United Nations Centre for Trade Facilitation and Electronic Business (UN/CEFACT)

36th UN/CEFACT Forum
Virtual meetings, 26 April 2021 to 7 May 2021

CLOSING SESSION, 7 May 2021
Welcome

• Ms. Sue Probert
  Chair UN/CEFACT

• Mr. Lance Thompson
  Secretary, UN/CEFACT
  Economic Commission for Europe
International Trade Procedures Programme Development Area

Vice Chair Estelle Igwe
TPF project: White Paper on Encouraging Private Sector Participation in NTFB

• Participants confirmed the problem statement and objective of the White Paper
• Calendar: Draft by 30 November 2021
• Several experts will join the team
New projects: Brainstorming

Rec 18

• Need for review expressed by Bureau, Domain Coordinators, Secretariat and experts.

• Review should go beyond maintainance (i.e. updating references)

Cross TPF-Domain Coordination

• Reactivate regular domain exchange to identify cross-cutting issues and remain informed

• Proposal to adhere to uniform layout for recommendations
New projects: Brainstorming

Security and trade facilitation
- Relevant topic but likely unpopular

(Non Preferential) Certificate of origin
- Relevant project, highly political and sensitive,
- Other research and practices (UNESCAP available in Sept, WCO 2020, GATF projects and AACE)
- Linkage with other domains

AEO and OGA
Agency Coordination on trusted operator status in the transport industry, as well as SPS agencies
- Relevant topic

CBM
- Coordinate with CBM RDM project team on data exchange dimension linkage with Reference data model

Data simplification
- Guidance on reducing data requirements highly relevant given the increasing demand for more data by all government agencies
New projects: Next steps

• Rec 18: Proposed to launch update project in 2022
• New topics: not yet ripe for projects
  • Domain coordinators to develop concept for each of these topics and update the welcome brochure accordingly.
• Proposal to host webinar on CoO at next Forum to take stock of work and decide on project
• Noted: Rec 14 related work (authentication, Digital ID, Signatures) discussed in many domains. Opportunity for cross-domain work
International Trade Procedures Programme Development Area

Vice Chair Aleksei Bondarenko
Objective:
- reminded advances in the recently revised UNECE Rec. 33, Rec. 38, the results of the White Paper on Core Principles and the results of the new Recommendation 47 on Pandemic Crisis Trade-Related Response.
- received feedbacks from country experiences (6 countries) on how their Single Window systems have helped to keep trade flowing during the Pandemic.
- discussed next steps in UN/CEFACT’s Single Window development and how this could relate back to the COVID-19 pandemic.
Recently completed
Rec.38 on Trade Information Portals

Current projects

BRS for Trade Information Portals
SWD – upcoming activities

• Discussed Ideas for possible new projects

• There are new initiatives as a priorities:
  • Single Window Assessment Methodology
  • Integrated Risk Management (risk profiling) for SW
International Supply Chain Programme Development Area

Vice Chair Ian Watt
ISC-PDA, Supply Chain Mgmt & Procurement Domain

• Coordinator: Mr. Edmund Gray

• Active Projects
  • eNegotiation
    • Project Lead: Mr. Hisanao Sugamata
  • Automotive
    • Project Lead: Mr. Rob Exell
  • Transfer of MLETR-compliant titles
    • Project Lead: Mr. Kay Ren Yuh
  • Cross Industry Supply Chain Track and Trace
    • Project Lead – Ms. Hanane Becha
Joint Meetings

• Monday – API Guideline Sandbox for use with UN/CEFACT
  • Steve Capell, Nis Jespersen and Rudy Hemeleers presented practical use cases and demos using JSON-LD and REST based APIs.

• Wednesday – Joint Traceability Discussion
  • SCMP, T&L and AGRI domains discussed common issues on Track and Trace.
eNegotiation Project

Project lead: Mr. Hisanao Sugamata - Lead editor: Mr. Shinji Nakadi

- **eNegotiation BRS and Implementation Guide**
  - The draft documents are reviewed and accepted.
  - Comments:
    - Consider the Data Pipeline in eNegotiation process in future.
    - eNegotiation process is to be aligned to the business process developed in the target area (Bidding in Maritime, Booking in Air cargo, Scheduling in Manufacturing).

