Bureau Overview of Developments

• What we set out to do
  – To make things work better, faster
  – To strengthen quality of deliverables
  – To respond to stakeholders
  – To communicate within
  – To outreach to others to avoid duplication
- To be strategic
- To set priorities
- To deliver on our mandate
- To maintain our recommendations and standards

• What we did
  - We put the new structure into operation
- We delegated responsibilities (Vice-Chairs)
- We approved domain coordinators
- We outreached to other organisations
- We communicated as much as we could
Revision of Recommendation 14:
Authentication of Trade Documents by Means Other than Signature

- No revision since 1979
- Remove signatures where possible
- Part I: Recommendation
- Part II: Guidelines to Implement the Recommendation
- Annex A Legally enabling environment
- Annex B Technical implementations

Project Lead: Dr. Lance Thompson
Creation of new Recommendation 36: Single Window Interoperability

- Recommendation and guidelines on requirements for Single Window Interoperability
- Supplements Recommendations 33, 34 and 35 in suite of Single Window Recommendations
- Mechanism required for the interconnectivity of two or more Single Window facilities
- Guidelines on Single Windows Interoperability
- Case Repository for Single Window Interoperability

Project Lead: Rémy Marchand

Creation of new Recommendation: Approaches for Public and Private Sector Consultation

- Recommendation on approaches for consultation between public and private entities within the area of trade
- Intra-governmental co-ordination
- Transparency and consultation discussed at WTO negotiations
- Assess if an update of recommendation 4 “National Trade Facilitation Bodies” is needed
- Case study repository

Project Lead: Johan Pontén
Study for new Recommendation: Public-Private-Partnership for Trade Facilitation

- Creating the required background material for a UNECE recommendation
- Information gathering
- Identify cases when PPP makes sense
- Research existing texts to see if a UN/CEFACT project could bring added value
- Identify recommended practices which could provide guidance

- Project co-Leader: Dr. Lance THOMPSON
- Project co-Leader: Malcolm McKINNON

Severe lack of resources

Project: Cargo Tracing and Tracking

- Create Business Process Models and Business class diagrams for documenting business scenarios and business transactions involved in tracing and tracking cargo in the international logistics chain
- produce implementation guidelines of existing standard messages and/or define requirements for new XML messages
- provide seamless cargo tracking information to all logistics partners

- Project Lead: K. R. Ahn

Development of paper for Common Framework for Freight Information Exchange
- Contributes to UN/CCL and UN/EDIFACT
- Provides input to ITPD, T&L and Sectoral PDA
- Also part of Regulatory PDA
Agenda

The Supply Chain Programme Development Area

• Status of Projects
• Liaison with ISO TC68
• Development of a Strategic Plan

Supply Chain PDA Report

5-7 June 2013
Palais des Nations, Geneva

PDA Structure

Domains
• Supply Chain Management
• Procurement
• Accounting & Audit
• Finance/Payments
• Government

Supply Chain PDA

Vice Chairs
Mike Doran
Tim McGrath

5-7 June 2013
Palais des Nations, Geneva
Bureau Vice Chairs: Mike Doran & Tim McGrath

Domain Coordinators:
- Supply Chain Management: Karina Duvinger & Edmund Gray
- Procurement: Bernard Longhi
- Finance & Payments: Liliana Fratini Passi
- Government: Didier Hardy
- Accounting & Audit: Benoit Marchal & Eric Cohen

STATUS OF PROJECTS
PROJECTS
Based on the Core Component Technical Specification and Naming & Design Rules v 3.0

PROCUREMENT
• eTendering ebXML Standards Project
• Contract Financial Execution Management Project

SUPPLY CHAIN MANAGEMENT
• Cross Industry Invoice Project

Drafts completed, validated and submitted to the UN/CEFACT Bureau for Public Review (60 days)

Note: The Core Component Library based on CCTS & NDRv3 submitted to the Bureau will be published also for Public Review with the project deliverables

5-7 June 2013 Palais des Nations, Geneva

ONGOING PROJECTS

GOVERNMENT
• Legal Notification Publication Project due for completion in 2014

ACCOUNTING & AUDIT
• Lexical Nomenclature – Gathering Requirements

5-7 June 2013 Palais des Nations, Geneva
POTENTIAL NEW PROJECTS

SUPPLY CHAIN MANAGEMENT (following publication of CCLv3 deliverables)

- Cross Industry Ordering
- Cross Industry Delivery

FINANCE & PAYMENTS

- Purchase Order Finance (proposal to be developed)

5-7 June 2013
Palais des Nations, Geneva

LIAISON WITH ISO TC 68 – Financial Services

Liaison has been formally established with ISO TC 68.

