# ASD-STAN

Standardization

Standards for Industry by Industry



# **About us**

**ASD-STAN** is an industrial non-profit association (AISBL) which 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 (prEN) which are <u>technically identical to the final European Norm (EN)</u>.

# **Members of ASD-STAN**



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

### 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 39 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, EDA JMC, and CEN DSCG for the application of civil standards in the defence environment
- Act as the European body to develop global quality aerospace standards by the International Aerospace Quality Group (IAQG).
- Provides trainings (ASD-STD 100 "Simplified Technical English", REACH, Training on 9100).



# **Current Strategic projects**

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

# **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
- DOA Design Organisation Approval standards
- LOTAR series LOng Term Archiving and Retrieval of digital technical product data
- REACH compatible standards



# **10 Domains of activity**

- Program Management & System Engineering
- :. Electrical
- Mechanical
- Material
- Autonomous Flying

- Quality and Safety Management
- Digital Projects
- Aeroengines & technologies
- Environment
- · Cabin



# **Technical Organization**

Secretariat

**Board & General Assembly** 

**Technical Authority** 

**Strategic Council** 

#### **10 Technical Domains**

Program

Management and System **Engineering** 

D01/WG06:

Program Management and System

Engineering

Electrical

D02/WG01: Electrical D02/WG02: Cables &

stripping tools D02/WG03: Elements of

Connection

D02/WG04: Relays D02/WG05: Protection

devices

D02/WG06: Exterior and Cockpit Lighting

D02/WG07: Batteries

D02/WG08: Installation Technologies

D02/WG09: Data bus

Systems

D02/WG010: Optical

Components

D02/WG12: MOAA Modular & Open Avionics Architecture Mechanical

D03/WG01: Parts of mechanical Systems

D03/WG02: Fasteners

D03/WG03: Fluids systems Material (Metallic

Non-Metallic)

D04/WG01: Light Alloys

D04/WG03: Steels

D04/WG04: Welding/brazing

D04/WG05: Test Methods

D04/WG06: Surface treatments

D04/WG07: Elastomers/sealants

D04/WG08: Composite D04/WG11: Super alloy

D04/WG14: Additive Manufacturing

D04/WG15: Non-Destructive

Testing

**Autonomous Flying** 

D05/WG08: UAS **U**nmanned Aircraft **S**ystems

Quality and Safety Management

**EAQG QMS** 

D06/WG01:

standards

D06/WG04:

DOA D06/WG05:

Relation EN9100 and Part21

(step1 DOA)

Digital

**Projects** 

Aero engines

and

technologies

D07/WG01: LOTAR LOng

Term Archiving & retrieval of digital technical

product data

MoU with AIA

**ProSTEP. PDES** 

D07/WG02: RFID Radio

Frequency Identification and Connected devices

D07/WG03: Prognostics and health Monitoring (PHM)

D07/WG04: Blockchain for Aviation (BC4A)

**Environment** 

Chemical substances declaration Standards

D09/WG01:

(REACH) MoU with SAE

> D09/WG02: New product Standards. REACH compatible

Cabin

D12/WG01: Seats & in-flight Entertainment

D12/WG02: Ditching Equipment

D12/WG03: Cabin monuments & supply systems

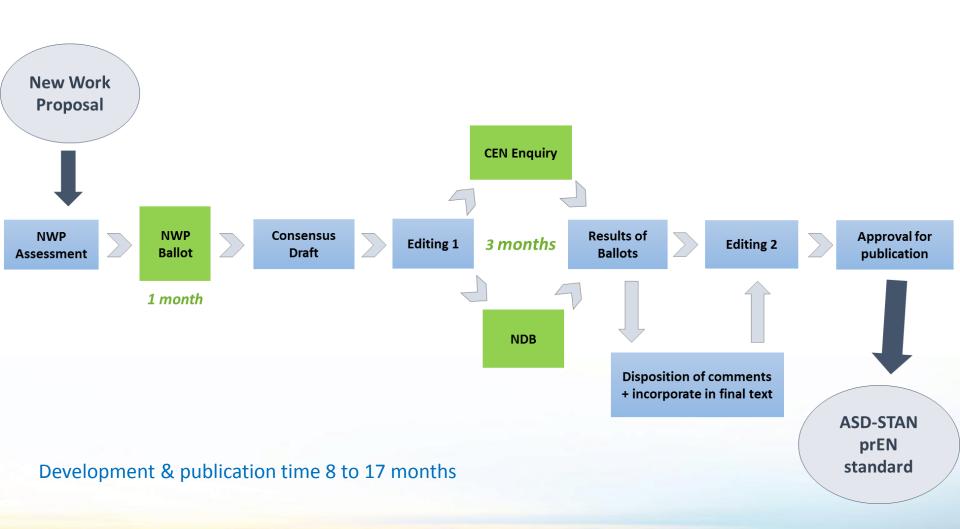
D12/WG04: Displays,

projection and interior lighting

**39 active Working Groups** 

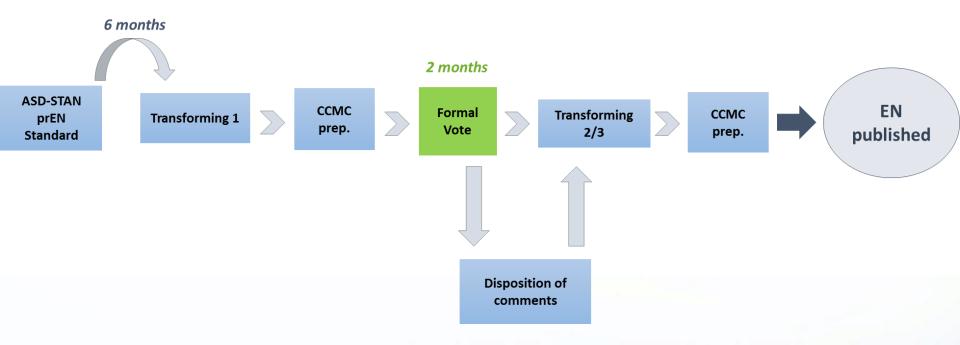


# **ASD-STAN prEN process**





# **ASD-STAN** transforming process



Development & publication time at least 14 months

No technical change is accepted during the prEN transformation into EN

# **Liaison Representation in ISO**



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

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



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# ASD-STAN Standardization