- **Action plan:**
  - Prepare the BRS draft for the public review: End of June
  - Develop the implementation guide: End of July
  - Submit the CC/BIEs for CCL: End of July
  - BRS Public review: August - September

- **Issue:**
  - Arrange a joint review meeting with T&L domain
Project Lead: Mr. Rob Exell

- The updated BRS documents for CI Scheduling Process and CI Delivery Process were presented and discussed.
- Some outstanding issues remain to be resolved but should not delay the original timing plan by more than 1 month.
Project Lead: Mr. Kay Ren Yuh

- Active and consistent participation from 20+ experts in this project with the first draft having been created by about 10 experts and loaded onto CUE.
- Brief hiatus for a few months now due to unforeseen circumstances. Meetings will restart in May and discussions on the draft will resume.
- Planned new target submission date to the Bureau is August 2021
Cross Industry Supply Chain Track & Trace

Project Lead: Ms. Hanane Becha. Lead Editor: Mr. Todd C. Frazier

- Cross Industry Supply Chain Track and Trace was presented.
  - This project will enable tracking and tracing of products (or assets) and information sharing in *standard* electronic format.

- Track and trace will cover any *traded and identified items* including transport equipment or assets (e.g., box, pallet, container, etc. … even empty!).

Current status:

- Information gathering through a green paper is complete.
- White Paper on Multi-Modal Transportation approved by Bureau.
- BRS – in progress.
New proposals

The following are the current proposals being considered within SCMP:

• Interest in accelerating the API TownPlan project in order to progress JSON-LD subsets.
• Proposal to test the RDM2API guidance based on automotive industry need
• A project to develop a syntax binding CI Order subset mapped to CEN/TC 440 Order business terms.
• Request that Secretariat establish Liaison with CEN/TC 434 and CEN/TC 440
ISC-PDA, Travel & Tourism Domain

• Coordinator: Mr. Sachin Mehta

• Active Projects
  • Business Standards for Sustainable Tourism
    • Project Lead: Mr. Tunghua TAI
  • Experience Programs Technical Artefacts
    • Project Lead: Mr. Sachin Mehta
Business Standards for Sustainable Tourism

- Considerations of the negative impact of Covid-19 on the Travel & Tourism were assessed against the pre-Covid-19 delivered ‘Green Paper’.
- New post-Covid-19 scenarios were considered, including the impact on sustainability of increased domestic tourism.
- Original due date of the draft white paper deliverable of 2021-08-31 and publication date 2021-11-15 are to be moved out 6 months allowing the team time to observe post-Covid-19 industry recovery scenarios.
Experience Program Technical Artefacts Project

• Discussion based on the drafts developed as follow.
  • BRS (including Class and BIE Diagrams, Business Terms, etc.)
  • Code List, Candidate Core Components
  • Draft Technical Implementation Guide
• These will be finalized, targeting the end of May.
• Use Cases of Experience Programs were presented, intending to apply the standardized Experience Programs Technical Artefacts
The other Items Discussed

• Commenced discussion on what advanced technologies could be applied to Travel & Tourism trading systems with the intent of inclusion in future working items

• Team awareness session introducing UN/CEFACT method artifacts, CCTS UMM to assist new members both business and more technically minded to align on contribution to development of deliverables leading to BRS development, CCL & RDM updates
International Supply Chain Programme Development Area

Vice Chair Hanane Becha
Insurance Domain overview

• **Coordinator:** Mr. Michel Bormans
• **Supporting VC:** Ms. Hanane Becha

• **Project:** Reimbursement of Healthcare Claims
  • Project was archived

• **Potential future work:**
  • Green card (vehicle insurance) e-business standard
Transport and Logistics Domain overview

- **Coordinator**: Mr. David Roff
- **Supporting VC**: Ms. Hanane Becha
- **Projects**
  - International Forwarding and Transport (completed)
    - Project Lead: Mr. Michael Dill
  - Transport Modal Views of MMT
    - Project Lead: Mr. Michael Dill
  - IMO FAL Electronic Compendium Mapping
    - Project Lead: Mr. Nico De Cauwer
  - IFTDGN Dangerous Goods
    - Project Lead: Mr. Nico De Cauwer
  - Minimum Standards for Ship Agents and Ship Brokers (completed Rec45)
    - Project Lead: Mr. Jonathan Williams

- **Potential future projects**:
  - Sector-specific implementation of the Supply Chain Reference Data Model
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.

Code Lists
- UN Recs: UoM, package type, etc.
- UNCL: EDIFACT code lists
  Any others...

RDMs (Reference Data Models)
- BSP: Buy Ship Pay
- MMT: Multi-Modal Transport
  Any others...

With tech specification

Design Tools
- UML Profile
- Naming & Design Rules

JSON-LD Vocabulary
- Classes: consignment, party, Etc...
- Properties: fobAmount, roleCode, Etc...
- Code Values: rec20:millipascal, rec21:carton, Etc...

