



EUROCAE

The European Organisation for Civil Aviation Equipment

Community Specifications from a EUROCAE perspective

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- EUROCAE
- Our role in the CS development process
- Past experience
- Future perspectives



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EUROCAE – dedicated to aviation standardisation

- Created in 1963
- Objective: to develop technical standards in support of the (mainly civil) aviation community
- Today: more than 100 members from over 20 countries
 - Manufacturers, ANSPs, Regulators, Airlines
 - EUROCONTROL, SESAR JU, ESA
 - Specific relations with:
 - EASA, FAA
 - RTCA, SAE, ARINC, ESOs
 - ICAO
- EUROCAE standards are used as means of compliance to regulation of CNS and ATM equipments and applications and for the certification of avionics ⁴



EUROCAE – The organisation

EUROCAE provides

- a forum for its members and partners, from across all aviation stakeholders, to work together to achieve an effective standardization framework in Europe and beyond;
- a proven mechanism for the development of required aviation technical standards, guidance material and associated documents;

EUROCAE

- gathers the competencies of manufacturers, aviation regulators, service providers, airlines, airports and other users
- is recognised by most of the European aviation organisations as the competent standardization body to deal with
 - its US partners (i.e. RTCA, SAE Aerospace) and the FAA
 - the ICAO
 - other national aviation bodies showing particular interest in aeronautics (i.e. Russia, China, Japan...)

EUROCAE – Recognised expertise

EUROCAE is recognised by ...

- the European Commission under Article 4.1.a) of the SES Interoperability Regulation EC/552/2004 as the right body to collaborate with the ESOs in the preparation of European Standards
- the EASA as a major European stakeholder in the development of technical documents regarding Aviation safety (i.e. ETSO)
- the FAA as having the right expertise to collaborate, when appropriate, with US organizations (RTCA, SAE, ARINC) in the development of specific standards related to Aviation
- the ICAO, which references EUROCAE Documents (Eds) and has retained EUROCAE as the main European standardisation body
 - EUROCAE participates in the ICAO's initiative of Aviation System Block Upgrades in the "Technical Team"
 - EUROCAE – ICAO Agreement (signed 2009) covering the exchange of documents

EUROCAE – Main areas of activities

EUROCAE Working Groups

- currently 28 active WGs
- include more than 1400 experts, from all over the world, specialised in one or several aeronautic domains and working on a voluntary basis

