

ASD-STAN

Standardization

Fostering innovation with European AeroSpace standards

June 2020

About us

ASD-STAN is an international 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-STE 100 “Simplified Technical English”, REACH training)

ASD-STAN members

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

➤ [GIFAS](#) – French Aeronautical and Space Industries Group



➤ [DIN](#) – German Institute for Standardization (NSB)

➤ [ADS](#) – UK Aerospace, Defence, Security & Space Industries association



➤ [TEDAE](#) – Spanish association of Defense, Aeronautics, Security and Space Technology Companies

➤ [AIAD](#) – Federation of Italian Companies for Aerospace, Defence and Security



➤ [SOFF](#) – Swedish Security and Defense Industry Association

➤ [ASD](#) - AeroSpace and Defence Industries Association of Europe



➤ [AIRBUS](#)

➤ [EASA](#) - European Aviation Safety Agency



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 2540+ 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:

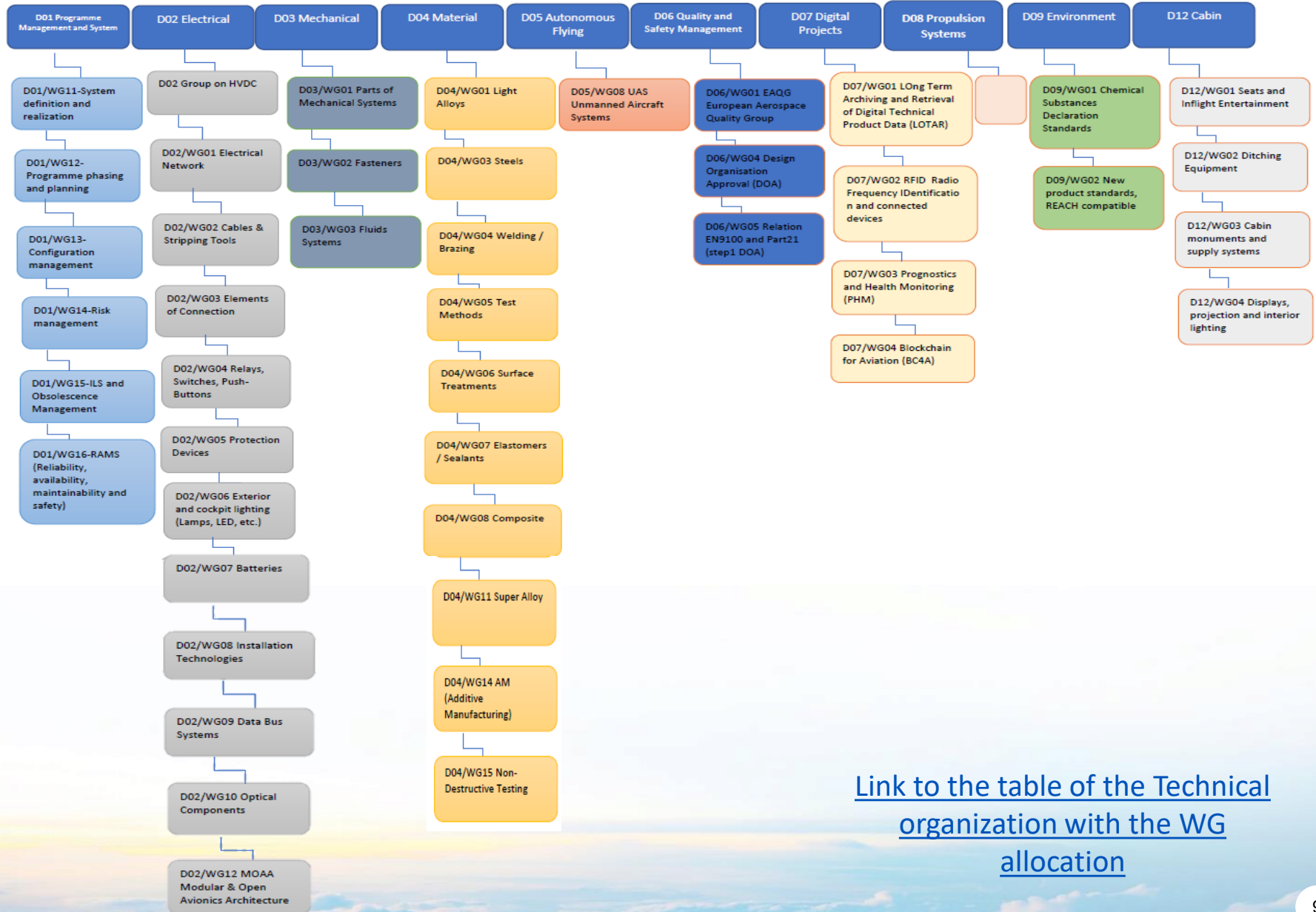
- EN 4179 — Qualification and approval of personnel for non-destructive testing
- EN 9100 series deriving from the International Aerospace Quality Group (IAQG)
- EN 6114 and 6115 — Bolts and Inch series
- EN 4709 series — UAS product requirements, CE marking and operating rules for the Open category (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
- Batteries

