



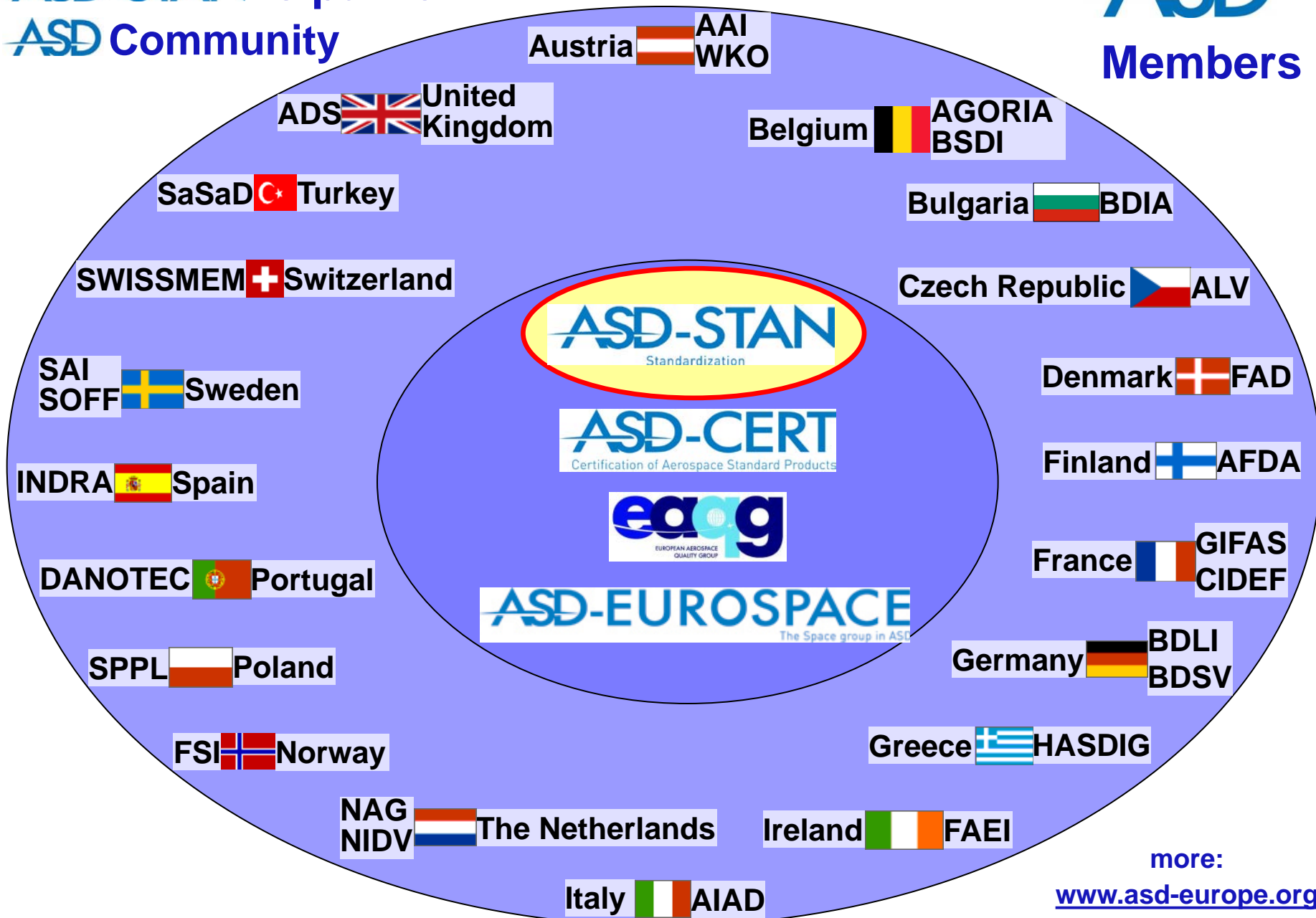
# ASD-STAN

## European Standards for Aerospace & Defence

**Andreas K. Jain**  
**ASD-STAN**  
**March 2017**

# ASD-STAN is part of ASD Community

**ASD**  
Members



more:  
[www.asd-europe.org](http://www.asd-europe.org)

