



UNECE
UN/CEFACT

Orchestration Focal Point

Showcase UN/CEFACT Semantic Specifications in a
Way that Suits Implementations of Web Platforms



16 October 2018, from 14:00
Deefly Zhejiang Hotel, Guiyu Room
Hangzhou, China

<http://www.unece.org/hangzhouforum-orchestration.html>

Background

Over the past decades, UN/CEFACT has developed a number of standards including business process models, XML schema and core components. The general overarching technical specification of the UN/CEFACT Modeling Methodology (UMM) was intended to guide much of this work. This guidance was useful for electronic messages which correspond to complete paper documents.

Today, data exchange is being conceived as snippets of information through event-driven data exchanges instead of exchanging complete 'document' equivalent messages. This is evident in projects such as the Reference Data Models, the Data Pipeline, Blockchain or Internet of Things. These new methods of data exchange require new methods of considering how these exchanges can work together and complement each other for a same transaction.

Objective

The scope of the international supply chain orchestration focal point is to support the efforts of all UN/CEFACT supply chain related projects to deliver their semantic specifications in a way that suits implementers of web platforms and pipeline /IoT projects as well as traditional document exchange projects. To achieve that, we propose to:

- Develop an architecture model that presents the [Supply Chain Reference Data Model \(SCRDM\)](#) and [Multi-Modal Transport Reference Data Model \(MMT\)](#) as a set of granular information resources with clearly defined [state lifecycles](#).
- For each web resource, develop an [Open API 3.0 specification](#) that represents the resource as a [RESTful API](#) with [JSON](#) data payload and [JSON-LD](#) links to related resources.
- Develop a standard event specification based on [W3C WebSub](#) that will be used to exchange the event messages (aka "snippets") that describe each state change in the web resource lifecycle.

The goal of this work is to "show the way" by example. The focal point will facilitate and not duplicate the work of other projects.

Agenda 16 October 2018

14:00 – 14:15 - Welcome address

- Ms. Maria Ceccarelli, Chief of the UNECE Trade Facilitation Section

14:15 – 14:30 - Overview of the Orchestration Focal Point

Overview of OFP's purpose and scope and what it hopes to accomplish through the work agenda.

- Mr. Ian Watt, Vice Chair of UN/CEFACT

14:30 – 15:00 - A modern developer's guide to UN/CEFACT standards

Projects such as the Reference Data Models, Data Pipeline, Blockchain and Internet of Things are requiring new methods for data exchange based on event-driven data architecture.

This session will provide an overview of the work agenda, current and planned, to future-proof UN/CEFACT data exchange standards and present standards, such as the Supply Chain Reference Data Model (SCRDM) and Multi-Modal Transport Reference Data Model (MMT RDM), to the developer community.

- Mr. Steve Capell, Project Leader Canonical Models

15:00 – 15:30 – Open discussion

- Moderator: Mr. Rajiv Garg, Domain Coordinator of ISCO Domain UN/CEFACT
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15:30 – 16:00 – BREAK

16:00 – 16:45 – Standards for near real-time visibility and traceability in maritime and ports

Standards for near real-time visibility and traceability in maritime and ports.

Presentation by GS1 on GS1 standards related to Transport & Logistics and current, active projects, including Port Call Optimization, APMEM, EPCIS, and asset Management/intermodal container tracking.

- Mr. Anders Grangard, GS1

16:45 – 17:15 – Open discussion

- Moderator: Mr. Rajiv Garg, Domain Coordinator of ISCO Domain UN/CEFACT

17:15 – 17:30 – Closing remarks

- Mr. Ian Watt, Vice Chair of UN/CEFACT

What is UN/CEFACT?

UN/CEFACT, the United Nations Centre for Trade Facilitation and Electronic Business, supports activities dedicated to improving the ability of business, trade and administrative organizations, from developed, developing and transition economies, to **exchange products and relevant services effectively**. Its principal focus is on facilitating national and international transactions, through **the simplification and harmonization of processes, procedures and information flows**, and so contributing to the growth of global commerce.

UN/CEFACT has a global mandate. Participation in the UN/CEFACT Forum is open to all. There are some 300 experts representing every region in the world.

Within the framework of the United Nations Economic and Social Council, the United Nations Economic Commission for Europe (UNECE) serves as the focal point for **trade facilitation recommendations and electronic business standards**, covering both commercial and government business processes that can foster growth in international trade and related services. In this context UN/CEFACT was established, as a subsidiary, intergovernmental body of the UNECE.

For more information:
<http://www.unece.org/cefact>
See also: <http://tfig.unece.org/>

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This conference takes place during the Forum in Hangzhou.

Participation is free of charge, but all participants must register as participants to the Forum.

Detailed agendas and registration available at:
<http://www.unece.org/hangzhouforum.html>