



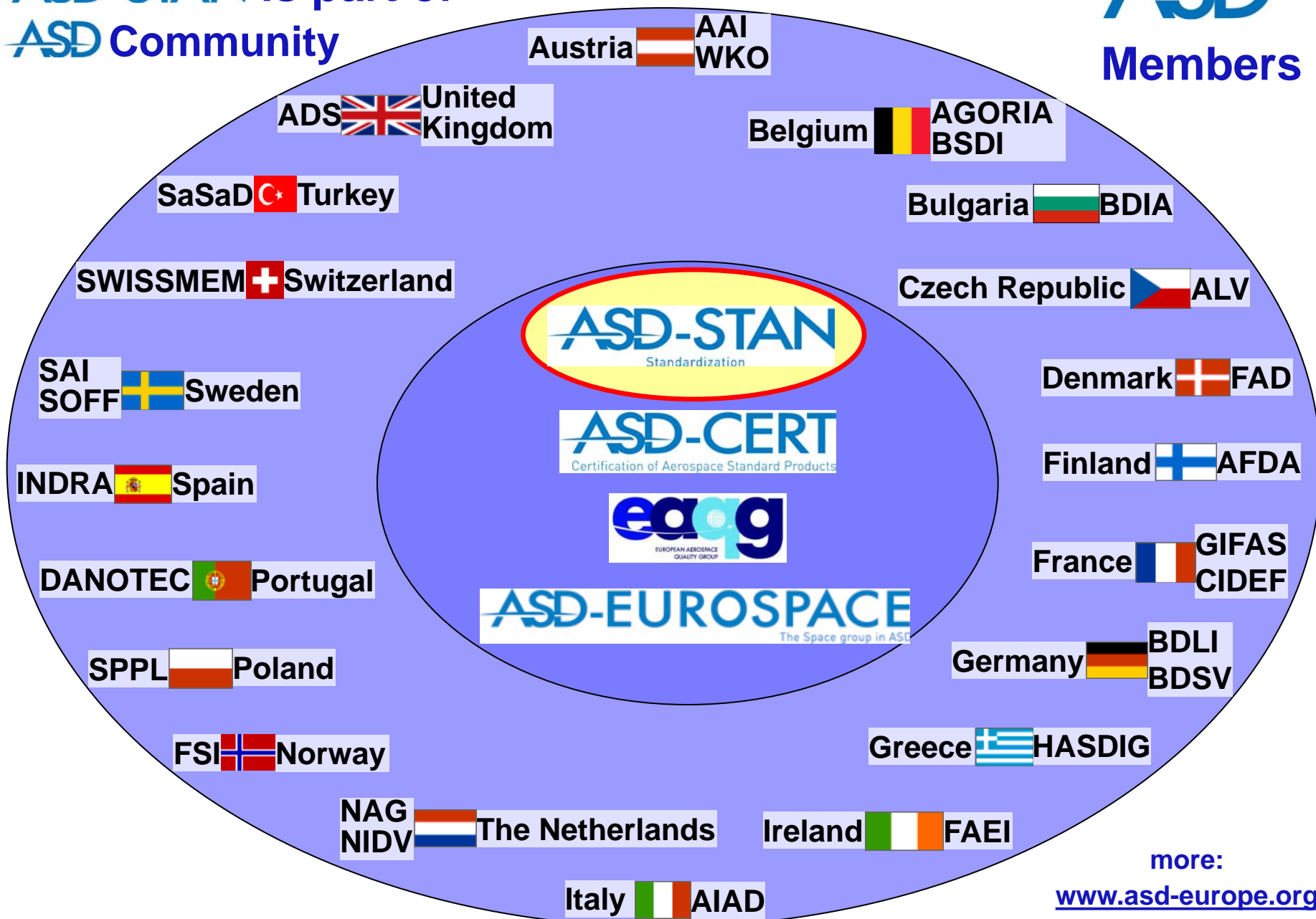
ASD-STAN

European Standards for Aerospace & Defence

Andreas K. Jain
ASD-STAN
July 2017

ASD-STAN is part of ASD Community

ASD
Members



more:
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**)



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 ...

