ISO TC154

Process, data elements and documents in commerce, industry and administration

2023 AFACT Mid Term meeting
Kyoto, Japan

TC154 Active working groups

JWG 1: Joint Syntax Working Group

WG 4: Standardized Document   Disbanded

WG 5: Date and Time

WG 6: Trusted e-Communication

WG 7: Digital Business

JWG 8: Logistics Data Contents and Process   Disbanded
  ➔ Will be restarted based on the new UNECE/TC154 ToR

JWG 1: Joint Syntax Working Group

JWG 1 is a joint WG with UNECE and is in charge of maintenance of EDIFACT syntax.

➢ In 2022, the ISO9735-10 (EDIFACT service code) and ISO9735-11 (EDIFACT V4 added compatibility with V3) projects were completed with the IS published.

➢ There are no projects currently active, and we are considering whether to start an introduction guide creation project for EDIFACT V4.

➢ EDIFACT is used all over the world as an EDI international standard, and it is recognized that it is necessary to continue to maintain the code and syntax in the future.

WG4: Standardized Document

WG4 is in charge of document standards such as the UN Layout Key and its electronic version.

➢ The only project in this WG: work on the Metamodel Standard for Electronic Documents (WG36100) has been suspended and the project was automatically canceled due to schedule delays.

➢ As the WG4 project no longer exists, the dissolution of the WG was discussed and passed in a TC Resolution.

WG 5: Date and Time

WG 5 is in charge of standardizing the notation of date and time.

➤ The date and time standard ISO 8601-1 Amendment, which primarily corrects editorial errors, was voted on 4 October 2022.

➤ Calendar notation and date and time notation are added to ISO 8601-2 (Extensions). CD voting in progress (deadline August 2023).

➤ Specific date and time definitions are specified in ISO 8601, but we are developing concepts and terms that supplement them (ISO 34000 series).
The following are being considered for the ISO 34000 series.
ISO 34000 Concept and Vocabulary: Under development
ISO 34100 Reference Timescales: Proposed
ISO 34200 Time zone: Planned
ISO 34300 Calendar System: Planned

WG 6: Trusted e-Communication (1)

WG 6 is in charge of standardization related to the reliability of electronic communication in electronic trading.

➢ ISO 14533-1: CAdES (CMS Advanced Electronic Signatures) A revised version of digital signatures in CMS (Cryptographic Message Syntax) format for advanced electronic signatures has been released.

➢ ISO 14533-3: PAdES (PDF Advanced Electronic Signature) Systematic evaluation of advanced electronic signature was conducted, and correction requests were issued from Japan/Korea. Deliberations will be held in the future.

WG6: Trusted e-Communication (2)

- ➢ JWG with ISO TC307, which is in charge of overall blockchain, regarding the project for guidelines for using blockchain as a communication platform for electronic documents (TR 19626 Trusted Communication Platform for e-Document Part 3: Blockchain based implementation guide) was proposed.

- ➢ The JWG establishment proposal was rejected in deliberations of the TC Resolution, and it was resolved to establish an ad-hoc group to examine how to collaborate with TC307. Ad-hoc group meetings started in June 2023. Analyzed the relationship between the TC154 and TC307 projects and examined the possibility of collaboration with TC307.
  Report a recommendation that considers the establishment of a JWG with TC307 by this September.

WG 7: Digital Business (1)

WG 7 is in charge of standardization to ensure interoperability in electronic business.

➢ Corporate Model for Electronic Business (ISO 5054 Enterprise Canonical Model)
  - DIS voting for ISO 5054-1 (Architecture) has been completed, and Visio files have been converted to PPT and submitted to CS (Central Secretariat) for publication.
  - Part 2: Application of ISO 15000-5　New Project
  - Part 3: Document content　Fast-Track by OAGi
  - Part 4: Platform content　　Fast-Track by OAGi
  - Part 5: XSD representation　　Fast-Track by OAGi
  - Part 6: JSON schema representation　　Fast-Track by OAGi

➢ The ebXML Registry and Repository (ISO 15000-3) project has completed DIS voting and is being edited for comments.

- ➢ Blockchain-based smart contract project (ISO/PWI 16320-1: Smart contract-based B2B electronic transaction execution and verification – part 1: reference model) started NP (New Project) voting (deadline August 1).

- ➢ Blockchain-based platform for cold chain food (ISO/TR 16340) was voted twice and submitted the edited results to CS.

- ➢ A new project for carbon data interoperability was proposed by China and registered as ISO/PWI 20191. The standard will be a multi-part standard starting from the framework of Part 1 and aims to standardize carbon data exchange for Carbon Neutral activities.

WG 7: Digital Business (3)

➢ The China-Proposed Guidelines on risk-based product quality data interchange in E-commerce has been proposed and registered as TR/PWI 20180.

➢ Technical requirements for blockchain implementation in industrial internet was proposed by China and registered as TR/PWI 20195.

➢ Digital trade - Basic concepts and key initiatives was proposed by China and registered as TR/PWI 20194.

JWG 8: Logistics Data Contents and Process

JWG 8 is a JWG (Joint Working Group) with UNECE, responsible for standardization of logistics data and processes.

➢ UNECE complained that the joint work was not properly managed, and after repeated exchanges of opinions between TC154 and UNECE, UNECE withdrew from this JWG in August 2022, and the JWG was dissolved. At the time of dissolution, the projects under JWG8 were as follows.
- · ISO 23355 Data Exchange between Logistic Information Service Provider
- · ISO 5909 Data interchange processes of blockchain based negotiable maritime bill of lading related to e-Commerce platform

➢ Signed Terms of Reference (ToR) for collaborative work between UNECE and TC154. In the near future, a new JWG will be established and the projects in charge will be reorganized.

TC Level Project

The following projects are being promoted as TC level projects.

➢ ISO 7273 (TDED: Trade Data Elements Dictionary) has not been updated since 2005 and its revision requirements are under discussion. Consideration is underway, including the formation of a new JWG.

➢ UNECE has proposed PASS to convert BSP (Buy-Ship-Pay) reference data model to IS. Discussing how to deal with the differences in IPR wording between ISO and UNECE.

➢ A two-dimensional coding project for trade documents has been registered as PWI 22132.

➢ At the request of TMB, TC 154 took over the standardization of used goods trade (ISO 20245).

TC154 Plenary in the year 2023

October 24th - 27th

Hong Kong, China