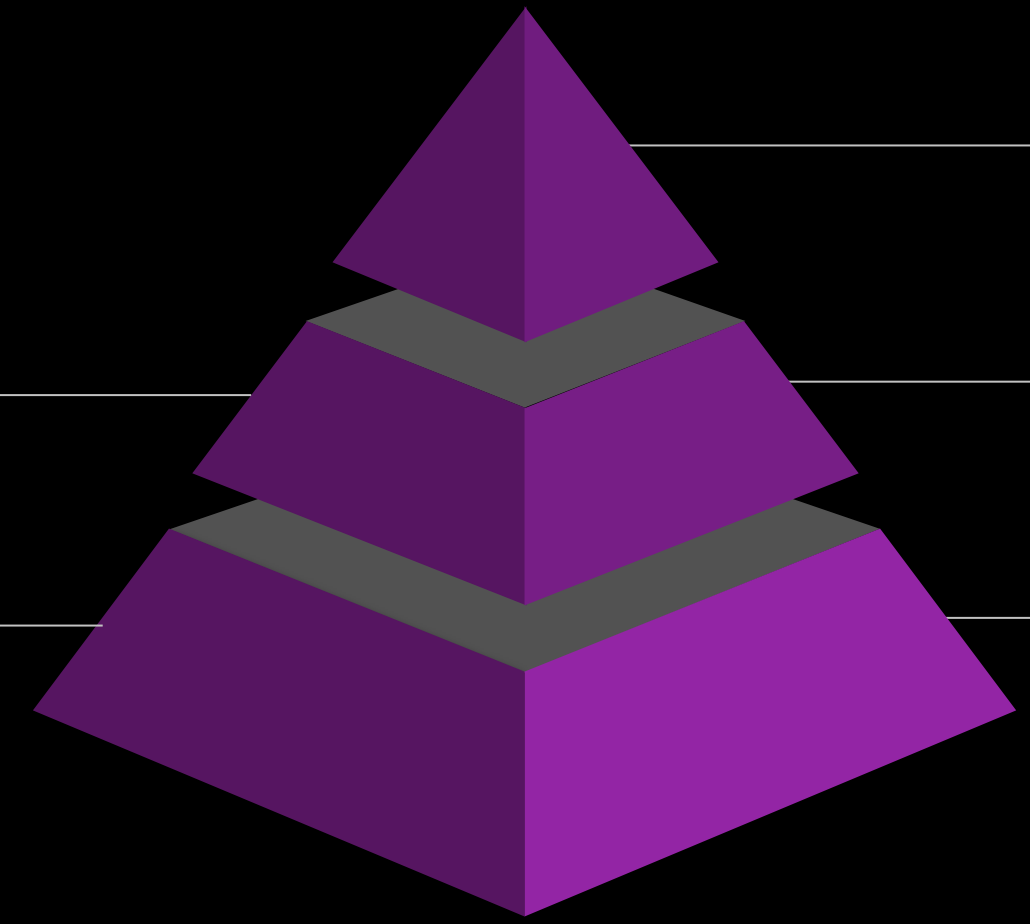
# Developing open standards, specifications, and technologies

## Dataspace standards: What's new on EDWG, ISI/IEC and CEN/CENELEC

SUPPORTED BY:

# What does the EDWG do?



Policy and Credential Profiles

Claims Protocols

Base Protocols

**This is you!**
Building advanced solutions based on a proven and up to date ecosystem

**Open Source for Dataspaces**
Provide a sound strategy for adoption of interoperability standards with OSS dataspace projects.

**Specification and standardisation**
Creation of dataspace specification protocols to be released and maintained at EF level, and standardised at ISO/IEC and CEN/CENELEC.