**ASD's overall mission is to enhance the competitive development of the Aeronautics, Space, Defence and Security Industry in Europe in partnership with European Institutions and Member associations.**

- **ASD-STAN represents ASD in the field of Standardization**
  
- **ASD-STAN**
  - **develops standards,**
  - **maintains standards,**
  - **publishes and sells online its own standards,**
  - **Finally transfer ASD-STAN standards to CEN to be published as European Norms (EN)**
  
- **Active membership in ASD-STAN is by a number of ASD members and other organizations (New Statutes April 2016)**

# ASD-STAN members



**UNITED KINGDOM**

UK Aerospace, Defence, Security & Space Industries (**ADS**)



**SWEDEN**

Swedish Security and Defence Industry Association (**SOFF**)



**GERMANY**

German Aerospace Standardization Board (**DIN-NL**)



**ASD**

European Aviation Safety Agency



**FRANCE**

Aerospace and Defence Industries Association of Europe

French Aerospace Industries Association (**GIFAS**)



**SPAIN**

Spanish Association of Defense, Aeronautics and Space Technology Companies , **TEDAE**



**ITALY**

ITALIAN INDUSTRIES FEDERATION FOR AEROSPACE, DEFENCE AND SECURITY (**AIAD**)

### ASD-STAN is ...

- ... an international association constituted according to Belgian law
- ... a non-profit association “ASBL”
- ... part of the European Standardization System implemented by CEN\*
- ... an affiliated company to ASD for development and publication of standards

\* CEN = Comité Européen de Normalisation, European Committee for Standardization




### ASD-STAN is ...




**Legal Address: rue Montoyer 10/5**  
**1000 Brussels**  
**Belgium**  
central office

Remote Office: Linder Höhe  
51147 Cologne  
Germany  
part of DLR offices



Remote Office: 199, rue Jean-Jacques Rousseau  
92138 Issy-les-Moulineaux  
France  
part of BNAE offices

Remote Office: Burggrafenstraße 6  
10781 Berlin  
Germany  
part of DIN NL offices

 +32 2 775 81 26  
 +32 2 775 81 31  
e- [Pari.Aliyeva@asd-europe.org](mailto:Pari.Aliyeva@asd-europe.org)  
**Sales & Services Manager**

 +49 2203 601 2954  
 +32 2 775 81 31 (Brussels)  
e- [Andreas.Jain@asd-europe.org](mailto:Andreas.Jain@asd-europe.org)  
**Director**

 +33 1 47 65 70 18  
 +33 1 47 65 70 20  
e- [Christelle.Festaud@asd-europe.org](mailto:Christelle.Festaud@asd-europe.org)  
**Executive Manager (D2,D4)**

 +49 30 2601 2291  
e- [Anja.Lange@asd-europe.org](mailto:Anja.Lange@asd-europe.org)  
**Executive Manager (D1,D3,D6,D9)**

### ASD-STAN Board representation

#### ASD-STAN voting Board Members:

- Séverin Drogoul (Chairman), Airbus Group (G.I.F.A.S. France)
- Philippe Christophe, Dassault-Aviation (G.I.F.A.S. France.)
- Boris Quase, Airbus Germany (DIN Germany)
- Heinrich Hackmann, Airbus Space and Defence (DIN Germany)
- Dean Rogers, AIRBUS (ADS UK)
- Piero Visconti, Finmeccanica (AIAD Italy)
- Jens-Peder Ekros, Saab Aeronautics (SOFF Sweden)
- Jacinto Llorente, Airbus Space and Defence (TEDAE Spain)
- Eric Duvivier, EASA
- Vincent De Vroey, ASD

#### Treasurer

- Stephan Laumond, G.I.F.A.S. France.