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

The ASD-STAN prEN (projected European Norm) is an early publication of the CEN EN. The CEN EN is a later publication of the ASD-STAN prEN with a CEN coversheet.

ASD-STAN prENs are technically identical (with exactly the same content) to the further EN publications by CEN members.

All the European Standards (EN) in the range between 2000-9999 are originating from ASD-STAN.

ASD-STAN prEN publications can be used for any training and/or certification activity!

Technical Report (TR)

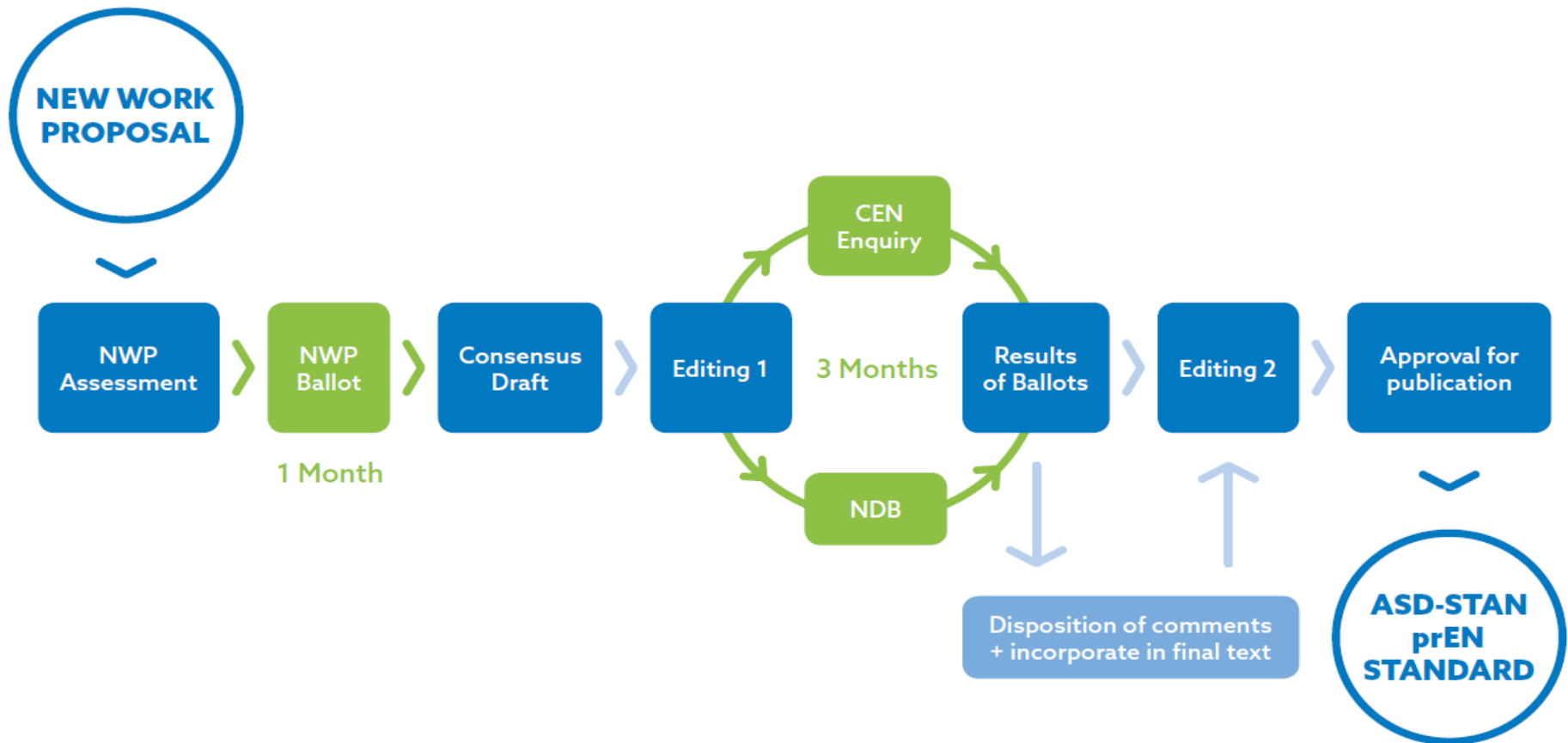
An informative document that provides information on the technical content of standardization work.