# 2026 Objectives

| 1. Grow Membership and Involvement | 2. Standardization impact | 3. Drive commercial adoption | 4. Connect the community |
|---|---|---|---|

1. **Grow in members for the WG** and projects through **active engagement** of existing members and the inclusion of new members based on the 2025 **prospecting plan** and with specific focus on **SMEs and adopters**.
2. Support the development of the **specification projects** within the WG assuring a continuous communication and coordination. Focus on the **transposition of standards** at EU and international level for the most mature projects (DSP and DCP) and the **release** of the projects still in incubation (CAP, DRP and XPS)
3. Promote the different **implementation projects** for dataspaces as an industry-grade solution to be adopted by leveraging on the EDWG **Branding and Compatibility Programs**. Align this program with the ecosystem branding together with the EDWG members.
4. Create a sound **outreach plan** to (1) promote the EDWG activities, helping achieving objective 1, (2) interact with other communities and WGs, (3) position as reference for dataspace standardization and (4) creating a pipeline of strong contributors.

# New activities! Data Spaces Support Centre (DSSC)

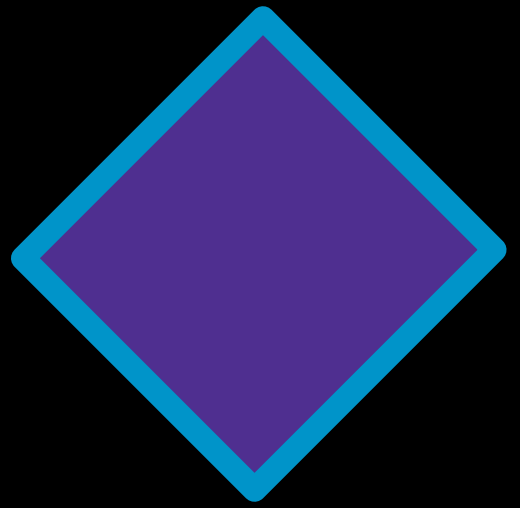
Partners in the EU project consortium and leaders of Open Technology Suppliers Forum task:

- "The Forum provides a structured collaboration environment within the DSSC, stimulating **software and service providers to be visible and discoverable** and develop solutions based on the **blueprints and toolbox** of the DSSC."

Our goal:

- Interact with Dataspace technology suppliers
- Map with them their solutions and characteristics
- Foster the adoption of OSS dataspace solutions

