



United Nations Economic Commission for Europe  
United Nations Centre for Trade Facilitation and Electronic Business

**UN/CEFACT**

# **Framework of Business Standards and Overview of Current Projects**

***Chris Hassler***  
***TBG Vice Chair***

**30 August – 3 September 2010**  
**UN/CEFACT Forum**  
**International Conference Centre, Geneva**



- **Framework for Business Standards**
  - Business Requirements Specification (BRS)
  - Requirements Specification Mapping (RSM)
- **Overview of TBG Domain Groups**
- **Summary of Projects**



- **Purpose**
  - Documents the business requirements and processes
  - Uses language familiar to business users
  - Serves as the foundation for a business standards project
  - Developed in cooperation between business users and technical experts
- **Tied to UN/CEFACT Modelling Methodology (UMM) version 2.0**



- **Purpose**

- Provides the details of the technical solution desired
- Provides the clear mapping of the requirements to the technical solution
- Uses Core Components Technical Specification (CCTS) to describe the data elements
- Intended for a more technical audience.



- 16 International Trade and Business Groups (TBGs)
  - 3 TBGs are support in nature
    - TBG14 – Business Process Analysis
    - TBG16 – Entry Point
    - TBG17 - Harmonization
  - 1 TBG (TBG15) Deals with Trade Recommendations
  - 1 TBG (TBG10 – Healthcare) Inactive
- 11 Active TBG Domain Groups



- TBG1 – Supply Chain
- TBG3 – Transport
- TBG4 – Customs (World Customs Organization)
- TBG5 – Finance
- TBG6 – Architecture, Engineering, and Construction
- TBG8 – Insurance
- TBG9 – Travel and Tourism
- TBG12 – Accounting and Audit
- TBG13 – Environment
- TBG18 – Agriculture
- TBG19 – Electronic Government



| Project Name                     | Project Description   | Current Status |
|----------------------------------|---|----------------|
| Cross Industry Invoice           | To create a broadly scoped invoice usable by many industries.                                     | Maintenance    |
| Cross Industry Catalogue         | To create catalogue meta data that can be used by many industries.                                | In development |
| Material Data Safety Sheet       | Provide a way to document the details of a material and its possible harmful affects.             | Maintenance    |
| Cross Industry Remittance Advice | To provide the meta data for information about payment details that is usable by many industries. | In development |



| Project Name                | Project Description   | Current Status |
|-----------------------------|---|----------------|
| Cross Industry Ordering     | To create the meta data for an ordering/procurement process that is usable by many industries.                      | In development |
| Cross Industry Scheduling   | To create the meta data for requests for delivery and the scheduling of the arrival of materials in a supply chain. | In development |
| Cross Industry Delivery     | To create the meta data for defining the delivery terms and details that is usable by many industries.              | In development |
| Cross Industry Order Status | To create the meta data for determining the status of an order usable by many industries.                           | In development |





| <b>Project Name</b>   | <b>Project Description</b>  | <b>Current Status</b> |
|---|---|-----------------------|
| Market Research Information   | To provide the meta data for market research, to allow that information to be transmitted between relevant parties. | In development        |
| Cross Industry Quotation  | To provide the meta data for establishing the pricing of various products and services, usable in many industries.  | In development        |
| Globally Harmonized System of Classification and Labelling of Chemicals (GHS) | To establish the meta data regarding the labelling chemicals in order to facilitate international trade.            | In development        |
| Supply Chain Process – Common Requirements                                    | To manage the requirements and data structures that are common to most processes in the Supply Chain.               | Maintenance           |



| <b>Project Name</b>                 | <b>Project Description</b>   | <b>Current Status</b> |
|-------------------------------------|--|-----------------------|
| Transport Business Process Modeling | To provide a high level modeling of the business process of transport  | In development        |
| Transport Core Components           | To provide the data elements necessary to support transport business processes for inclusion in the Core Component Library | Maintenance           |
| Dangerous Goods Declaration         | To provide the information necessary to declare dangerous goods throughout the transport process                           | Project initiation    |
| Transport Instruction               | To provide the detailed instructions from the buyer of transport services to the seller of those services                  | Project initiation    |



| <b>Project Name</b>        | <b>Project Description</b>  | <b>Current Status</b> |
|----------------------------|---|-----------------------|
| Transport Status Reporting | To provide the detailed information necessary for the provider of transport services to inform the buyer of such services of the current status of a transport.               | Project initiation    |
| Transport Waybill          | To provide the detailed meta data necessary for the description of the transport contract in the form of a Bill of Lading, Sea Waybill, Air Waybill, or any similar document. | Project initiation    |



United Nations Economic Commission for Europe  
United Nations Centre for Trade Facilitation and Electronic Business

**UN/CEFACT**

Projects: TBG4 –  
Customs

- No active projects
- Ongoing effort to keep add data elements from the WCO data model to the UN/CEFACT Core Component Library



United Nations Economic Commission for Europe  
United Nations Centre for Trade Facilitation and Electronic Business