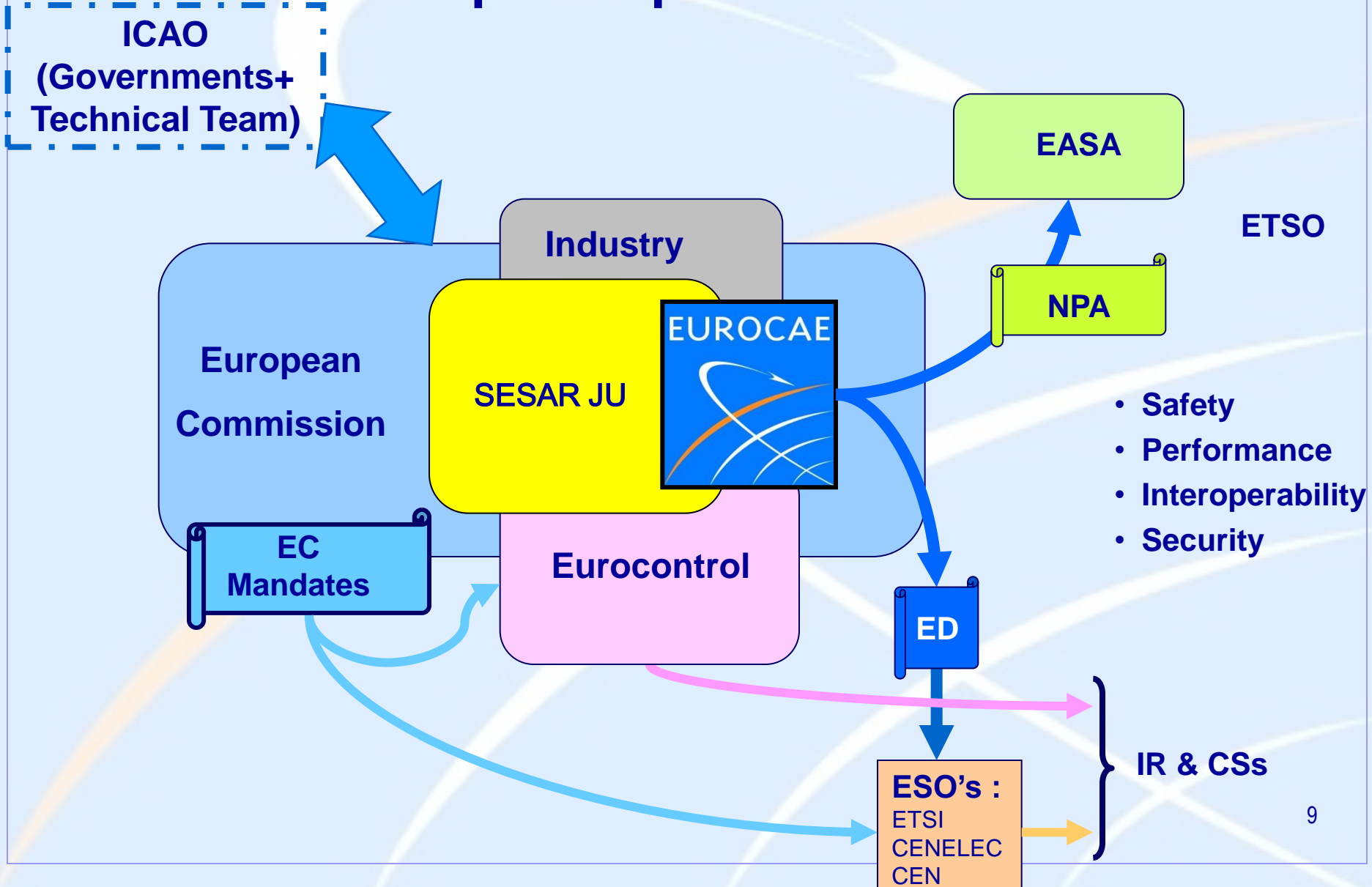
Main areas of activities:

- CNS ATM
- Airborne systems and equipments
- Environment and multi-domain applications
- Close link to SESAR and NextGen activities

