



Product certification EASA



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Deputy certification director



- The European Aviation Safety Agency was created in 2002 as the EC aviation safety regulator,
 - EASA is an EU agency,
 - Centralised rulemaking ; drafting of "opinions" for Parliament and council basic regulations, Commission implementing rules,
 - Decentralised enforcement by member States, except when centralisation is more efficient,
 - airworthiness and environmental design approvals, i.e. "certification" are directly performed by EASA.

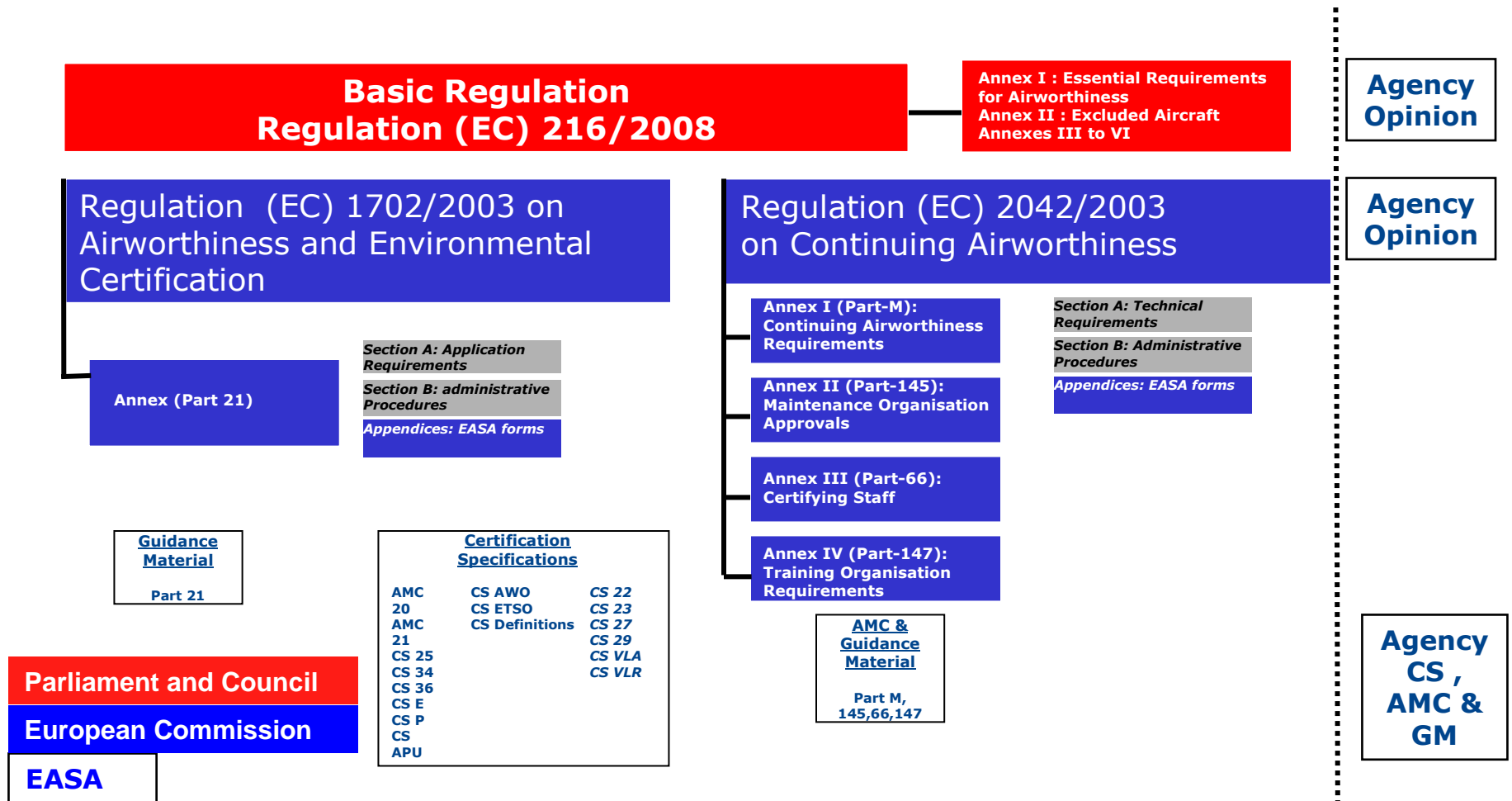


Remits of the Agency (simplified)

	Airworthiness and environment Initial	Airworthiness and environment Continuation and renewals	1 st Ext OPS FCL	2 nd Ext ATM Airports
Rulemaking	Community (EASA)	Community (EASA)	Community (EASA)	Community (EASA)
Implementation	Design approvals and certificates: EASA Other approval and certificates, including individual certificates: NAA	EU: NAA Foreign: EASA	EU: NAA Foreign: EASA	EU: NAA Foreign: EASA