# Update on Standardisation



ECLIPSE DATASPACE

# Great Baltimore Fire (February 7-8, 1904)

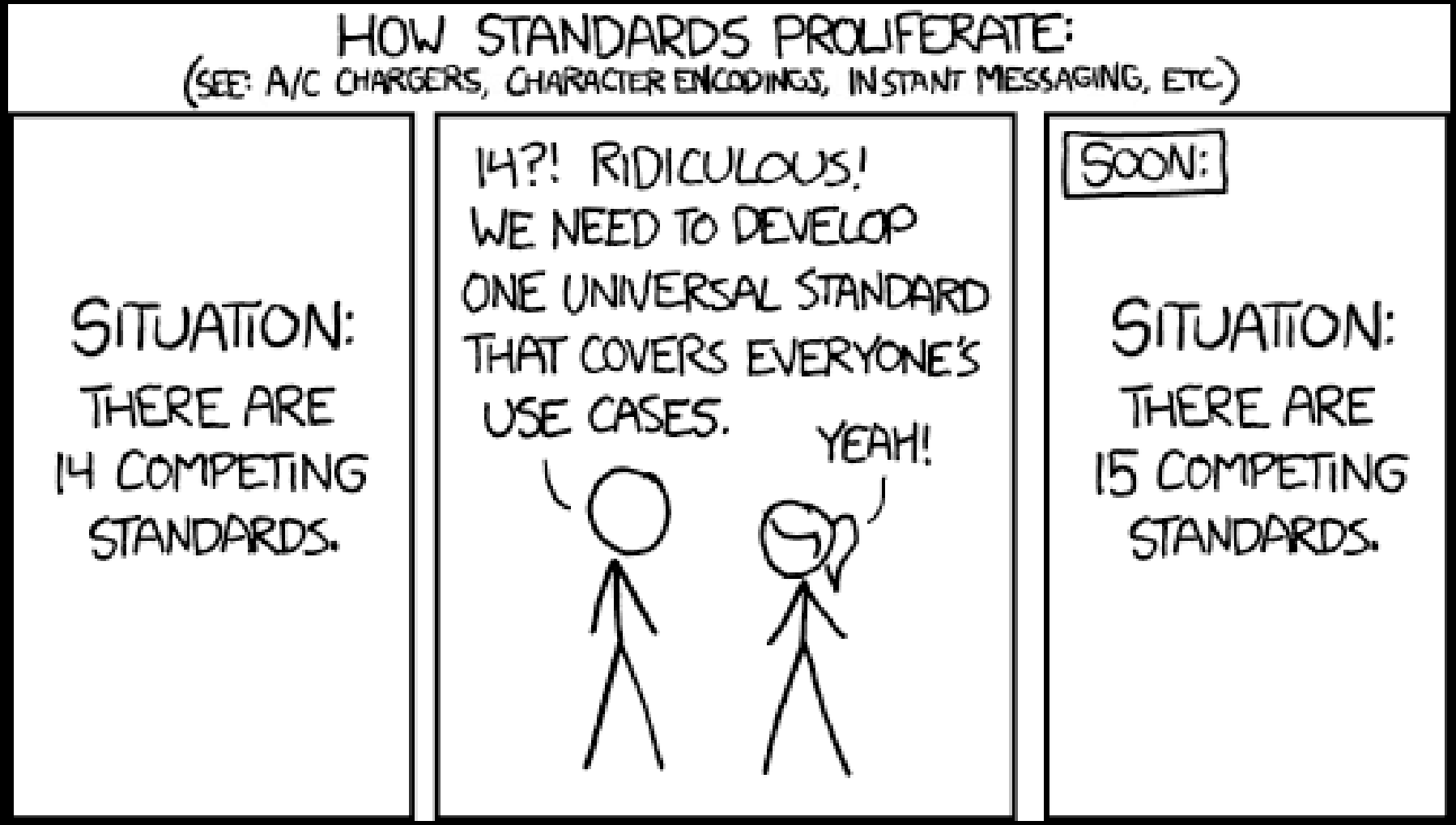
- 1,500 buildings destroyed
- 1,000 severely damaged
- Estimated $100 million of property damage
- Much of central Baltimore razed, covering an area of 57 ha