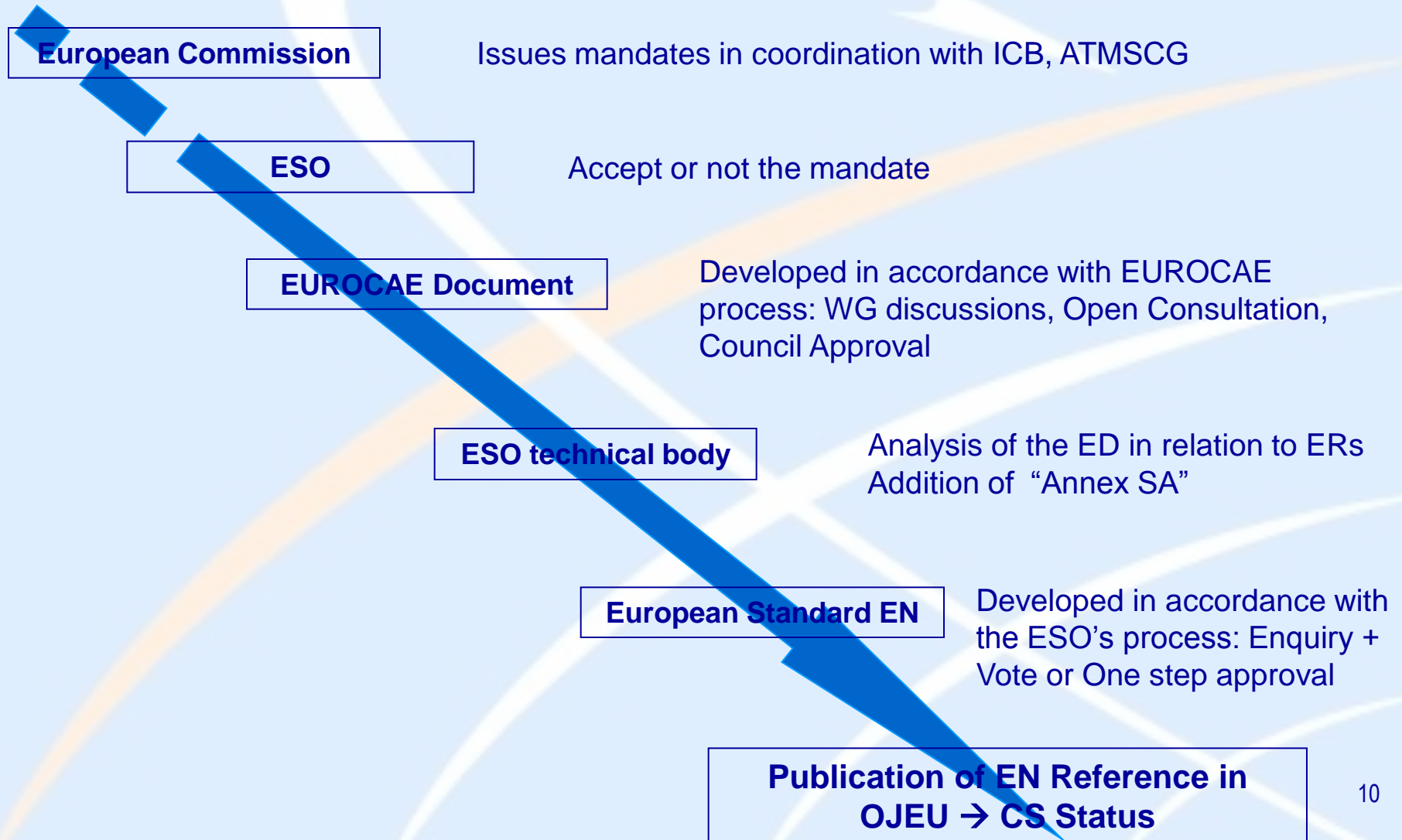
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