**UN/CEFACT**

Projects: TBG5 –  
Finance

- No active projects
- Ongoing effort to keep UN/CEFACT Business Standards in sync with ISO 20022



| <b>Project Name</b>                              | <b>Project Description</b>  | <b>Current Status</b> |
|--|---|-----------------------|
| eTendering                                       | To provide the data structure and messages to allow electronic bidding and acceptance for large projects.                               | Maintenance           |
| Project Schedule and Cost Performance Management | To provide the data structures and messages to allow the monitoring of large projects using earned value metrics and detailed schedules | Maintenance           |
| Contract Financial Execution Management          | To provide the data structures and messages for monitoring the payment details on a contract.   | In development        |
| Security for XML Documents and Messages          | To provide recommendations and structures to help ensure the security of XML communications   | In development        |



United Nations Economic Commission for Europe  
United Nations Centre for Trade Facilitation and Electronic Business

**UN/CEFACT**

**Projects: TBG8 – Insurance**

| <b>Project Name</b>                           | <b>Project Description</b>   | <b>Current Status</b> |
|---|--|-----------------------|
| Insurance Data Dictionary and Core Components | To take existing industry data elements and incorporate them into the UN/CEFACT Core Component Library | In development        |



| <b>Project Name</b>                                | <b>Project Description</b>   | <b>Current Status</b> |
|--|--|-----------------------|
| Small Scaled Lodging House Information             | To provide the data elements and messages to identify the facilities and services available for small scale lodging houses     | Maintenance           |
| Small Scaled Lodging House Travel Product          | To provide the data elements and messages to identify bundles of available services in products for small scale lodging houses | Maintenance           |
| Small Scaled Lodging House Reservation Information | To provide the data elements and messages to model the reservation process for small scale lodging houses.                     | Project initiation    |





| <b>Project Name</b>      | <b>Project Description</b>   | <b>Current Status</b> |
|--------------------------|--|-----------------------|
| Accounting Token         | To provide the basic information necessary to link a transaction to an accounting entry  | Maintenance           |
| Accounting Entry         | To provide the data elements and messages necessary to make accounting entries           | Maintenance           |
| Accounting Ledger        | To provide the data elements and messages necessary to support an accounting ledger      | Maintenance           |
| Accounting Trial Balance | To provide the data elements and messages necessary to support accounting trial balances | In development        |



| <b>Project Name</b>          | <b>Project Description</b>   | <b>Current Status</b> |
|------------------------------|--|-----------------------|
| Accounting Chart of Accounts | To provide the data elements and messages necessary to support an accounting chart of accounts   | Maintenance           |
| Accounting Reporting         | To provide the data elements and messages necessary to support reporting for accounting and audit purposes   | Maintenance           |
| Accounting Message           | To provide a standard accounting message needed for transmission of accounting elements, such as journal, ledger, trial balance, reporting, accounts chart, required for bookkeeping, accounting and auditing practices. | Maintenance           |
| Accounting Journal           | To provide the data elements and messages necessary to support accounting journals   | In development        |



| <b>Project Name</b>          | <b>Project Description</b>   | <b>Current Status</b> |
|------------------------------|--|-----------------------|
| Accounting Bundle Collection | To provide a standard bundle collection to archive the collection of documents that support accounting transactions along with accounting books.   | In development        |
| Lexical Nomenclature         | To provide a standard message needed for bookkeepers, accountants, auditors, statistics and regulatory bodies and financial analysts to upload, download or transmit national or international lexical nomenclature used to fulfill administrative or private requirements and disclosure obligations such as, inter alia, financial statements, statistics. | Maintenance           |



United Nations Economic Commission for Europe  
United Nations Centre for Trade Facilitation and Electronic Business

**UN/CEFACT**

**Projects: TBG13 –  
Environment**

| <b>Project Name</b>   | <b>Project Description</b>   | <b>Current Status</b> |
|---|--|-----------------------|
| EDI Standards for Environmentally Controlled Substances (ECS) in Import/Export Transactions | To provide the data elements and messages necessary to provide for the transport of environmentally controlled substances across national borders in support of the Basel Convention | Maintenance           |



| Project Name  | Project Description  | Current Status |
|---|--|----------------|
| eCert - XML for Sanitary & Phytosanitary Certificates | To provide a standard framework for the exchange of information for traded agricultural products between government regulators involved in cross border trade, where export certification is required to facilitate the entry of product into a country. | Maintenance    |
| eDAPLOS   | To provide an XML analogue to the existing UN/EDIFACT DAPLOS message.  | Maintenance    |
| Cattle Registration Information Exchange              | To harmonize the data items in use by farmers and their partners for cattle breeding, raising and fattening and dairy farming and for the dairy and meat industry.   | In development |



| <b>Project Name</b>            | <b>Project Description</b>  | <b>Current Status</b> |
|--------------------------------|---|-----------------------|
| Electronic Data Exchange Proxy | To create Business Process Models and Business Class Diagrams for documenting the business scenarios and business transactions involved in the authorization given by an agricultural party to one or more parties to allow for the exchange of data on their behalf. | Maintenance           |
| Livestock Life Record          | To exchange information from one party to another party about the history of the traditional and untraditional livestock.   | In development        |



| <b>Project Name</b>                      | <b>Project Description</b>  | <b>Current Status</b> |
|--|---|-----------------------|
| eArchiving - Transfer of digital records | To define a transfer process and a data package that may be used by all records systems in all organizations when transferring records between records systems. | Maintenance           |
| Public Electronic Procurement            | To provide the data elements and messages necessary for public entities to procure products and services electronically.  | Project initiation    |



United Nations Economic Commission for Europe  
United Nations Centre for Trade Facilitation and Electronic Business

**UN/CEFACT**

Questions?