Conformance Rules

UN API Resources (interfaces & events)
- Transport Domain: Movements, BillsOfLading, Etc...
- Trade Domain: TradeProducts, Invoices, Etc...
- Regulatory Domain: Declarations, Certificates, Etc...
- Other Domains: Starting soon

Test Tools
UNDA multiagency project in response to the COVID-19 crisis. ECE segment: multimodal data exchange harmonization using UN (UN/CEFACT) standards and reference data models

Upgrading existing and developing data exchange standards for key documents accompanying cargo in different modes of transport

Based on UN/CEFACT Multimodal Transport Reference Data Model

Pilot applications: e.g. in a digital multimodal transport corridor or documents (FIATA B/L, air cargo, IWT)

Key partners: UN organizations custodians of transport documents: UNECE, ICAO, IMO, etc., and work with key non-UN partners.
International Forwarding and Transport (completed)

- Many operators still have a document-centric approach to data exchange including wide use of the IFT*** family of UN/EDIFACT UNSMs.
- Business Requirements Specifications (BRS) done.
- Profiles for many classic transport document types done -> next step to publish further profiles on the UN/CEFACT website after UN/CEFACT Bureau notification (see UNTTC.ORG website).
- Current phase: Air Mode and Dangerous Goods.
Transport Modal Views of MMT

MMT RDM profiles – Various Transport Modes

- Base (BSP to MMT RDM)
- MMT RDM
- Customization (Transport Modalities)
  - eCMR
  - Maritime BoL
  - CIM SMGS
  - Inland waterway BoL
  - FIATA BoL

Buy/Ship/Pay (BSP) RDM
Minimum Standards for Ship Agents and Ship Brokers (completed Rec45)

- Originally introduced by UNCTAD in September 1988
- Intended to “serve as guidelines for national authorities and professional associations in establishing their own standards” by:
  - Upholding high standards of ethics and business practice...
  - Promoting professional education and experience...
  - Encouraging sound and stable businesses
  - Combatting maritime fraud
  - Establishing sound shipping agency sectors

Review Process:

- The draft was made available for public review and comment on 20th June 2020 for 60 days
- The public review brought forward three comments and four proposals for changes to the current draft
- The project was subsequently approved by the Plenary and is now pending final publication. The text is available at:
  [https://unece.org/sites/default/files/2021-02/ECE_TRADE_C_CEFACT_2021_08E-Rec45_ShipAgentMinStandards.pdf](https://unece.org/sites/default/files/2021-02/ECE_TRADE_C_CEFACT_2021_08E-Rec45_ShipAgentMinStandards.pdf)
Highlights from the T&L forum

• Joint session on traceability – toward achieving transparency from different perspectives (regulatory & logistics)
• Many active projects delivering standards in support of achieving efficient data exchanges across different modes of transportation
• API session – standardizing & modernizing data exchange and CCL usage
• Adoption of UN/CEFACT work by different organisations and collaborative projects
• UN project to respond to the COVID-19 crisis
• Insights from different transport and logistics partners (SMDG, IPCSA, BIC, PROTECT, FIATA, DCSA)
• Encouraging collaboration with other organizations
International Supply Chain Programme Development Area

Vice Chair Liliana Fratini Passi
ISC-PDA, Finance & Payment Forum activities

Vice Chair:
• Ms. Liliana Fratini Passi

Domain Coordinator:
• Mr. Fabio Sorrentino

Active project:
• Open Finance for Trade Facilitation

Next step:
• Informal domain meeting in June/July

Activities carried out in this Forum:

Analysis of progress concerning the White Paper Open Finance for Trade Facilitation
• Open Finance characteristics
• Open Banking experiences around the world
• Fintech & advanced technologies in the financial services sector
• Open Finance use cases to back trade facilitation
ISC-PDA, Accounting & Audit Forum activities

Vice Chair:
• Ms. Liliana Fratini Passi

Domain Coordinator:
• Ms. Anita Patel

Active project:
• Accounting and Audit Reference Data Model (A+A RDM)

Next step:
• Developments of the A+A RDM, including Business Requirements Specifications (BRS)

Activities carried out in this Forum:
• Mapping activity concerning the A+A RDM standards, including core components, XBRL Global Taxonomy Framework, and Standard Audit File
• Development of Business Requirements Specification (BRS)
Regulatory / e-Government Programme Development Area

Vice Chair Tahseen Khan
REG-PDA – eData Management Domain
Achievements & ongoing work

Current projects

- Internet of Things for Trade Facilitation
  - Finalized draft of Standards Whitepaper - to be sent to Secretariat
  - Completed the Use of IoT in TF Whitepaper. Final draft being worked on

- Cross border Inter-ledger exchange for Preferential Certificates of Origin using Blockchain
  - Approach change to include verifiable credentials on Blockchain for preferential eCoO

- UN/CEFACT Chain project
  - Focus on developing and extending interoperability framework for Blockchain infrastructure to make it more global in nature

- Digital ID for Trade Facilitation
  - Focus on developing guidance material, best practices for business, asset and other identity, credential/claim management for cross border trade. Discussions held with experts of GS1 who have shown interest in working on this project
**REG-PDA – eData Management Domain**