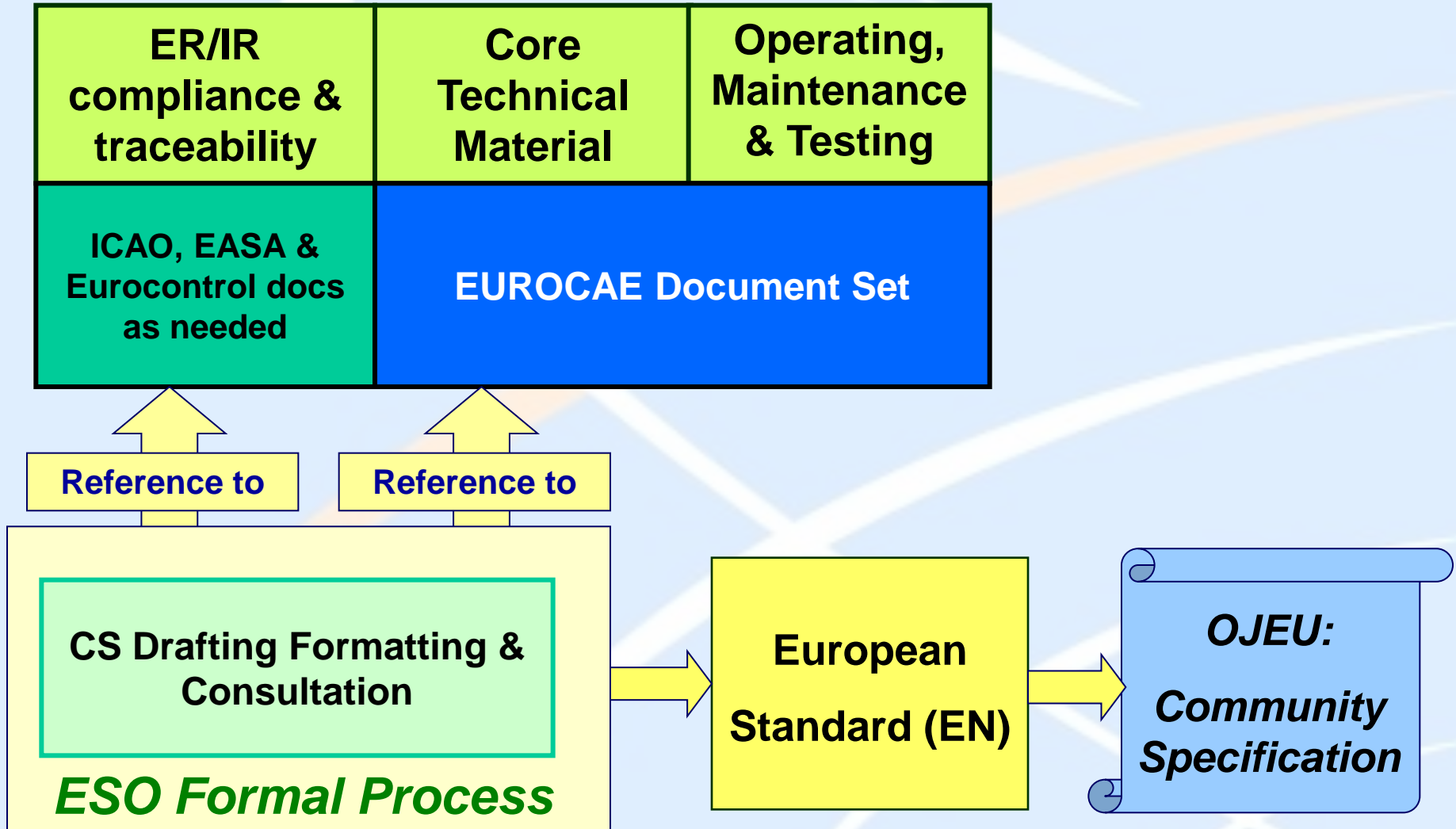
EUROCAE's role in the CS development process – the context