A TR can be published in the following cases:

- The subject to be covered by the TR is still under technical development requiring wider exposure but needs to be laid down at its current status for further development;
- Informative publication containing collected data of a different kind, which currently cannot be published as European Standard (EN).
- A TR may include, for example, data obtained from a survey carried out among members, data on work in other organizations, or data on the “state-of-the-art” in relation to national standards on a particular subject.

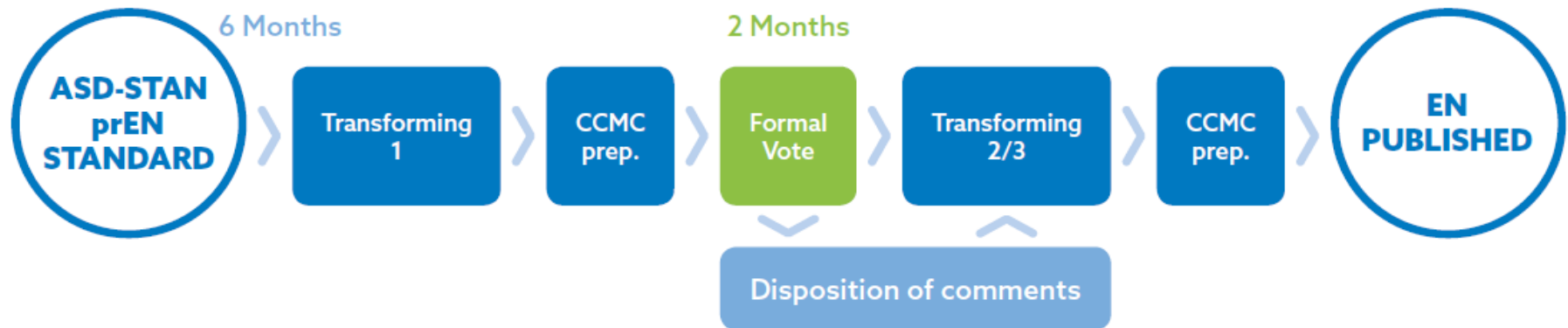
*ASD-STAN TR is **not** transformed into CEN TR and is part of the 5 years periodic review.*

ASD-STAN prEN Process



Development & publication time is 8 to 17 months.