**Future plans**

**Artificial Intelligence in Trade Facilitation**
- Project Proposal prepared with Sray Agarwal as Lead
- Interest of studying aspects of Ethical AI in cross border trade

**Electronic notarization and Trusted Third Party**
- Studying the possibility of a new project on electronic notarization/trusted third parties for trustworthy electronic transactions

**Information security guidelines**
- Studying the possibility of a new project on information security guidelines for trade around cyber security, mutual recognition, data retention, and data confidentiality
Regulatory and eGovernment PDA
Cross Border Management Domain

Tahseen Khan
UN/CEFACT Vice Chair, REG-PDA

Amar More
Cross Border Management Domain Coordinator

Ananth Rathakrishnan
Cross Border Management Domain Coordinator
REG-PDA – Cross Border Mgmt Domain
Ongoing work & future plans

Current projects
• Cross Border Management Reference Data Model – nearing completion

Projects at Proposal stage
• Studying the possibility of a project on blockchain based AEO mutual recognition data exchange – Draft proposal to be circulated
• Studying the possibility of a project on digital corridors – Draft proposal created and to be fine tuned

Other Projects
• Guidelines for standards-based ICT for government development strategies – tentatively explored after Sept. 21
• Land Locked Borders facilitation/standardization - under discussion
Regulatory / e-Government Programme Development Area

Acting Vice Chair Harm Jan van Burg
REG-PDA, Agriculture, Fisheries and Agrifood

During this Forum

• Current projects
  • eCert Guide
  • eQuality certificate
REG-PDA, Agriculture, Fisheries and Agrifood During this Forum

• Proposed work
  • **eCert Guide**: review of the comments to be received through CUE and finalizing the Guide
  • Identifying further technical instruments for paperless use of electronic certificates during border crossing
  • Research on possibility for electronic exchanges of other certificates than SPS, eCites, Certificate of Origin
  • **E Labs project follow up**: Proposition to French Ministry to set up a draft proposal to make a link between CEN/ISO standardization process and UN/CEFACT in matter of work communication in both networks
  • Transparency and Traceability of Sustainable Value Chains in the Garment and Footwear Sector
    • Development of code lists/IDs and XML messages (existing project)
    • Sustainable development and circular economy BRS for further updating CCL based on completed work, to expand to other key sectors (new project)
Methodology and Technology Programme Development Area

Vice Chair Marek Laskowski
Vice Chair:
• Mr. Marek Laskowski

Domain Coordinator:
• Mr. Hisanao Sugamata

Sessions:
• API Guideline Sandbox for use with UN/CEFACT
• Specification Domain Meeting

Activities:
• Specification Maintenance Proposal
  ➢ NDR & CCBDA Corrigendum
  ➢ CC/BIE for XHE

• API Projects
  ➢ RDM2API
  ➢ API Town Plan
Specification Maintenance

• NDR & CCBDA Corrigendum Request
  ➢ Change requirements specified in “Message Construction Guideline for CCBDA” which has been approved and published.
  ➢ This change requests are non-substantive revisions.
  ➢ The SPEC domain request that the Bureau initiate ODP Maintenance for these deliverables.

• CC/BIE for XHE
  ➢ XHE Specification was approved and published, but related CC/BIEs have not been specified in CCL.
  ➢ Project Proposal will be put forward in order to submit the required CC/BIEs to the Library.
  ➢ Plan to study how to use the XHE in the ebXML environment and the API environment.
API Projects

- RDM2API
  - API design rules and guidelines are to be published internally.
    - Open API Design Rules
    - RDM2API JSON Guide
    - UML Profile Guideline
  - Assess the requirements raised from the business domain.
    - Qualified Association
    - Extension of API
  - Project proposal will be put forward to develop technical specifications.

- API Town Plan
  - API Town Plan draft document is under development.
    - A map of business areas and API resources
    - Governance rules for publishing and changing
Vice Chair:
• Mr. Marek Laskowski
Focal Points:
• Ms. Mary Kay Blantz
• Mr. Enjo Hidekazu
Sessions:
• Showcasing benefits and maintenance procedure of UN Core Component Library (April 30th)

Activities:
• D.21A already completed and validated

M+T-PDA, Library & Validation
Recent activities
Vice Chair:
• Mr. Marek Laskowski

Focal Point:
• Mr. Gait Boxman

Sessions:
Wed. 5 May and Thur 6 May
• UN/EDIFACT DMR Review

Activities:
• UN/EDIFACT directories (D.21A)
• 58 - Approved
• 70 - approved with changes
• 1 - postponed
• 7 - rejected
• 1 - withdrawn by submitter
➤ Project proposal will be put forward to revise maintenance procedures.
Code List Discussion
Code List Discussion
We look forward to seeing you at the next UN/CEFACT Forum

Watch for announcements in June-July 2021
Thank you