This will facilitate cooperation between UN/CEFACT and ISO TC 68, in particular, providing opportunities to avoid duplication of effort. This development is expected to have a significant impact on finance and payments domain issues to be taken up within the Supply Chain PDA.
Developing Strategic Plan

The International Trade Transaction Process consists of integrated & coordinated flows of information, goods & payments.

Source: UN/CEFACT International Supply Chain Reference Model

5-7 June 2013
Palais des Nations, Geneva
Projects require

RESOURCES
Bureau Vice Chairs: Tahseen A Khan & Mats Wicktor

Domain Coordinators:

- Environment Management: (vacant)
- Customs: S P Sahu
- Government: Didier Hardy

- Harmonization of classification of chemical products and hazardous materials
- Envisaged Project: Waste management
Information sharing with WCO on:
- Warehousing
- Free Zones
- Advance Cargo Filing
- Endangered Species (CITES)

Envisaged project: Pilot project for Cross border paperless trade in South Asia in association with other international institutions.

eProcurement (hosted under Supply Chain PDA)

Proposed projects:
(i) Standards for mutual recognition of foreign CAs;
(ii) Standards for time stamping services;
(iii) Standards for long term archival of digitally preserved documents;
(iv) Standards for secure trade transactions through mobile;
(v) Standards for digital passport/visa
Sectoral Programme Development Area

Bruno Prepin, Vice Chair
Harm Jan van Burg, Vice Chair

Palais des Nations
Geneva – 5-7 June 2013

PDA Sectoral: Agriculture
Bruno PREPIN Vice Chair

Palais des Nations
Geneva – 5-7 June 2013
DOMAINS DESCRIPTION:

- Plant & animal production
- Animal feeding
- Fresh fruits and vegetables, flowers,
- Dairy industry, meat processing industry,
- Fish, shellfish, sea plant products
UN Economic Commission for Europe

Objective of standards

- Tracking and tracing of agri-food products
- Basic requirement for food safety
- Phytosanitary issues
- Veterinarian issues

Scope

ANIMAL
- Cattle Registration Information Exchange (CRIE) (CCL 10A)
- Fish Traceability (dispatch advice) (CCL10A)
- Electronic data Interchange of fisheries catch data (in progress)
- Animal Traceability (start)

CROPS
- Crop Data Sheet (eDAPLOS) (CCL08A)
- Agronomical Observations Report (CCL11A)

eCertification
- eCert Message (CCL08A)
- Implementation Guide
- eCert electronic signature (in progress)

TRANSVERSE
- Electronic Data Exchange Proxy (CCL10A)
- Electronic Data Interchange for laboratory analysis in agricultural and agrifood fields (CCL12B)
- Rapid Alert System for Food and Feed (RASFF) Notification Exchange (expected in CCL13B)
- e-CERT
- e-DAPLOS
- Electronic animal passport
- Electronic data exchange PROXY
- Agronomical Observations Report
- e-Laboratory observation report message

To be maintained

- Rapid Alert System for Feed and Food (RASFF)
- Electronic data Interchange of fisheries catch data
- Animal traceability data exchange
Invoicing fresh fruits and vegetables and cutflowers (e-trade auction)
Agri product and processing information at farm
Animal identification
Animal production
eFood Chain
Traceability of fresh fruits and vegetables
Cereals
Milking and dairy information

PDA Sectoral: Insurance, Travel & Tourism, Utilities
Harm Jan van Burg, Vice Chair

Palais des Nations
Geneva – 5-7 June 2013
Progress since last Plenary

- **New Projects**
  - Submission of Core Components for Commercial Insurance
  - Submission of Core Components for Property Claims Handling
  - Core Components and models of building blocks for Health Insurance in the field of reimbursement of claims

### New Projects

**Submission of Core Components for Commercial Insurance**

- **Project Purpose**
  The project's purpose is to prepare a submission of CCs for Commercial Insurance to the UN/CEFACT Core Component Library.