# Why we need standards

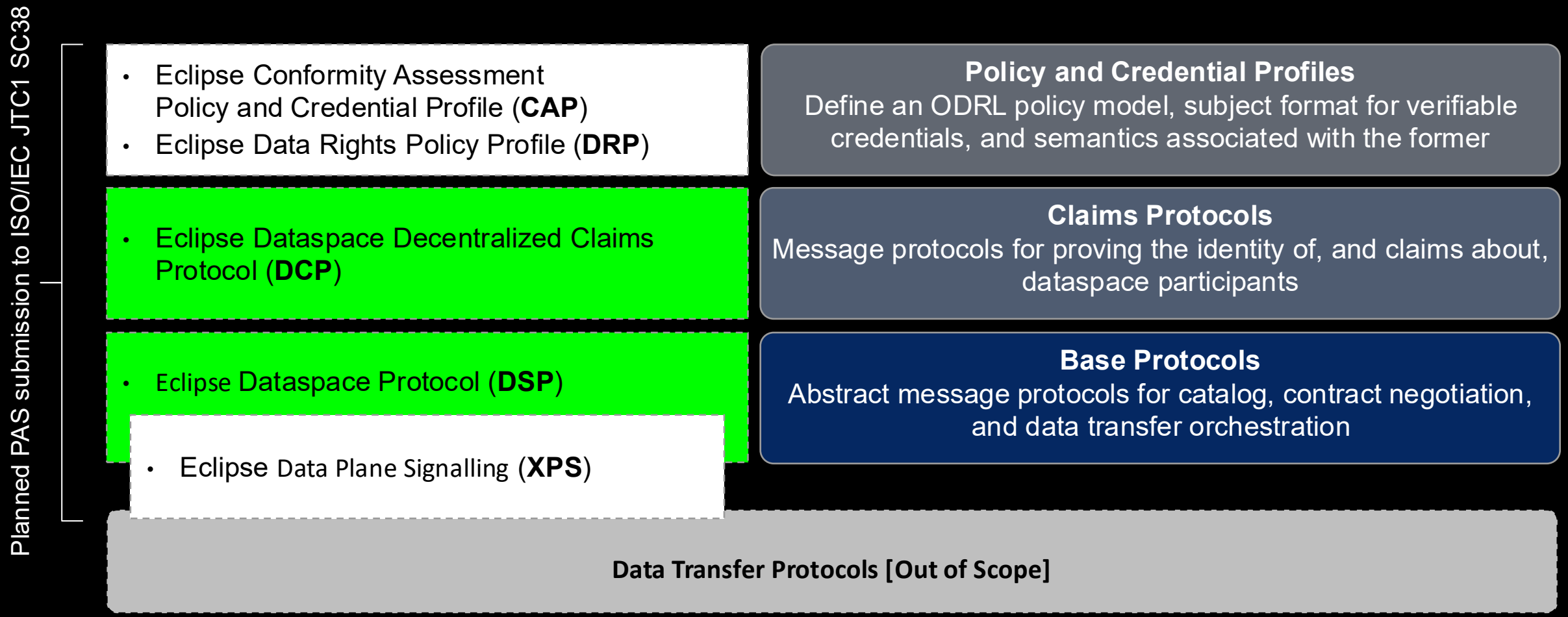
Why did the blaze burn for two days?

- **Manpower?**
  - No! 1231 firefighters
- **Equipment?**
  - No! Washington D.C., Philadelphia, New