ASD-STAN Transforming Process



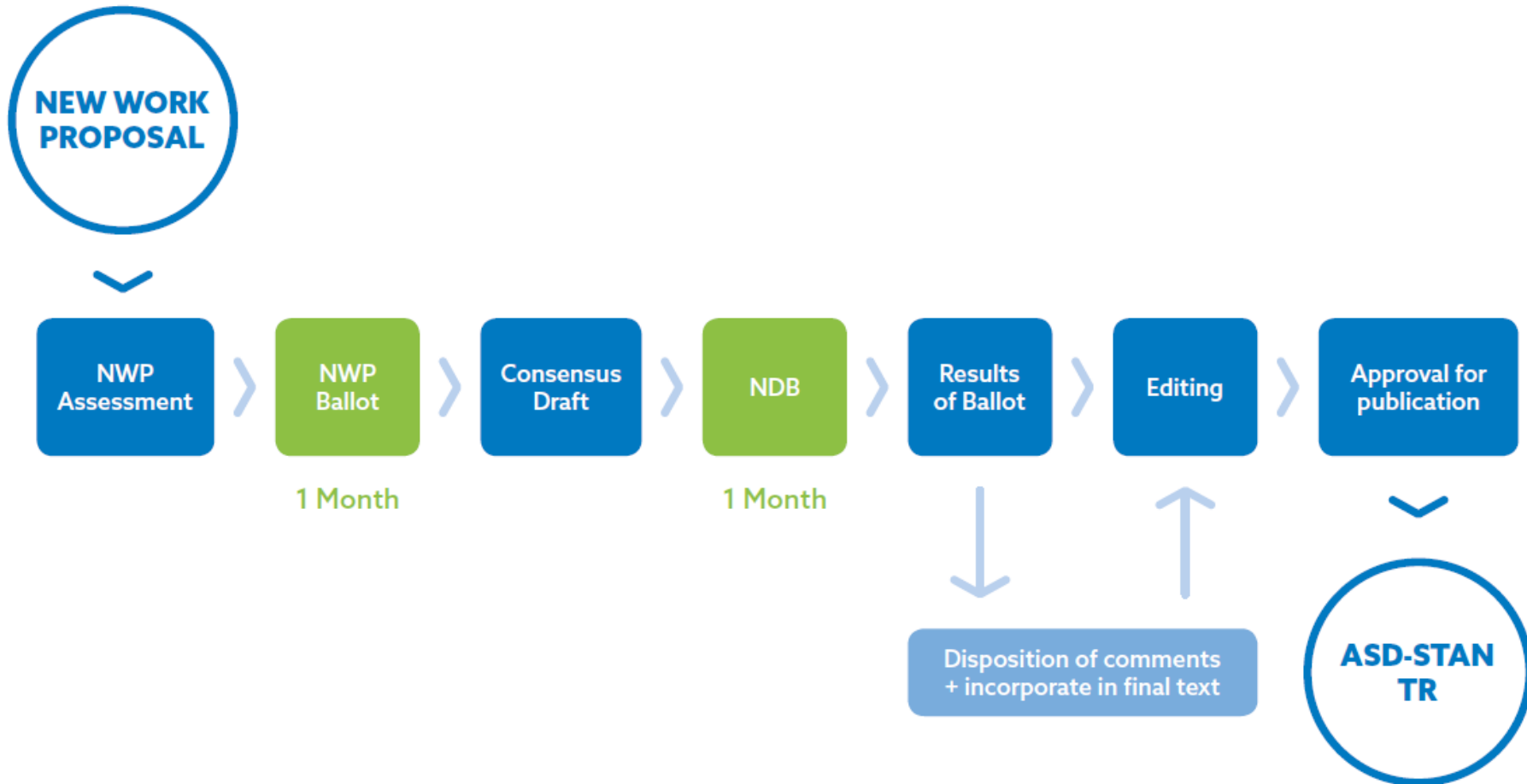
Development & publication time is at least 14 months.

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

The production of an EN once ratified results in:

- ✓ a publicly available standard-owned, maintained and distributed by the National Standardisation Bodies;
- ✓ all **competing National Standards being withdrawn** by the National Standardisation Bodies **within six months**;
- ✓ permits its **incorporation into European legislation** thereby re-enforcing its worth;
- ✓ allows ASD-CERT to provide certification at a much-reduced cost to industry.

ASD-STAN Technical Report (TR) process



Development & publication time is minimum 6 months.

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

Offices

Registered office:

Pari Aliyeva, Director

pari.aliyeva@asd-europe.org

Rue Montoyer 10/5
1000 Brussels
Belgium
+32 2 775 81 26

Paul-Alexander Cramers, Executive Manager

paul-alexander.cramers@asd-europe.org

Rue de la Science 14b
1040 Brussels
Belgium
+32 2 880 36 52

Remote office:

Anja Lange, Executive Manager

anja.lange@asd-europe.org

Burggrafenstraße 6
10781 Berlin
Germany
+49 30 2601 2291
part of DIN NL offices



Thank you for your attention!