- **Project Scope**
  Over the last few years the insurance domain in UN/CEFACT has developed a complete set of core components for the administration of contracts. The focus was on private property and casualty insurance and on motor insurance for private vehicles and commercial fleets. Now the insurance domain will extend its development to commercial risks in property and casualty insurance.
New Projects

Submission of Core Components for Property Claims Handling

Project Purpose
The project's purpose is to prepare a submission of CCs for the handling of property claims to the UN/CEFACT Core Component Library.

Project Scope
Over the last few years the insurance domain in UN/CEFACT has developed a complete set of core components for the handling of motor claims. Now the insurance domain will extend its development to the handling of property claims.

New Projects

“Core components and models of building blocks for health insurance in the field of reimbursement of claims”

Project Purpose
The Project Purpose is to define CC's for health insurance in the field of reimbursement of claims with the objectives to enable or facilitate cross border exchange of information in between providers and health insurers.

Project Scope
Over the last few years the insurance domain in UN/CEFACT has developed a set of core components in the field of health insurance. Now the insurance domain will extend its development to the handling of reimbursement of claims as done in health insurance.
1. SLH (Small scaled Lodging House) Reservation Information Process

1) The harmonization of UN/CEFACT for BIEs and related CCs has just finished in Sept 2012
2) Based on this, RSM document will be provided.

2. New Project

Destination Travel Information Process (DTI Process) is approved and is running under project management of the Korean Travel Group.

3. SLH Trial Project in AFACT Region

Now that the standardization process of SLH has almost completed in UN/CEFACT, AFACT TT&L (Travel, Tourism and Leisure) WG has decided to proceed the trial project utilizing the SLH related messages within AFACT region.

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- Domain is new since latest UN/CEFACT Plenary
- Subject: administrative/commercial information regarding distribution through a physical grid (electricity, gas, water, sewerage etc.)
- Alignment between IEC and UN/CEFACT regarding Core Components:
  - A discussion with IEC has started to try to come to alignment with IEC for UN/CEFACT Core Components and the Core Components as developed recently by IEC; with a focus on semantics
  - Remains to be seen what can done about parallel technical specifications (such as CCTS, NDR)
• 2 projects:
  – Alignment of Master Data for Metering Point and of Measured Data in the deregulated Energy Market
  – Reutilization of Data from Utility Management Systems (status: provisionally approved, supported by Japan)
• Approved Projects

• Proposed Projects

• Informal Notes drafted

• Strategic document drafted

19th UN/CEFACT Plenary, Geneva

Approved Projects

• Active:
  – Procedure for CCTS 3 & NDR 3 artefacts Publication
  – Open Data Interchange Framework

• Exited:
  – Core Components Business Document Assembly
  – BRS Documentation Template and RSM Documentation Template Guidelines

• Suspended
  – UN/CEFACT Context Methodology
  – Business Document Header and Envelope

19th UN/CEFACT Plenary, Geneva
Proposed Projects

• Recommendation for ensuring legally significant trusted trans-boundary electronic interaction

• Registration of semantic assets

• NDR 2.0 maintenance

• CDT 3.1 maintenance

19th UN/CEFACT Plenary, Geneva

Informal Notes

• Procedures for maintenance of UN/EDIFACT

• Rules For Presentation of Standardized Message And Directories Documentation (R.1023)

• Framework for Digital Signature interoperability

19th UN/CEFACT Plenary, Geneva
Plenary Decision 12-10
The Plenary took note of the Bureau’s Explanatory Note on Draft Recommendation 37.

Plenary Decision 12-11
That the process would continue under the direction of the Bureau Vice-Chair responsible for Methodology and Technology
• to initiate work to establish a framework for the ongoing governance of digital signature interoperability in coordination with the United Nations Commission on International Trade Law (UNCITRAL), ISO and other relevant organizations;
• to request that the structure of this framework be established by November 2012, and
• to include in the structure a plan that will enable Draft Recommendation 37 to be put before the Plenary for intersessional approval.