EUROCAE's role in the CS development process – the context



Community Specifications – Elements and Process





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Community Specifications – a EUROCAE perspective on past experience

- Lengthy process to set up all the necessary structures and agreements
- Quite a different way of working for all of the involved organisations
- Challenge: Bridge the gap between different constituencies of the involved organisations
- Stakeholder buy-in and participation in relevant WGs
- Crucial role of the ATMSCG
 - In bringing all partners together:
 - Overview, discuss and coordinate at a strategic level
 - Foster communication amongst the participating organisations
 - Facilitate the production of the required Community Specifications
 - In advising the ICB and Interoperability Sub-Group on standardization matters through regular reporting

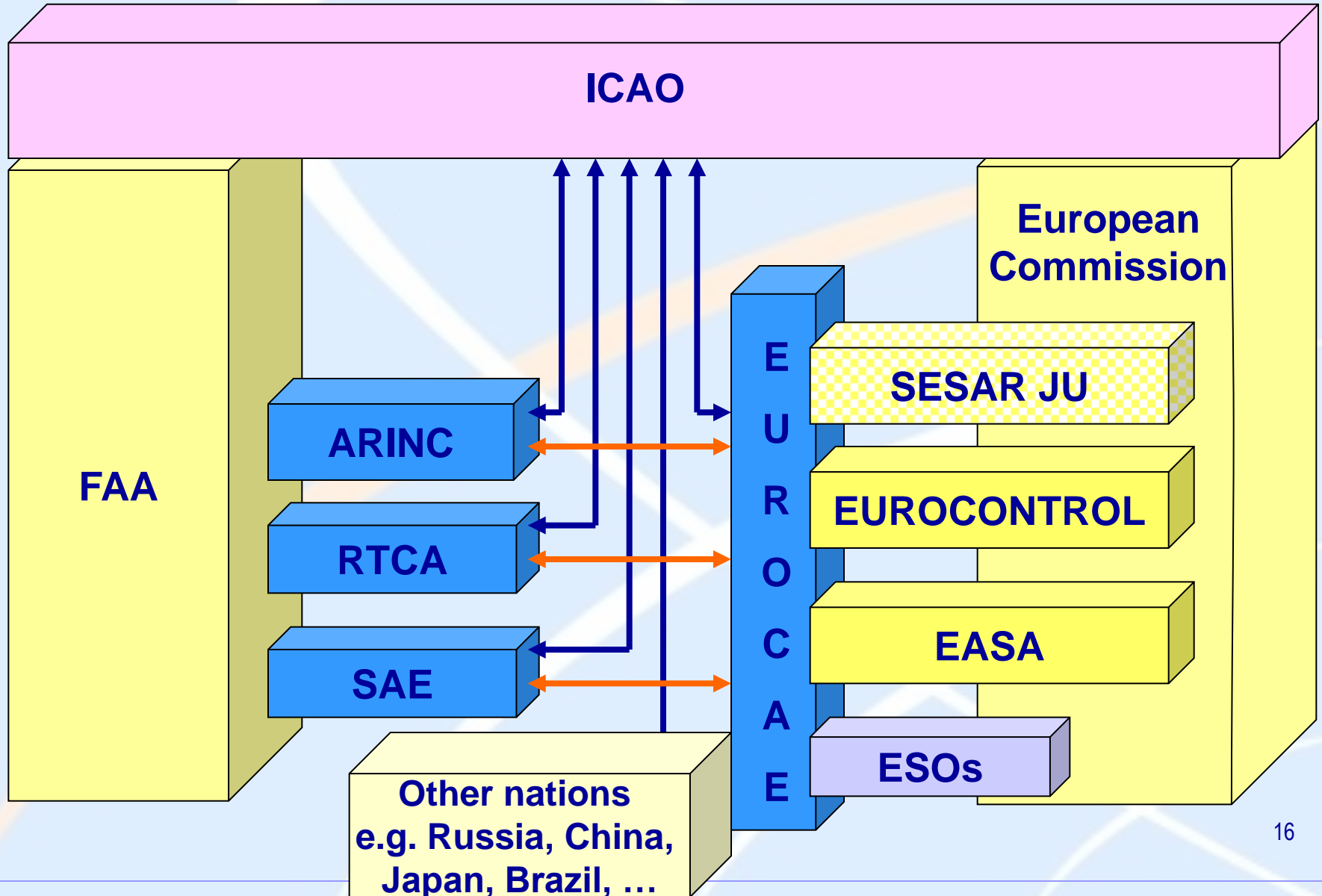


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Community Specifications – a EUROCAE perspective on the future

- Foster and develop cooperations
- Need for mandates for Community Specifications
- Issues remain to be solved:
 - Discrepancies in technical understandings between EUROCAE WG and ESO technical body – what to do in case of blocking comments?
 - International cooperation
 - EUROCAE: RTCA, SAE, ARINC
 - ESOs: ISO, IEC, ITU-T
- Role of ATMSCG
 - In the context of the SJU and SESAR Deployment
 - In the context of developments at worldwide level

A EUROCAE perspective on the future – A global standardization environment





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