in Xi'an Workshop.

Major updates are:

- Shared/Common group is considered in this workflow
- Detailed process for Data Requirements and IDM work
- Requests Domain Groups to define Domain Conceptual Model (UML) if possible.
- Detailed process for modeling work, which will still be refined during pilot project
## Updated due dates for Domain

<table>
<thead>
<tr>
<th>Priority</th>
<th>Description</th>
<th>30/11/2018</th>
<th>30/11/2018</th>
<th>31/12/2018</th>
<th>30/11/2018</th>
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</thead>
<tbody>
<tr>
<td>High</td>
<td>Data Requirements (1st version, agreed in domain by DLs)</td>
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<tr>
<td>High</td>
<td>Use Cases (agreed in domain)</td>
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<tr>
<td>High</td>
<td>Domain Conceptual Model (1st version, agreed in domain)</td>
<td>31/01/2019</td>
<td>02/2019</td>
<td>tbd</td>
<td>tbd</td>
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<tr>
<td>Medium</td>
<td>Data Requirements (final version, after iterations and consensus finding)</td>
<td>31/01/2019</td>
<td>01/2019</td>
<td>02/2019</td>
<td>tbd</td>
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<tr>
<td>Medium</td>
<td>Domain Conceptual Model (final version, after iterations and consensus finding)</td>
<td>15/03/2019</td>
<td>30/06/2019</td>
<td>tbd</td>
<td>tbd</td>
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<tr>
<td>Medium</td>
<td>Process Map (agreed in domain)</td>
<td>15/03/2019</td>
<td>03/2019</td>
<td>05/2019</td>
<td>tbd</td>
</tr>
<tr>
<td>Low</td>
<td>Exchange Requirements (1st version, agreed in your domain by DLs)</td>
<td>15/05/2019</td>
<td>04/2019</td>
<td>06/2019</td>
<td>tbd</td>
</tr>
<tr>
<td>Low</td>
<td>Exchange Requirements (final version, after iterations and consensus finding)</td>
<td>15/08/2019</td>
<td>07/2019</td>
<td>06/2019</td>
<td>tbd</td>
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- Due dates of Domain Group deliverables are updated according to Domain Leader’s confirmation.
- Deliverables are prioritized; Deliverables with structured data (Data Requirements, Conceptual Model and Exchange Requirements) are set with two due dates: 1st version and final version.
- Signaling and Telecom Domains require more time to confirm due dates of deliverables. They will be decided in November.
- According to due dates of Domain deliverables, due date of IFC Rail modeling work and final deliverable will be extended to the end of 2019.
**IFC Rail Tutorial**

A self-contained, comprehensive tutorial.
- Version 2 – to be finalised after Tokyo summit
- Version 3 – end of 2018 / January 2019

Contain every possible aspects in the IFC Rail project
Can be generalized as a tutorial for all IFC standardization projects.

Table of Contents:
1. Introduction
2. Context and ambition for IFC Rail
3. Glossary
4. IFC Rail Domain deliverables
5. bSI core deliverables
6. Mapping deliverables: IFC Rail to bSI core (tbc in rel. 3)
7. Consensus, Validation and Verification
8. Tooling (for rel.3)
9. Tool chain for modelling (for rel. 3)
10. References

**IFC Rail Pilot for Modeling**

- Technical Service decide to start a pilot project for IFC data modeling.
- A pilot IFC extension project, start from Data Requirements to MVD definition. It is an evaluation process and a training process.
- Evaluate modeling workflow: Data Requirements, Conceptual Model, IFC integration, Data Dictionary, MVD definition.
- Test tool chain: Excel, EA UML, EXPRESS2UML converter, BIM-Q, ifcDoc
- Using Data Requirement examples from Track Domain
- Contribute to the IFC Rail Tutorial
- A workshop in December is under planning
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We are looking forward to a more fruitful year!