

ASD-STAN

Standardization

Standards for Industry by Industry

March 2020

About us

ASD-STAN is an industrial non-profit association (AISBL) that develops and maintains European standards for the European aerospace & defence industry.

As an **associated body to CEN** (European Committee for Standardization) we are the main provider of European aerospace Norms (EN).

To enhance the competitiveness of European companies, we established a protocol with CEN to **shorten the process** of European standardization. **ASD-STAN** publishes projected-EN standards (ASD-STAN prEN) which are *technically identical to the final European Norm (EN)*.

Our values of **openness, transparency, consensus and balance** are at the core of our Working Groups. Bringing experts from all across Europe and the industry together, we guarantee the safety of our standards by having Original Equipment Manufacturers (OEMs) and Type Certificate (TC) holders chair our Working Groups.

What we do

- Develop standards related to the design, production and maintenance of aircraft systems, equipment and standard parts
- Manage standardization projects in 10 Domains and 45 Working Groups
- Work in close cooperation with National Standardization Bodies (BNAE, DIN, BSI)
- Contribute to the promotion of European standards at international level
- Cooperate with EDA EDSTAR JMC on the application of civil standards for military purposes
- Act as the European body for the development of global quality aerospace standards by the International Aerospace Quality Group (IAQG)
- Provide trainings (ASD-STD 100 “Simplified Technical English”, REACH, Training on 9100)

ASD-STAN members

Our members include national industrial associations, national standardization bodies, major aerospace companies and public institutions:

➤ GIFAS – French association

➤ DIN – German NSB

➤ ADS – UK association

➤ TEDAE – Spanish association

➤ AIAD – Italian association

➤ SOFF – Swedish association

➤ ASD

➤ AIRBUS

➤ EASA



More information about the involvement in the Aerospace Standardization and its benefits can be found on our web-page [“Why and how to be involved?”](#) and on our [corporate leaflet](#)

Cooperation with CEN

- **1986 AECMA-STAN recognized by CEN as an “Associated Body” and “Sole Provider of European Aerospace Standards”**
- ASD-STAN is the CEN Technical Committee (TC) for “Aerospace”
- About 2539 currently published European Standards originate from ASD-STAN (16% of the total CEN/CENELEC publications of ENs)
- currently 560 published ASD-STAN prENs are in progress towards becoming ENs.
- More than 100 direct experts organized in 45 ASD-STAN WGs and 10 Domains
- 69 Technical Reports published by ASD-STAN
- Yearly production (2018): ca. 107 ASD-STAN prENs and 125 ENs
(2019): ca. 42 ASD-STAN prENs and 170 ENs

Our Main Projects:

- EN 4179 — Qualification and approval of personnel for non-destructive testing
- EN 9100 series deriving from the International Aerospace Quality Group (IAQG)
- EN 6114 and 6115 — Bolts and Inch series
- EN 4709 series — UAS product requirements, CE marking and operating rules for the Open category (harmonized standards)
- DOA — Design Organization Approval standards
- LOTAR series — Long Term Archiving and Retrieval of digital technical product data-9300 series
- REACH compatible standards-new 7000 series

Current & Future Strategic projects

- Cybersecurity
- REACH compatible Standards
- Unmanned Aircraft Systems (EC standardization request, EASA specification on open category UAS)
- Additive Manufacturing
- Digitalization of standards (e.g. Blockchain for Aviation)