#### Representatives

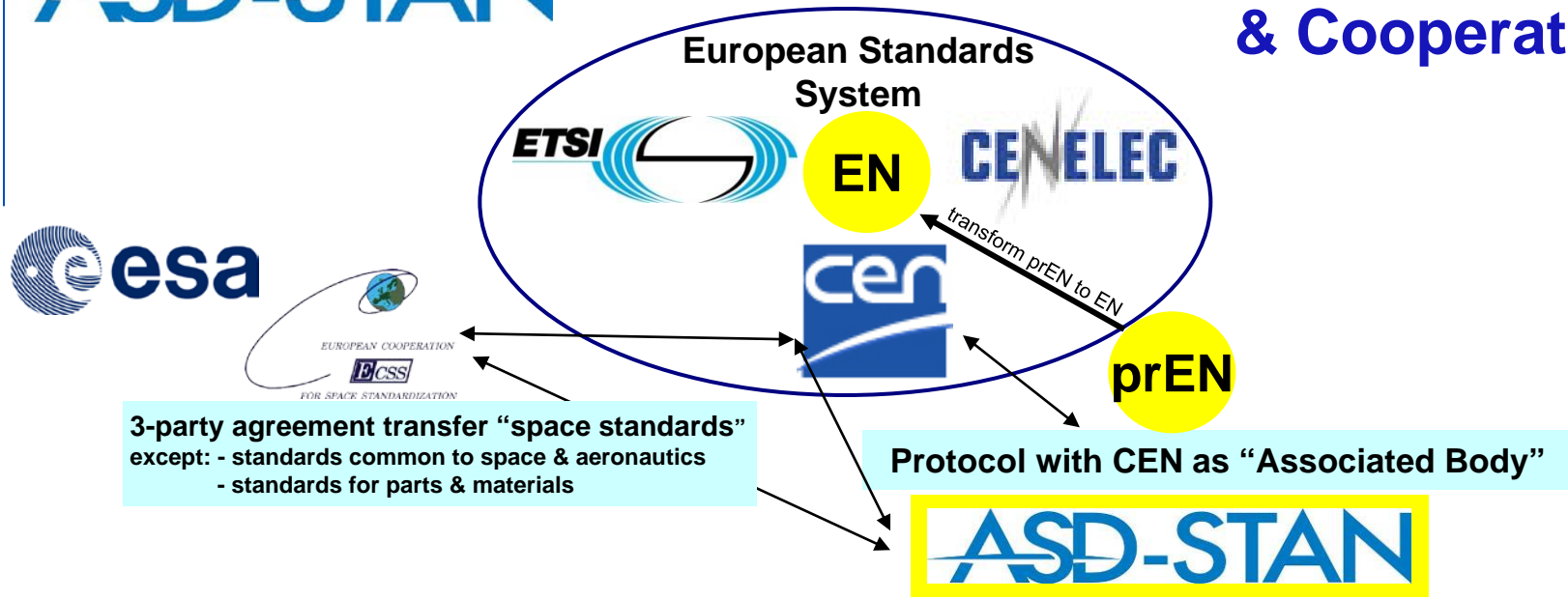
- Thierry de Mazancourt (ASD-CERT)

#### Permanent Guests from DIN-NL, BNAE, ADS



Cooperation with CEN since 1973 (AECMA CN → AECMA-STAN → ASD-STAN)

- **1986 AECMA-STAN recognised by CEN as “Associated Body” and “Sole Provider of Aerospace Standards” → ASD-STAN = CEN TC “Aerospace”**
- **2275 currently published European Standards originate from ASD-STAN = 11% to the total CEN/CENELEC publication of ENs**
- **currently 823 published prEN by ASD-STAN, apart from that 104 Standards currently in progress towards EN.**
- **711 ongoing standardization projects within ASD-STAN by 720 experts organized in ASD-STAN WGs**
- **66 Technical Reports published by ASD-STAN**