“A PROPOSED FRAMEWORK FOR THE GOVERNANCE OF DIGITAL SIGNATURE INTEROPERABILITY STANDARDS AND RECOMMENDATIONS”

<table>
<thead>
<tr>
<th>Area</th>
<th>Responds to the question</th>
<th>Proposed Agency Responsible</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legal</td>
<td>Is this enforceable in law? Does the signed digital data and the electronic signature meet the legal requirements?</td>
<td>UNCITRAL</td>
<td>UN Electronic Communications Convention; Model Law on Electronic Signatures</td>
</tr>
<tr>
<td>Business Requirements</td>
<td>Is this data acceptable to my business operations?</td>
<td>UNECE</td>
<td>UNECE Rec 14</td>
</tr>
<tr>
<td>- Process</td>
<td>Is this a valid business relationship?</td>
<td>UNECE</td>
<td>Business Document Header</td>
</tr>
<tr>
<td>- Semantics</td>
<td>Is the content consistent with my understanding?</td>
<td>UNECE</td>
<td>UNTDED</td>
</tr>
<tr>
<td>Technical</td>
<td>Is this data acceptable to my information system?</td>
<td>ISO and ETSI</td>
<td>ISO 14533-1 and 14533-2, XAdES, CAdES, PAdES</td>
</tr>
</tbody>
</table>

19th UN/CEFACT Plenary, Geneva
Interoperability layers

- Political Context
- Legal Interoperability
- Legislative Alignment
- Organizational interoperability
- Organization/Process Alignment
- Semantic Interoperability
- Semantic Alignment
- Technical Interoperability
- Interaction & Transport

Digital Signature Framework

- Trade Agreements
- International Laws
- WTO/UN directives
- Trade recommendations
- Business processes
- Information Requirements
- Structures for Exchanges
- Syntax Expressions
- Infrastructures

UNCITRAL govern these
UN/CEFACT govern these
ISO/IEC govern these

UN/CEFACT activities for enabling trust in International Trade

Revised Recommendation 14:
"Authentication of Trade Documents by means other than Signature"
1. Removal of the requirement for a signature except where essential for the document.
2. Introduction of other methods to authenticate documents, incorporating
   - Use of Digital Signatures for trade documents.
3. Creation of a legal framework that permits and gives equal status to authentication.

Appendices:
- Legal framework checklist
- Functional checklist
- Examples of solutions

Proposed new Recommendation for:
"enabling interoperability between electronic data exchange systems in domestic and cross border trade"
1. Recommendation on establishing trust in the reliability, traceability and integrity between the various electronic data exchange systems (such as message handling systems) that may be used to exchange the data.
2. Guidelines for enabling interoperability to enable trust when exchanging electronic trade documents across different trans-boundary scenarios.

Material that was the basis of draft Recommendation 37 becomes an example of a solution for authentication by means other than signature.
UN Economic Commission for Europe

Drafting on Strategic Topics

Integrated Strategy Activities:

- Activity 1.3: Monitor technological and methodological developments
- Activity 1.4: Ensure the technical quality of recommendations, standards and technical specifications

1. A Proposed Enhanced Technical Framework for UN/CEFACT Deliverables
   - Commenced at 18th Forum
   - Workshops and presentations at 19th and 20th Forum
   - Face-to-Face meeting
   - Latest draft published October 2012

   - Latest draft published January 2013

Bureau has not reached consensus on these
19th UN/CEFACT Plenary, Geneva

Standardize on semantics not syntax or formats
- UN/CEFACT ‘core’ semantics establish basis for interoperability

Communities of use create their own implementations
- Process, components, structures, documents and syntax
- Statement of conformance
- Registry of conformant specifications published by UN/CEFACT

UN/CEFACT is a facilitator of interoperability between communities
• UN/CEFACT projects would develop...
  – Profiles for eBusiness processes
    • Business requirements, rules and semantics
    • Published as Deliverables for Information
      • Plenary may approve as standards
  • Communities would develop ...
  – Specifications based on Profiles for eBusiness
    • e.g. Single Windows, Public Procurement, Finance, regional, industry, etc...

