

# Research and Background Collateral UN/CEFACT 1987-2018

## UNCEFACT Realisation

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## UN/CEAFCT

The body of knowledge available through the numerous guidelines, recommendations, code-lists, repositories addressing both process and data definitions, and domain-specific business requirements specifications represents at the semantic technology neutral level of an overall framework promoting trade facilitation.

- **Digitisation Document Centric 1987-2002** ✓

- [UN/Layout Key](#)
- EDI

- **USA ANSI-X12**

- In 1987, following the convergence of UN and US/ANSI syntax proposals, the UN/EDIFACT Syntax Rules were approved as the ISO Standard ISO 9735 by the International Organization for Standardization

- **Transition Document TO Process Centric 2002** ✓

- EDIFICS Research & IP ✓

- [Model-Based eBusiness \(.pdf\)](#)
- [eBusiness Collaboration Modeling - Metamodel \(.pdf\)](#)
- [eBusiness Collaboration Design - Patterns \(.pdf\)](#)
- [eBusiness UML Style Guide \(.pdf\)](#)
- [eBusiness XML Document - Style Guide \(.pdf\)](#)

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- **UN/CEFACT** ✓

- **Business Collaboration Framework 2002** ✓

- [Session 1 \(.pdf\)](#)
- [Session 2\(.pdf\)](#)
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## UN/CEFACT's Business Collaboration Framework -

### Motivation and Basic Concepts

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### Abstract.

Although standards for B2B e-Commerce exist, business partners still need additional bilateral agreements and coding partner-specific adaptations of their applications. Most research is conducted in the area of IT-solutions to interconnect the systems. Less activities are directed towards a shared business logic that allows business servers to collaborate. UN/CEFACT's business collaboration framework (BCF), which is presented in this paper, addresses this point. Instead of connecting two independent systems, it considers a B2B relationship to be a single system with interface on each partner's end. The goal of this paper is to motivate the need for the BCF and to give a basic introduction into the methodology used in BCF.

## • Standards Development 2002-2009 ✓

- Methodology ✓
  - UMM ✓
    - [UMM Meta Model – Foundation Module\(.pdf\)](#)
    - [ISCRM - ISCM Process Model - BSP 2010 A \(.eap\)](#)
  - CCTS ✓
    - [CCL - UN/CEFACT – Core Components User's Guide \(.pdf\)](#)
- GEFEG Tool ✓
  - Digitalized UN/Layout Key (UNeDOCS) ✓
- Buy-Pay 2008 ✓
  - [BRS Buy-Pay 2008 set](#)
  - [RSM Buy-Pay 2008 set](#)
- RDM Buy Ship Pay 2016 - ongoing

## • Profile 2002-2018 ✓

- 2002-2008 Process & Data Focus ✓
- 2009-2015 Document Focus ✓
- Renewed Secretariat & Bureau 2016 ✓
- 2016 Ongoing Process & Data Focus ✓
  - Baseline existing deliverables - [BRS RSM EDI Reconciliation \(.xlsx\)](#) ✓

## • PDA Standards Development 2016-2020

- Harmonisation
  - Bureau & Secretariat - [Bureau presentation - PDA Harmonisation \(.pdf\)](#)
  - Trade Facilitation - [Canonical Model - Project proposal \(.docx\)](#)
- Reference Data models

- The UN/CEFACT Reference Data Model concept was first conceived circa 2005 when UN/CEFACT was addressing the UNECE request to digitise the 40 year old paperbased UN/Layout Key trade documents.
- UN/CEFACT at the 28th. Forum held in Bangkok Q4/2016, officially launched Reference Data models covering BUY-SHIP-PAY.

- [Reference Data Models](#) (.pptx)
  - RDM Concept 2016 ✓
    - SCRDM Public Release ✓
    - BRS High-Level Buy-Pay ✓
    - RSM High-level Buy-Pay ✓
  - SCRDM 2017
    - BRS SCRDM 2017
    - RSM SCRDM 2017
  - MMTDRM 2017
    - MMTRDM Public Release
    - BRS High-Level Ship
    - RSM High-Level Ship
    - BRS MMTRDM
    - RMS MMTRDM
  - Pipeline Initiatives
    - [CORE](#)
    - EU UK/Futch Customs ✓
      - [Weaknesses in the supply chain: who packed the box? - David Hesketh](#) (.pdf)
      - [The Pipeline Interface: The results of joint Trade - Frank Heijmann / David Hesketh](#) (.pdf)
- **Standart Deployment**
    - [TFIG.UNECE](#) ✓
    - UNECE Standards Usage Survey

## Drivers of Change

- WTO TFA
- Global
  - UCC ✓
- BlockChain Trust
- Sensors Track & Trace
- National
  - Australia
    - [Customs TTP](#) (.pdf) ✓
    - [AustRoads](#) (.pdf) ✓
  - DFAT AU HoD ✓
  - UK BREXIT

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