## Cooperation Europe



## Cooperation worldwide



## Cooperation Defence



Technical Cooperation Agreement  
 NSA/CSMWG (civil std.)  
 AC/327 WG2 (LCM-Quality)



ASD-STAN = IAQG SML Standardization Management Leader = worldwide management of development and publication processes for IAQG AeroSpace & Defence Quality Standards

Secretariat

Board & General Assembly

Strategic Council

Technical Authority

9 Technical Domains

General

LOTAR Long Term Archiving & retrieval of digital technical product data  
**MoU with AIA ProSTEP, PDES**  
 MOAA Modular & Open Avionics Architecture  
 Aircraft Cabin Air **EU Projects**  
 UAS Unmanned Aircraft Systems  
 RFID Radio Frequency **IDentification** Programme management & systems engineering  
 Seats & in-flight entertainment  
 Built-In tests  
 Ditching Equipment  
 Cabin monuments & supply systems

Electrical

Electrical network  
 Cables & stripping tools  
 Elements of connection  
 Relays  
 Protection devices  
 Lighting  
 Batteries  
 Installation technologies  
 Data bus  
 Optical  
 IMA Integrated **ModulAr** Packaging  
**EU PRIMAE project**

Mechanical

Parts of mechanical systems  
 Fasteners  
 Fluids systems

Metallic & Non-Metallic Material

Aluminium  
 Titanium  
 Steels  
 Welding/brazing  
 Test Methods  
 Surface treatments metallic  
 Elastomers/sealants  
 Composite material  
 Adhesives / honeycomb  
 Paints/varnishes & Surface treatment non-metallic  
 Super alloy  
 Textiles  
 Ceramics  
 ALM Materials  
 Non Destructive Testing

Quality

IAQG QMS standards  
 DOA

Environment

Environmental aspects in Standardization  
 Standard data communality  
 Chemical substances declaration Standards (REACH)  
**MoU with SAE**

E-Standards

**SSG Strategic Standards Group** for E-Business (BoostAero, STEP, LOTAR ebXML, etc.)  
**MoU with AIA**

Product Support

cooperation with ASD PSC & STEMG  
 training on ASD-STE100 Simplified Technical English  
**MoU with Italian UNINETTUNO University**