York, Atlantic City and several other cities sent equipment
- **No equipment or procedure standards**

# But at the same time...



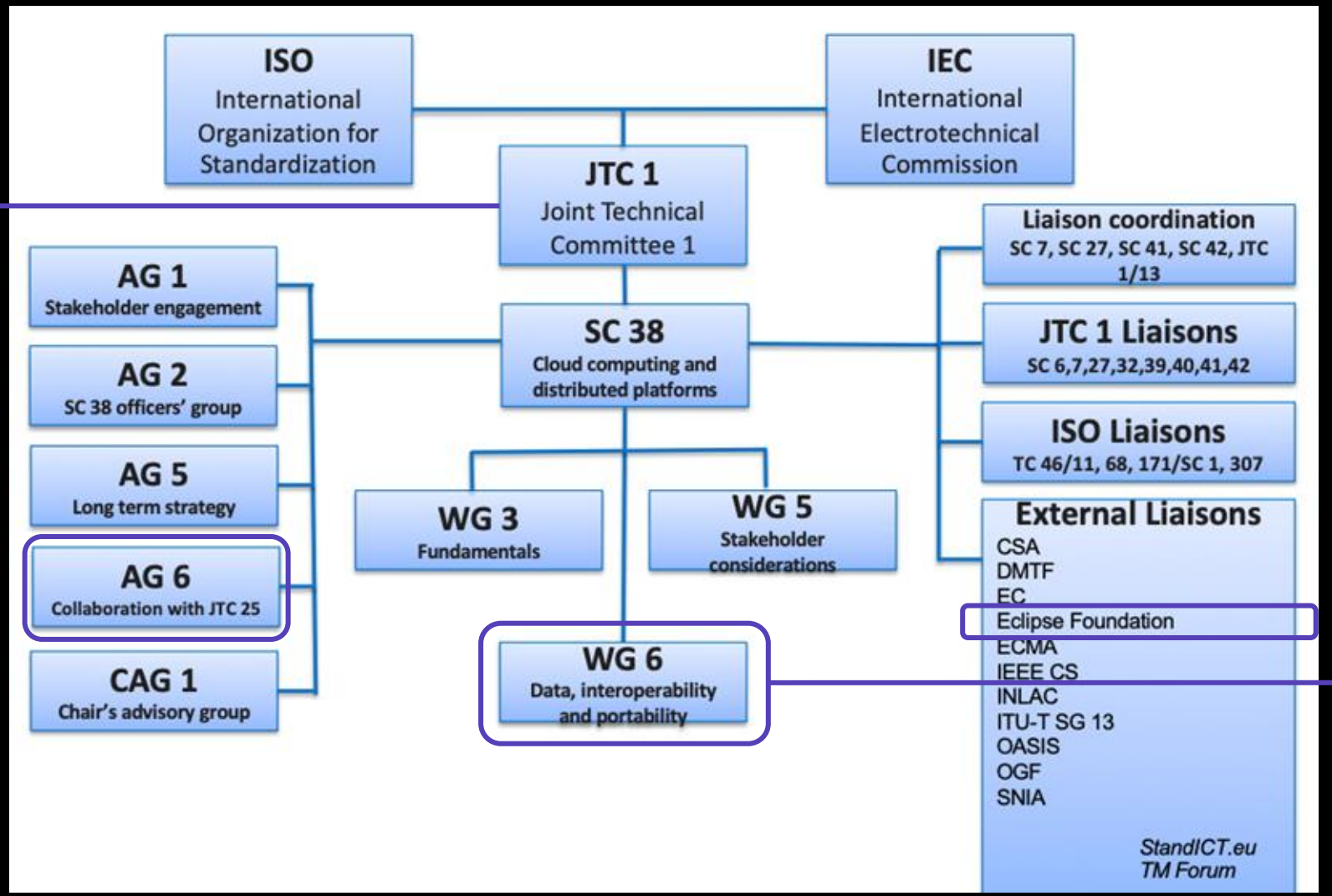
# Overview Current Specifications under EDWG