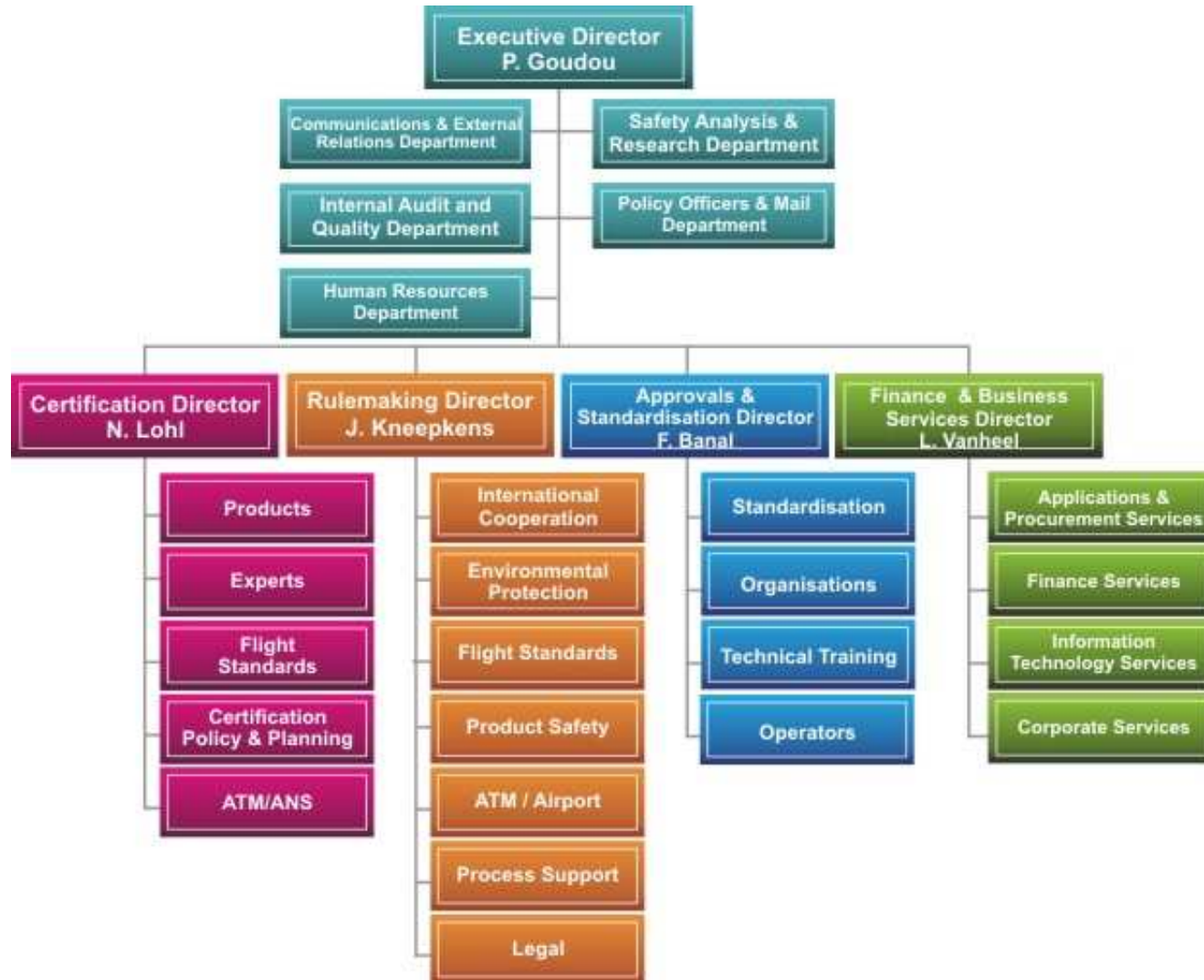


Rules and their levels





Structure of EASA





Product Certification

- Type Certificate (TC)
- Supplemental Type Certificate (STC)
- Approval of minor/major design changes
- Approval of repair data (minor/major repairs)
- Environmental Certification (noise & emissions)
- ETSO-Authorisation for Parts & Appliances
- Other type related approvals (AFM revisions, flight conditions for flight permit, AMOC, etc.)