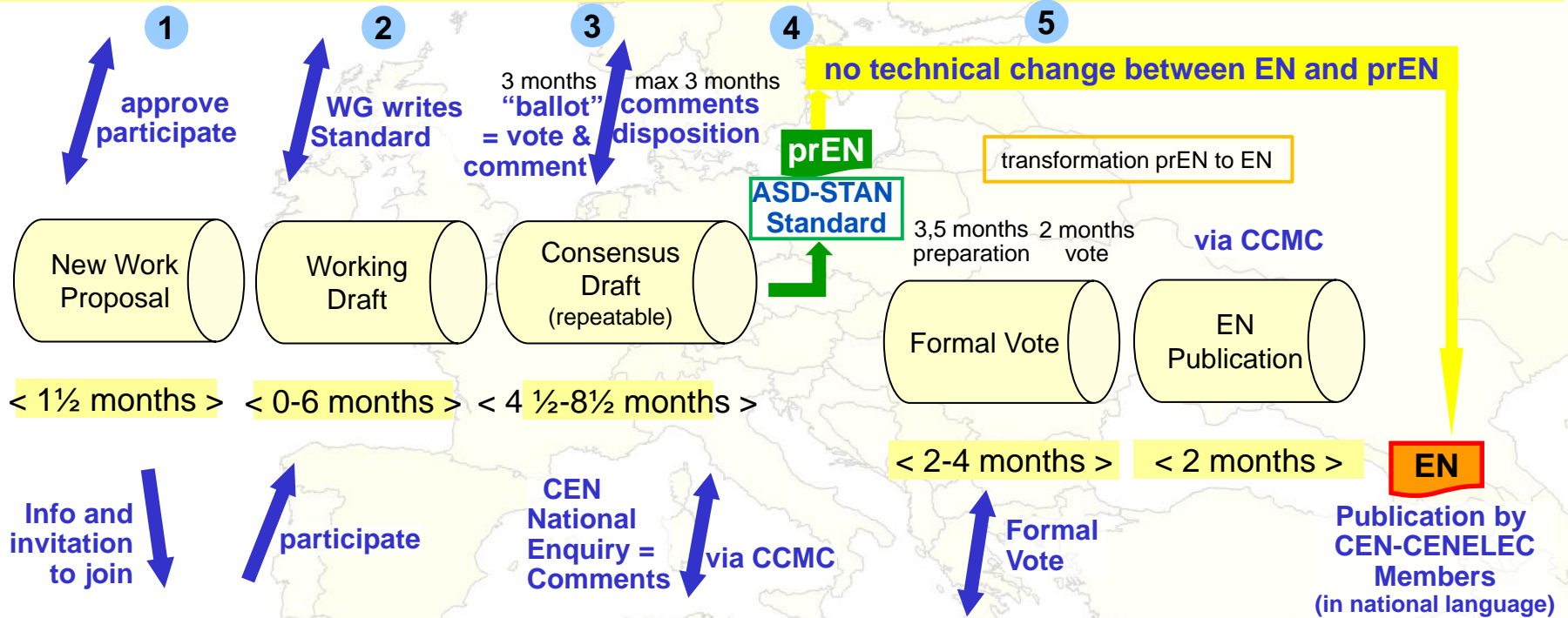
Space

ASD-STAN aspects are covered by Eurospace Standardization Panel

40 Working Groups

### ASD-STAN

Project Team, WG Secretariats, WG Leaders, Focal Points & Technical Coordinators, Member Coordinators