# ISO/IEC JTC1 SC38

**Priority 1:**

Transpose EDWG protocols into ISO/IEC technical standards using the PAS mechanism



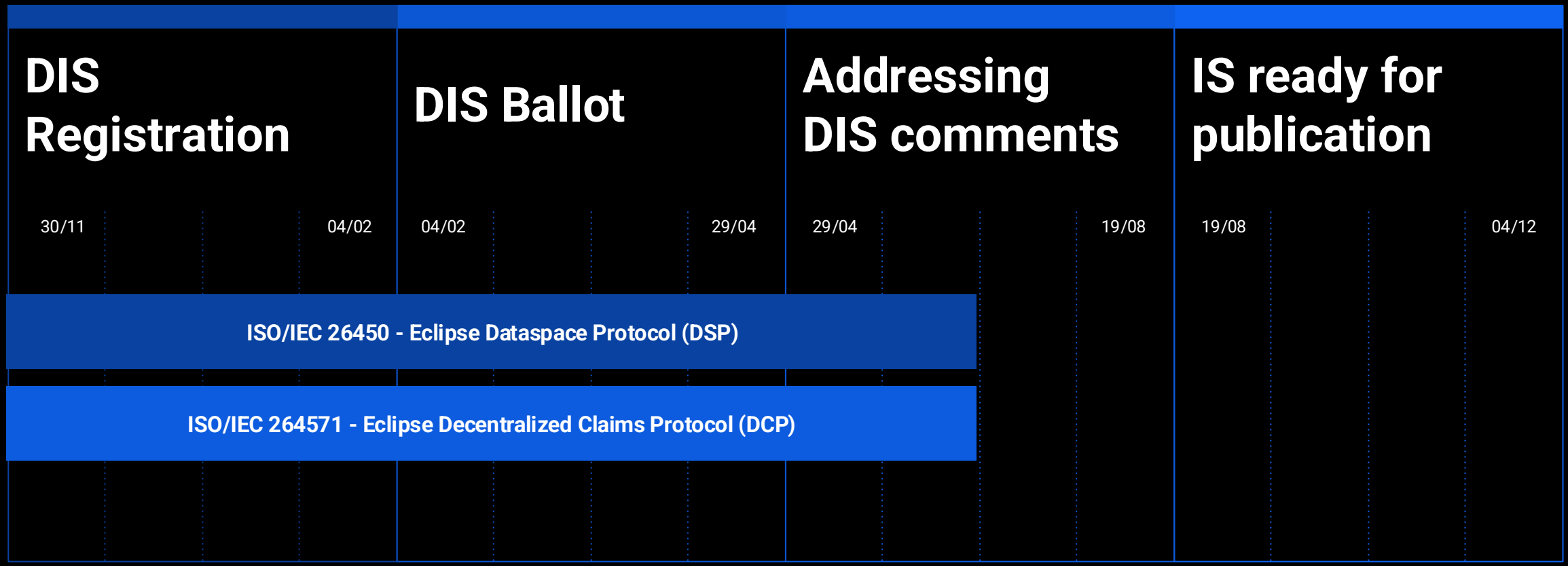

**Priority 2:**

Make sure EDWG protocols are considered in the SC38 WG6 documents about dataspaces

# SC38 relevant projects (WG6)

- **ISO/IEC DIS 20151-1**: Dataspaces — Part 1: Concepts and characteristics
- **ISO/IEC DIS 19941-1**: Cloud computing — Part 1: Interoperability and portability
- **ISO/IEC AWI 20151-3**: Dataspaces — Part 3: Use cases for dataspaces
- **ISO/IEC PWI 20151-2**: Dataspaces — Part 2: Trust frameworks