10 domains of activity

1. Program Management
& System Engineering

2. Electrical

3. Mechanical

4. Material

5. Autonomous Flying

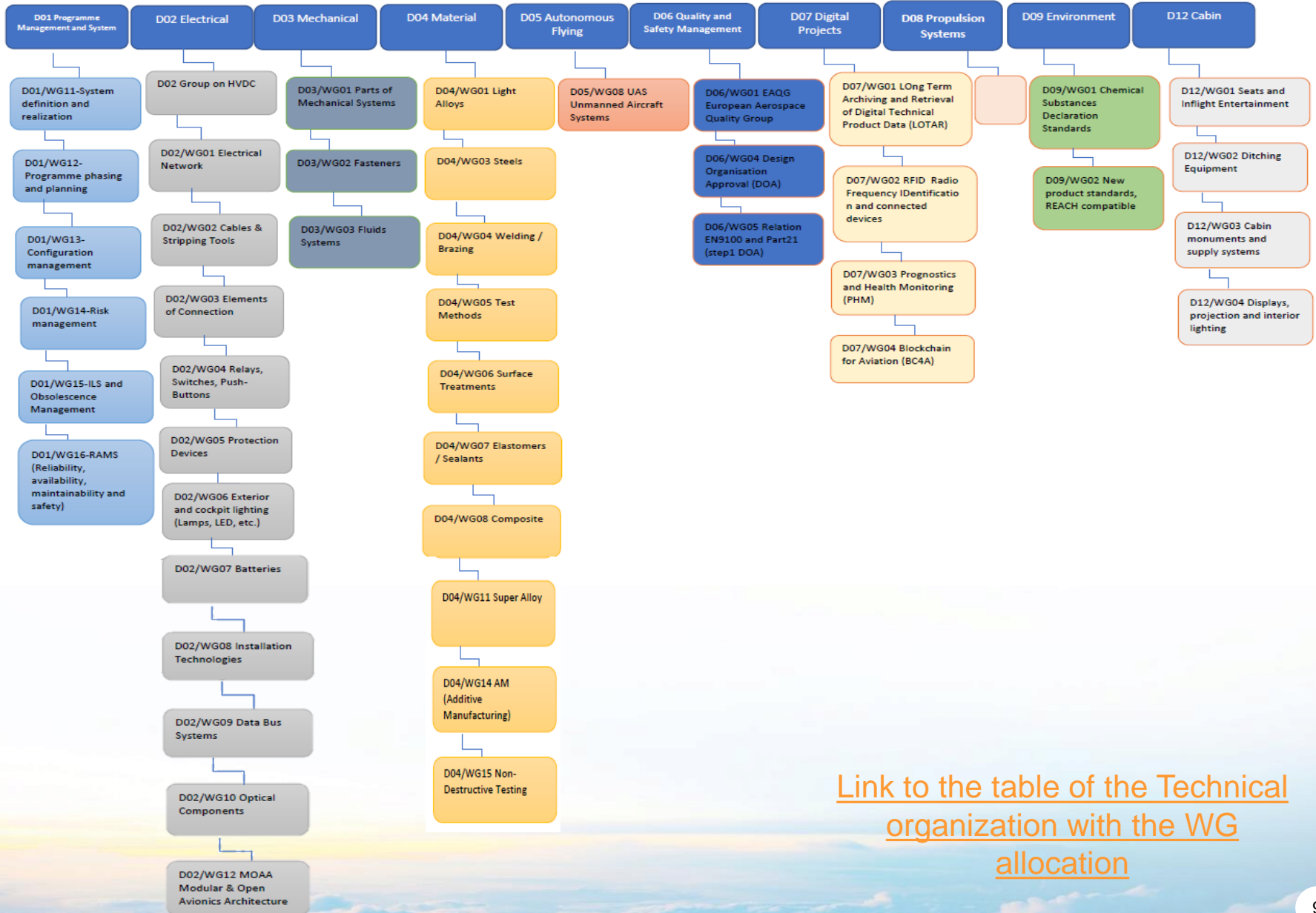
6. Quality & Safety Management

7. Digital Projects

8. Propulsion Systems

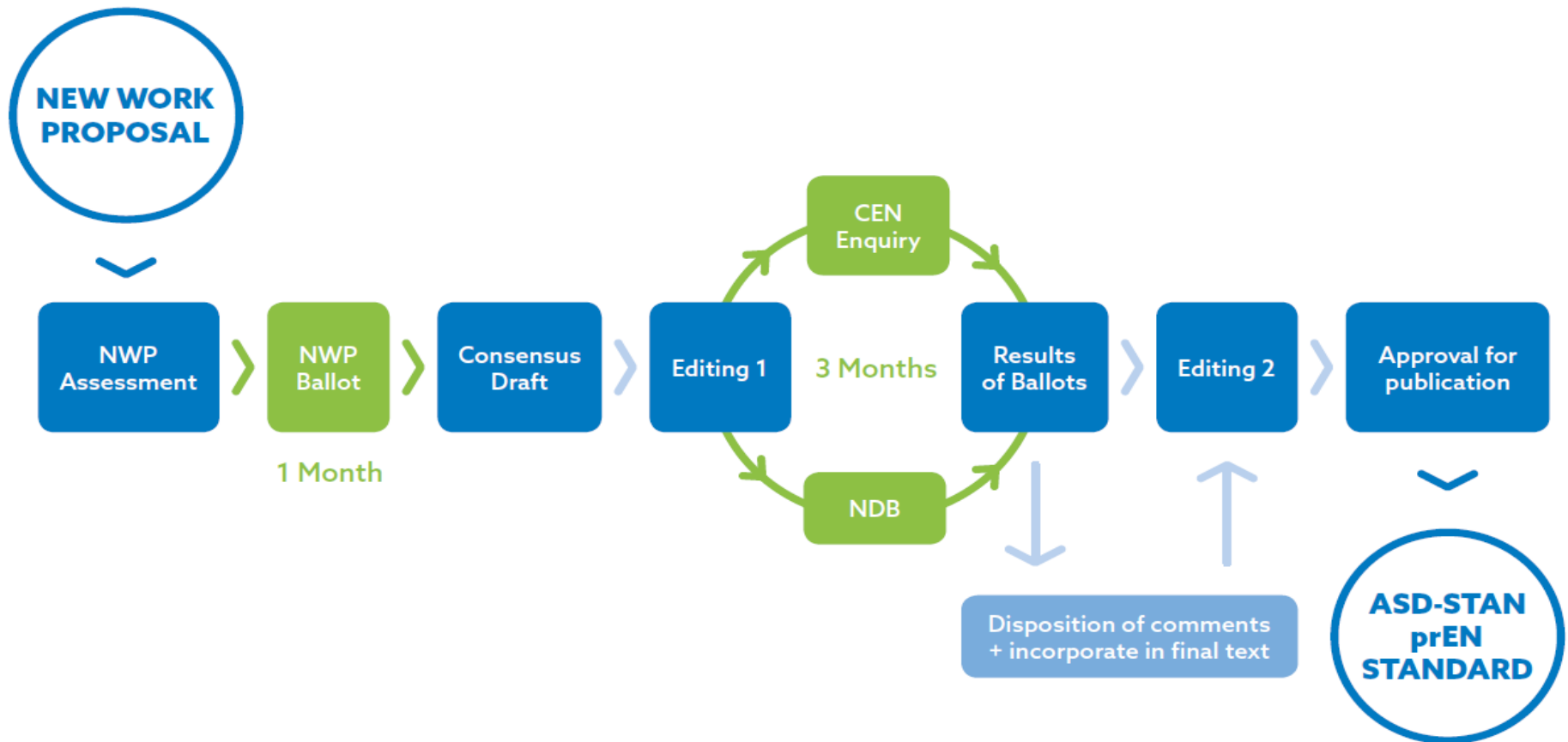
9. Environment

10. Cabin



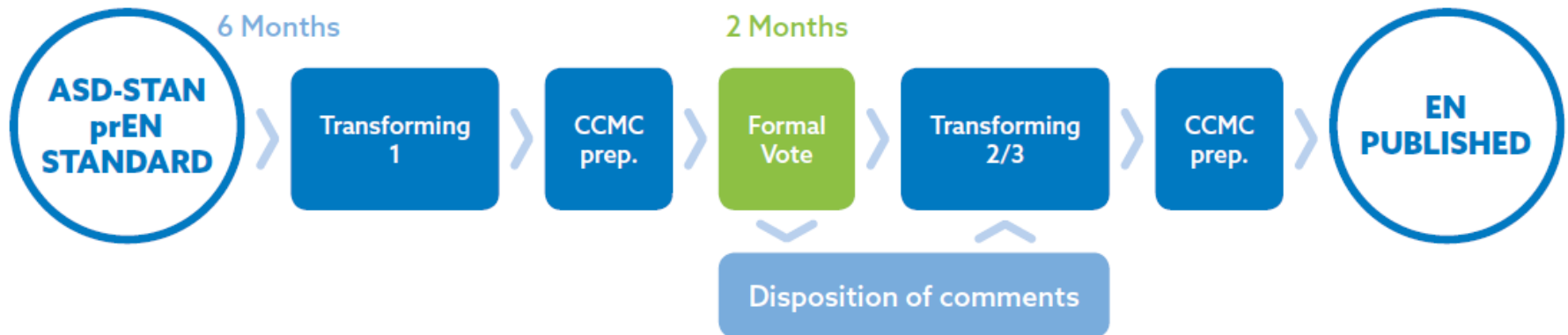
[Link to the table of the Technical organization with the WG allocation](#)

ASD-STAN prEN Process



Development & publication time is 8 to 17 months.

Transforming Process



Development & publication time is at least 14 months.

No technical change is accepted during ASD-STAN prEN transformation into EN

ISO/TC 20	Aircraft and space vehicles
ISO/TC 20/SC 1	Aerospace electrical requirements
ISO/TC 20/SC 4	Aerospace fastener systems
ISO/TC 20/SC 14	Space systems and operations
ISO/TC 20/SC 16	Unmanned aircraft systems
ISO/TC 79	Light metals and their alloys
ISO/TC 155	Nickel and nickel alloys
ISO/TC 184	Automation systems and integration
ISO/TC 184/SC 1	Physical device control
ISO/TC 184/SC 4	Industrial data
ISO/TC 184/SC 5	Interoperability, integration, and architectures for enterprise systems and automation applications

Vienna Agreement between ISO and CEN allows common development of ISO EN publications by ASD-STAN involvement

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Thank you for your attention!