



Federal Supervisory Authority
for Air Navigation Services

German Federal Supervisory Authority for Air Navigation Services

Bodo Heinzl

**Workshop on conformity assessment (CA) of
ATM/ANS systems and constituents**

Vision for CA

31 October 2019, Cologne



Provisions foreseen by reg. 2018/1139

- *“organisations involved in the design, production or maintenance of ATM/ANS systems and ATM/ANS constituents, may be required,, to: ... (b) hold a **certificate**.”* (art. 42)
- *“... ATM/ANS systems and ATM/ANS constituents shall be subject to certification and shall be issued with a certificate.”* (art. 45)
 - **certification of manufacturers and ANSPs** (if applicable delegated acts exist / art. 47)



Vision for CA - I

Systems & Constituents:

- Any equipment used for ATM/ANS service provision should be covered by EATMN.

DoV/TF:

- Streamline DoV/TF with regard general descriptions, but more emphasis on testing activities with possible impact on IOP
- the exact components of systems should be specified in detail (e. g. software version)
- Submission of evidences, that external interfaces have been tested and comply with applicable standards.

Technical Standards for Interfaces:

- Elaboration and publication of mandatory Standards essential prior to technical development and before new functionalities become mandatory

NSA oversight

- Oversight of activities and processes for CA (instead of verification of DoV/TF as the final products)

Guidance Material (GM)

- GM desirable to support manufacturers, ANSPs and NSAs on CA



Vision for CA - II

Certification:

- wireless communicating ATM/ANS-equipment
 - e. g. Radios/Transmitters, NAV-Systems, SUR-Systems)
- Certification for products only, not for organisations
- Certification done by NSA or independent technical body/laboratory

Possible advantages:

- Improved level of quality of evidence documentation
- No need for DSU, if a product is certified (?)
- Less effort for ANSPs during integration of certified products in their EATMN
- Ensuring high reliability, availability, accuracy, integrity; no DSU necessary
- Higher confidence in compliance with requirements (reliability, availability, accuracy, integrity) for new technology (e.g. GBAS)
- More available details of structure and design of certified products to be integrated in EATMN

Thank you very much for your attention!

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