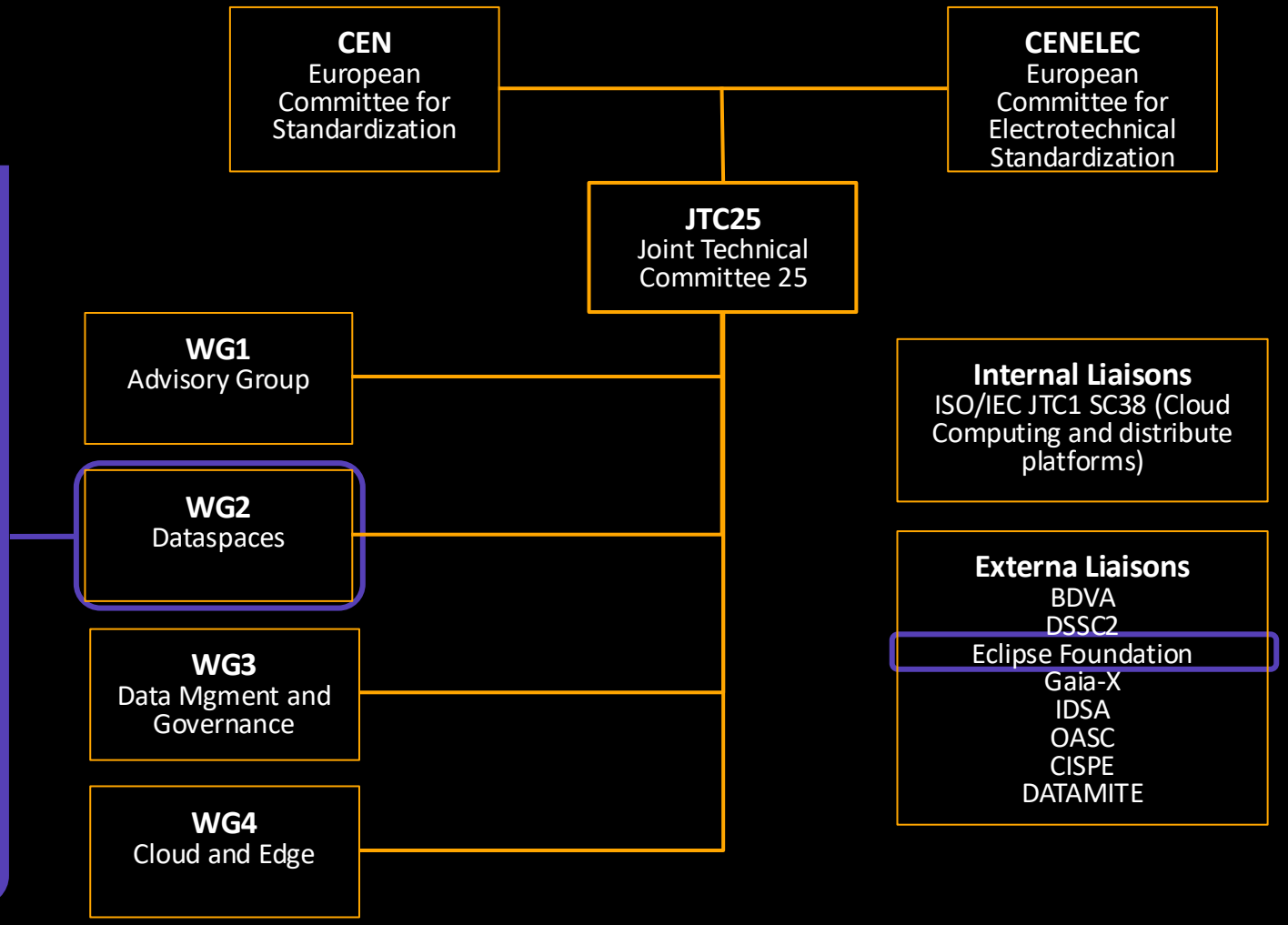
# PAS transposition of DSP and DCP



# CEN/CENELEC JTC25

**Priority:**

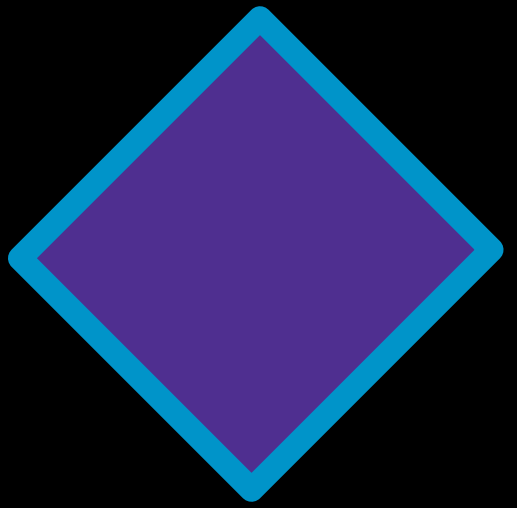
Make sure EDWG protocols are considered in the JTC25 harmonised standards



# JTC25 relevant projects (WG2)

- **EN 18235-1:2026**: Trusted data transactions - Part 1: Terminology, concepts and mechanisms
- **prEN 18235-2**: Trusted data transactions - Part 2: Trustworthiness requirements
- **prEN 18235-3**: Trusted data transactions - Part 3: Interoperability requirements
- **PWI**: Trust frameworks for data spaces: European specific context and approach
- **PWI**: Overview of architecture of standards in support of the European Trusted Data Framework

# Takeover message



# Summary

- EDWG is consistently delivering on **Specification/Standardisation** activities
  - With 5 protocols currently being developed
  - 2 of them (DSP, DCP) in PAS transposition at ISO/IEC
  - Consistent contribution to ISO/IEC JTC1 SC38 and CEN/CENELEC JTC25
  - The result: **Eclipse Dataspace protocols expected to be the reference standards for dataspace interoperability and covered by the EU standardisation request for the Data Act.**
- The focus for 2026 and beyond is expanded → **Adoption**
  - Collaboration with IDSA Data Spaces Adoption Forum
  - Partners in the Data Space Support Centre 2 (European Commission Funded Coordination and Support Action)

# Thank you!

# Want to know more?

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ARENA2036

Catena-X
Your Automotive Network

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Where we build dataspaces!

ECLIPSE FOUNDATION

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