The DOA Concept

- EU Products
 - Type investigation and compliance demonstration by approved design organisations (DOA)
 - Independent checking function within DOA
 - Monitoring and verification of type investigation process by EASA
- Non-EU Products
 - Recognition of foreign system possible
 - Bilateral Agreements (Treaty)
 - Working Arrangements (Cooperation between Authorities)



Type Design Certification Process

- Main phases
 - Familiarisation and establishment of certification team
 - Establishment of the initial TC basis
 - Certification Specifications (CS-25/23, CS-22, CS-27/29, CS-E etc.)
 - Additional requirements (“Special Conditions”)
 - Deviations
 - Agreement of the Certification Programme
 - Definition of “Technical Involvement”
 - Compliance determination
 - Final report and issuance of the certificate



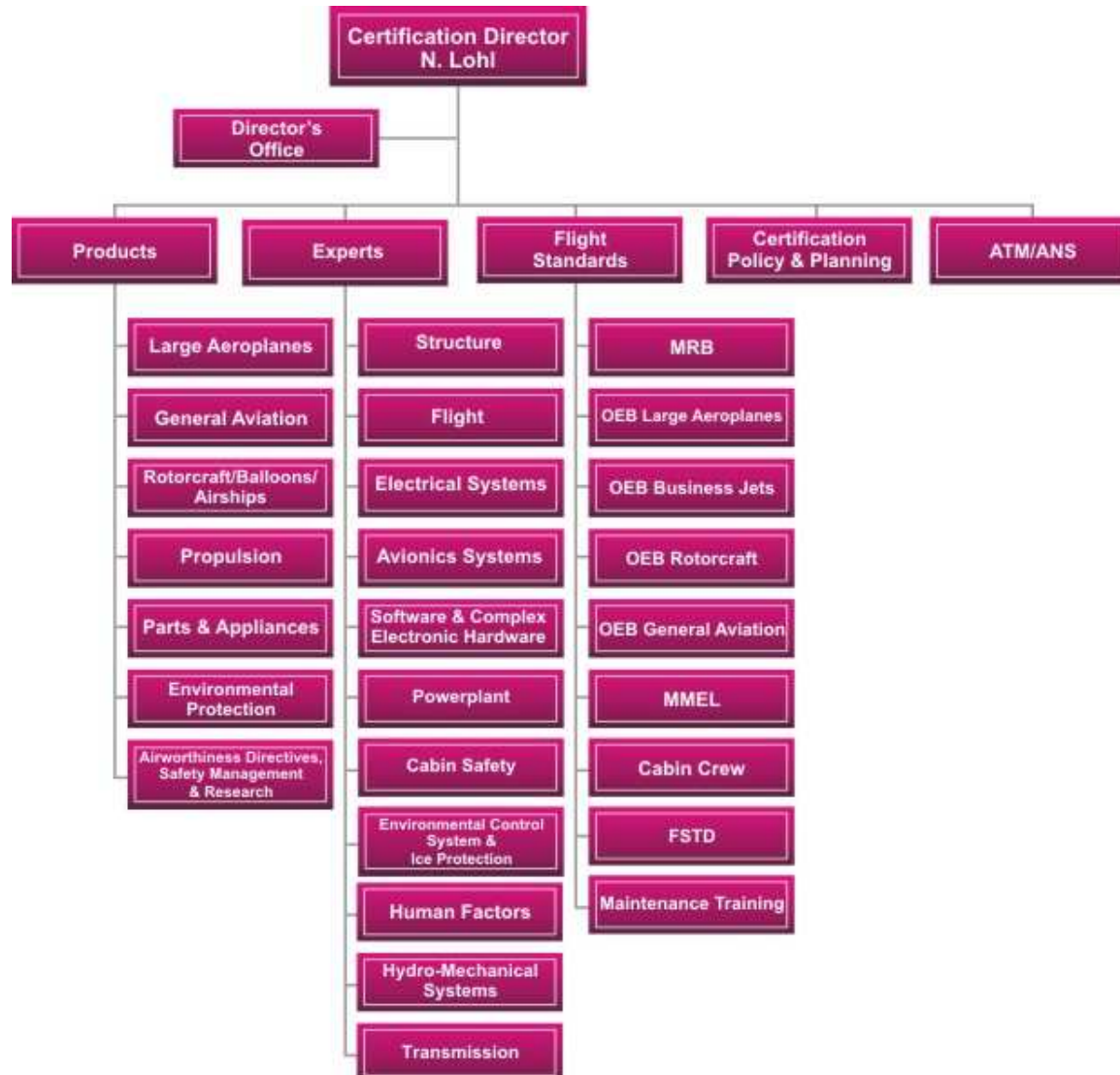
Safety Oversight

- **Continuing Airworthiness Activities**
 - Monitoring of operational performance of approved products
 - Systematic collection and review of data and safety information
 - Airworthiness reviews with responsible design organisation
 - Coordination with NAAs and foreign Authorities
 - Coordination with Design Organisation surveillance team
 - Review of safety recommendations from accident investigators
- **Corrective Actions if necessary**

Airworthiness Directives



Structure of certification directorate





Flight Standards Certification

- Approval of
 - Maintenance Review Board (MRB) Report
 - Master Minimum Equipment List (MMEL)
 - Type Rating training course syllabi for
 - Flight Crew
 - Cabin Crew
 - Maintenance Certifying Staff
 - Flight Synthetic Training Devices (FSTD)
- Corrective actions
- Other services on request from Industry

Operational
Suitability
Data

MRB & OEB Processes

Thanks for listening.
Any questions ?