Bureau Programme Support

Library Maintenance - Peter Amstutz, Vice Chair

Communication - Pier Alberto Cucino, Vice Chair

Liaison - Harm Jan van Burg, Vice Chair

19th Session of the UN/CEFACT Plenary,
Palais des Nations, 5-7 June 2013
Library Maintenance

Peter Amstutz, Vice Chair

19th Session of the UN/CEFACT Plenary,
Palais des Nations, 5-7 June 2013

Library Maintenance Coordinators

EDIFACT: Gait Boxman
CCLs: Chris Hassler, Mary Kay Blantz
Schema: Jostein Fromyr
Code Lists: Various
Validation: Hidekazu Enjo
UN/EDIFACT Directory

- Versions D.12A and D.12B
  - Validated and Published
  - For noting under Agenda Item 4

- Version D.13A
  - DMRs resolved
  - Validation in progress

UN/CEFACT Core Component Library (CCL) based on Core Components Technical Specification (CCTS) version 2.01

- Version D.11B containing
  - Accounting Entry
  - Agriculture – Agronomical Observation Reporting

- Version D.12A containing
  - SDMX (Statistical Data and Metadata Exchange)

- Version D.12B containing
  - Travel Reservations
  - Agriculture
    - Florecom data for the Cross Industry Invoice
    - Electronic Laboratory Observation Reporting
XML Schema Library

- Version D.11A schema containing
  - Accounting Bundle Collection
  - Accounting Trial Balance
- Version D.11B schema containing
  - Accounting Entry
  - Agriculture – Agronomical Observation reporting
- Version D.12B and schema containing
  - Travel Reservations
  - Florecom data for the Cross Industry Invoice
  - Electronic Laboratory Observation reporting

Work in Progress

- Development of CCL D.13A
  - Harmonized Submissions including:
    - Travel
    - Accounting
    - Transboundary Movement of Waste
    - Short Sea
  - Currently Harmonizing
    - Rapid Alert System for Feed and Food
- Development and refinement of procedures
  - Updating procedures to automate as much as possible the production of the library and schema
Work in Progress

• Development of CCL based on CCTS 3.0
  • Core Component submissions harmonized and validated
  • Business Information Entities (BIEs) and XML Schemas for project submissions ready for public review from:
    – Cross Industry Invoice
    – eTendering
    – Contract Financial Execution Management

• Completed development of draft procedures for harmonization, production, and validation of CCTS 3.0 – based libraries and schema

Communication

Pier Alberto Cucino
Bureau Vice Chair for Communications

Palais des Nations
Geneva – 5-7 June 2013
2012-2013 achievements

- Website development
- Online Forum
- 25 Bureau Communications to HODs including specific updates on New Projects, UNLOCODE, EDIFACT
- 7 Bureau Communication to UNCEFACT Experts
- 6 videos on UNCEFACT Success Stories and projects approved by the Bureau:
- 5 Forum press releases
- UNCEFACT involvement in UNECE Outreach Initiative: 5 UNCEFACT expert opinions selected so far, one published (Tim McGrath November 2012, "what trust is in these times"), on the UNECE homepage www.unece.org

Latest developments

- New UNCEFACT Communication Strategy
- Bureau focused on implementing new related communication plan
Communication activities

IMPLEMENTATION OF THE NEW COMMUNICATION STRATEGY AND RELATED 2013-2014 PLAN, INCLUDING:

• Compliance with UNECE new Communication Strategy and further involvement of UNCEFACT experts in the new UNECE OUTREACH Initiative
• Communication activities to involve new Countries and experts in UNCEFACT work
• Continuous update of the website www.uncefact.org

Communication activities (cont.)

• Editing of the new videos on success stories and projects to be uploaded to www.uncefact.org
• Production of the “UNCEFACT Forums Visual Story”
  Further enhancement of communication with HODs and UNCEFACT members
• Possible development of other communication tools for UNCEFACT promotion: newsletter, social networks, etc.
Liaison - Harm Jan van Burg, Vice Chair

- UNECE, 76 Liaisons with ISO alone (many in Transport sector)
- Liaison policy document in progress
- New liason with ISO TC 68
- New MOU and Liaison with ETSI
• New liaisons planned with IEC TC 57, ISO/IEC JTC 1 SC 32 and CEN

Activities
Review MOU on E business (ISO, IEC, ITU and UNECE) with regard to annex A (division of responsibilities)