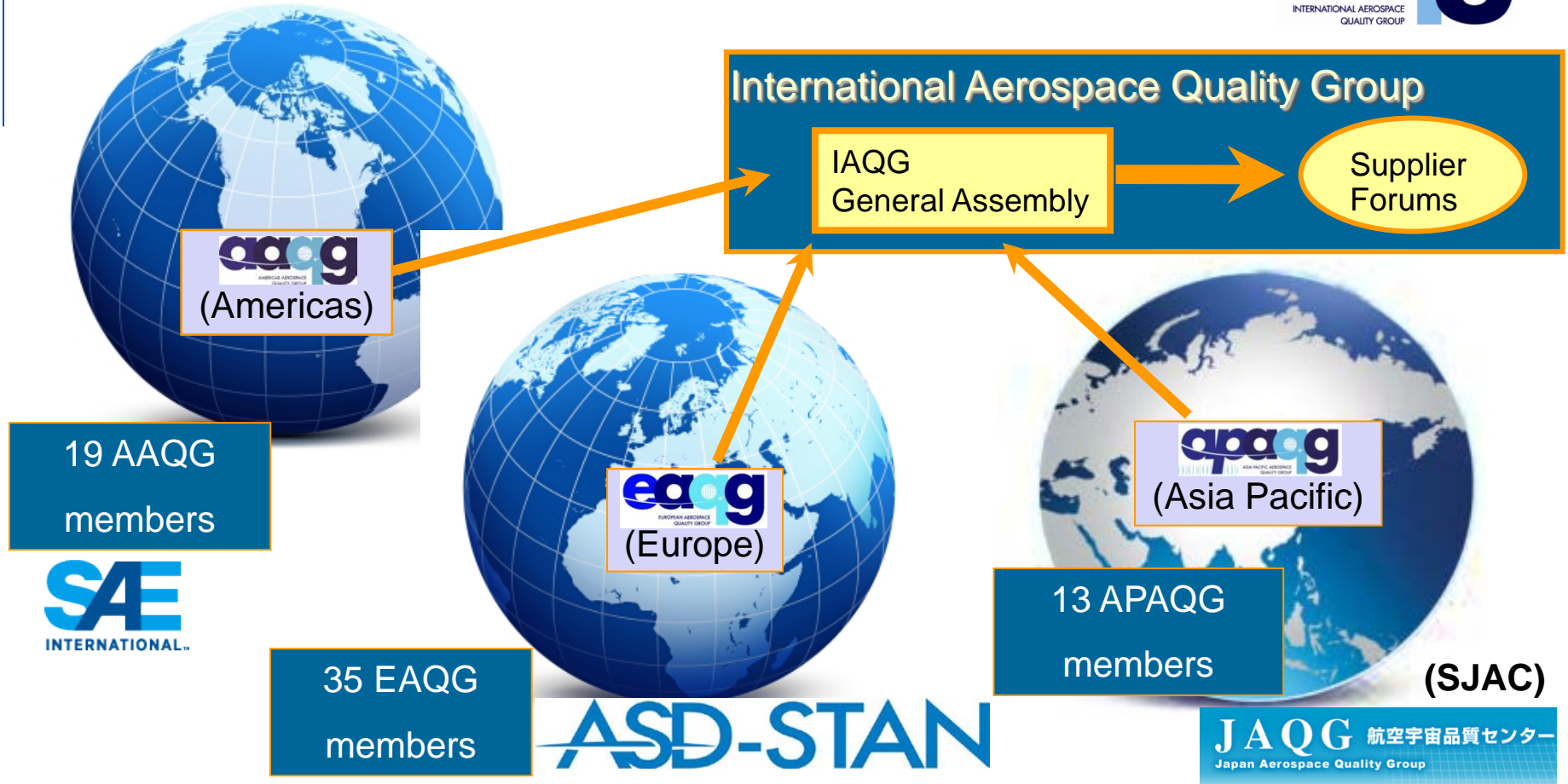
### CEN-CENELEC

CCMC + 33 National Members (National Standards Organizations)

Process:

- 1 receipt and approval of New Work Proposal
- 2 standard development
- 3 ballot, comments, comments disposition
- 4 prEN publication
- 5 transformation prEN to EN for subsequent national publication

- **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 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"  
Functions**

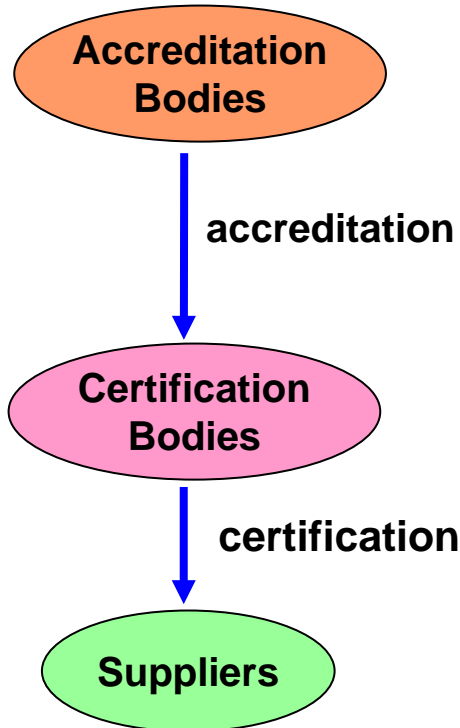


**regional support towards standards development and implementation**

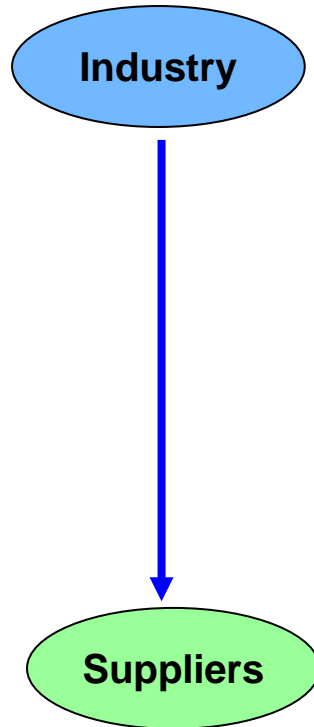
**ASD-STAN acts as IAQG Standardization Management Leader, coordinating all processes for IAQG Quality Standards development**