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ASD-STAN Board representation

ASD-STAN voting Board Members:

- Séverin Drogoul (Chairman), Airbus Group (G.I.F.A.S. France)
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- Boris Quase, Airbus Germany (DIN Germany)
- Heinrich Hackmann, Airbus Space and Defence (DIN Germany)
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Treasurer

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

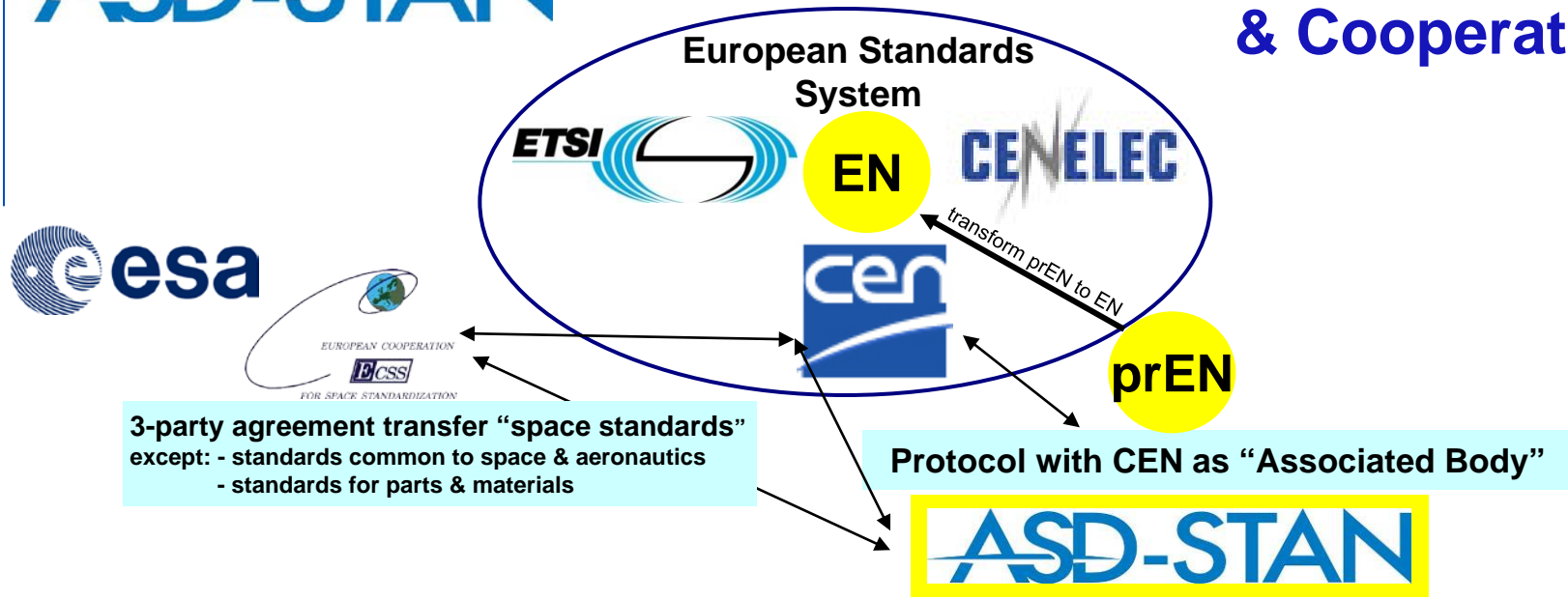
Representatives

- 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



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 PSSG & STEMG
 training on ASD-STE100 Simplified Technical English
MoU with Italian UNINETTUNO University