## “traditional” scheme

3rd party  
Certification  
for ISO 9001

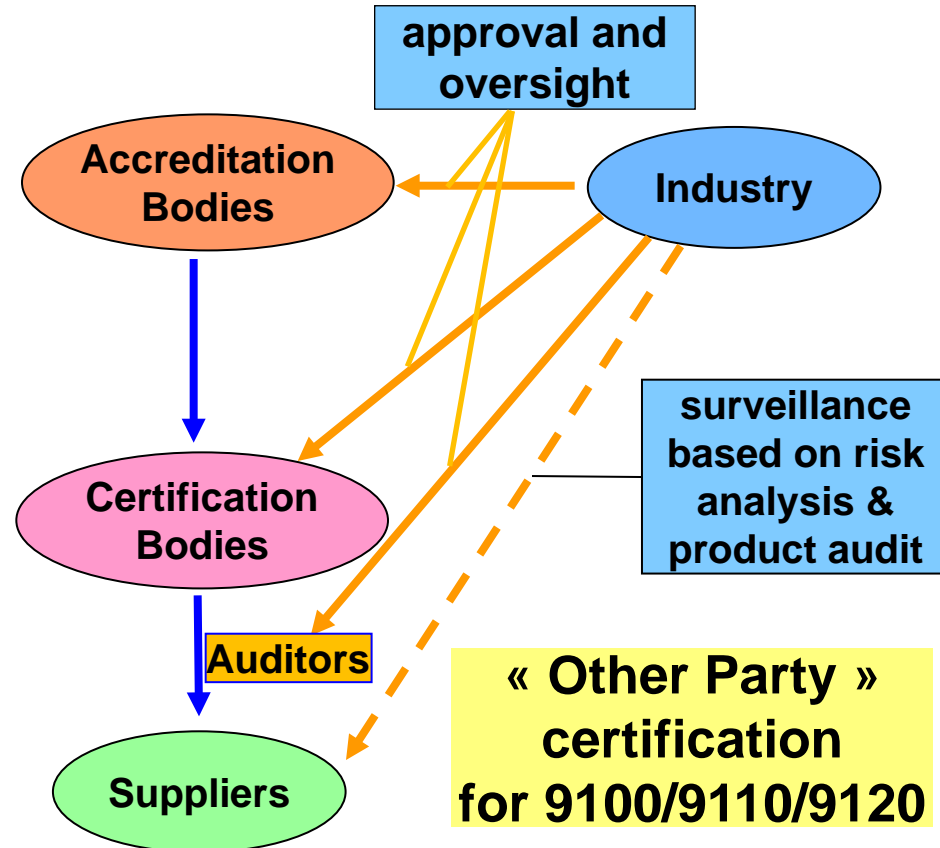


2nd party  
audits



## IAQG ICOP Industry Controlled Other Party scheme

### “ICOP” scheme



Registration of Certificates in OASIS data base  
[www.sae.org/oasis](http://www.sae.org/oasis)

**ASD-STAN, Industrial Standardization Organization recognized by CEN**

- **develops Standards for Aerospace & Defence products**
- **cooperates with European and International Standardization Organizations**
- **coordinates the worldwide processes for Aerospace & Defence Quality Standards development**
- **cooperates in respect of application of civil standards in defence environment (EDA EDSTAR)**



## Dr.-Ing. Andreas K. Jain

### Director ASD-STAN

Phone: +49 2203 601 2954

Mobile: +49 172 23 44 280

Email: [andreas.jain@asd-europe.org](mailto:andreas.jain@asd-europe.org)

Web: [www.asd-stan.org](http://www.asd-stan.org)

ASD-STAN Standardization  
10 rue Montoyer, 1000 Brussels, Belgium