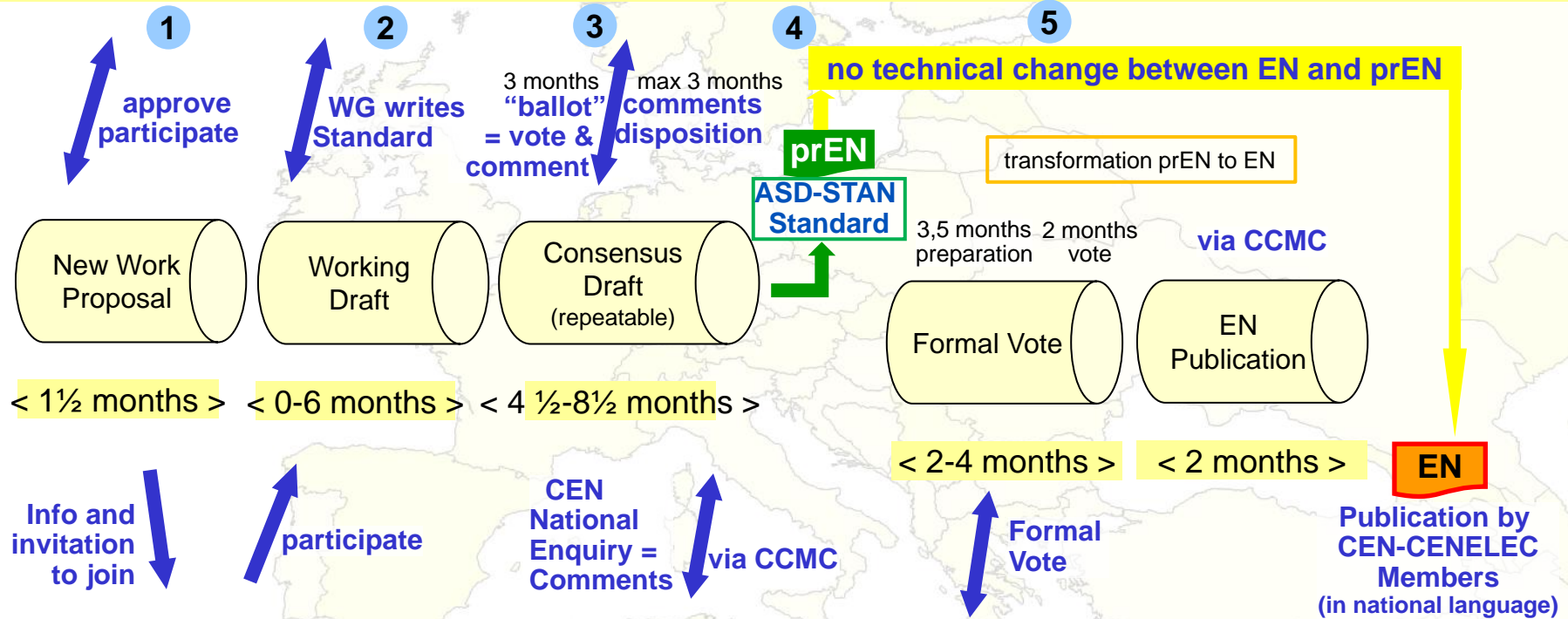
Space

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 + 34 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**

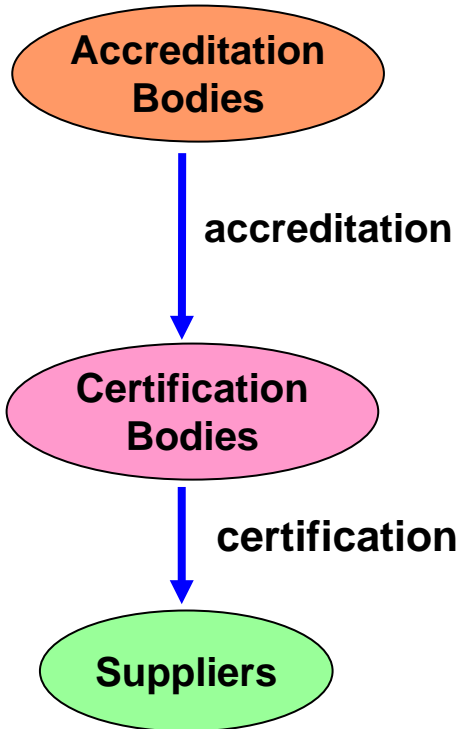


regional support towards standards development and implementation

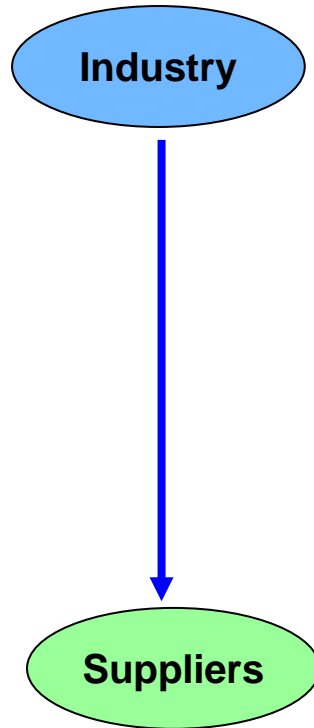
ASD-STAN acts as IAQG Standardization Management Leader, coordinating all processes for IAQG Quality Standards development

“traditional” scheme

3rd party
Certification
for ISO 9001

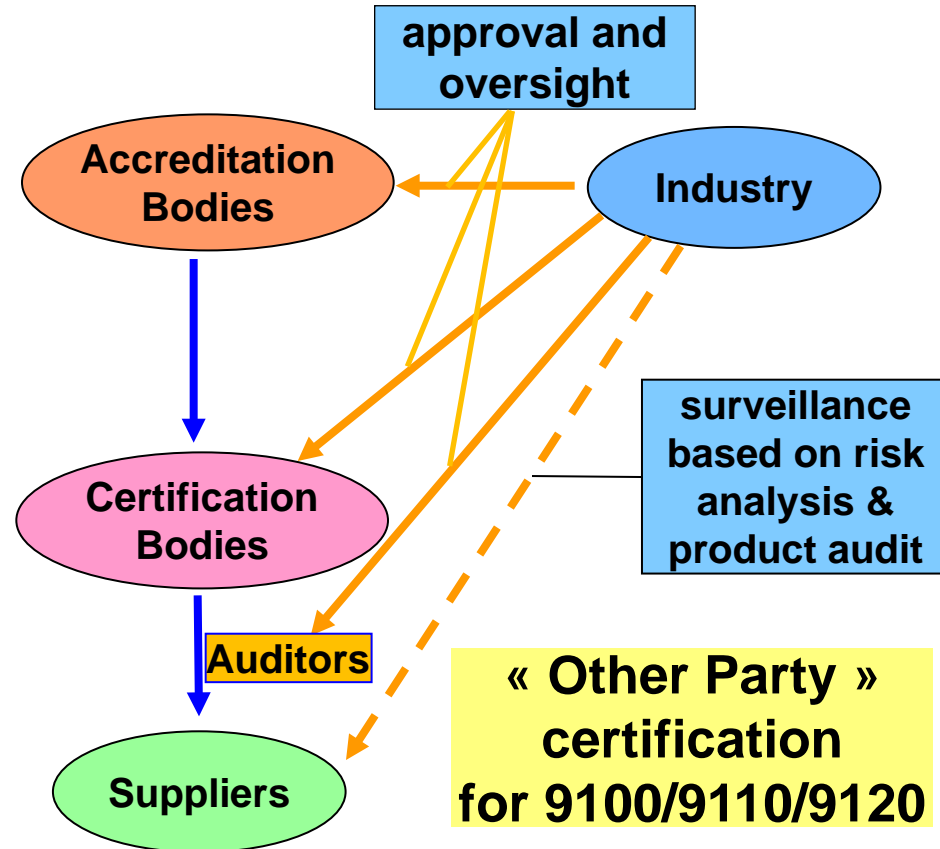


2nd party
audits



IAQG ICOP Industry Controlled Other Party scheme

“ICOP” scheme



Registration of Certificates in OASIS data base
www.sae.org/oasis

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)**

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