



Preparing for the end of the transition period

Introduction to the Design & Certification Team

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CAA



Introduction to the Design & Certification Team

Agenda

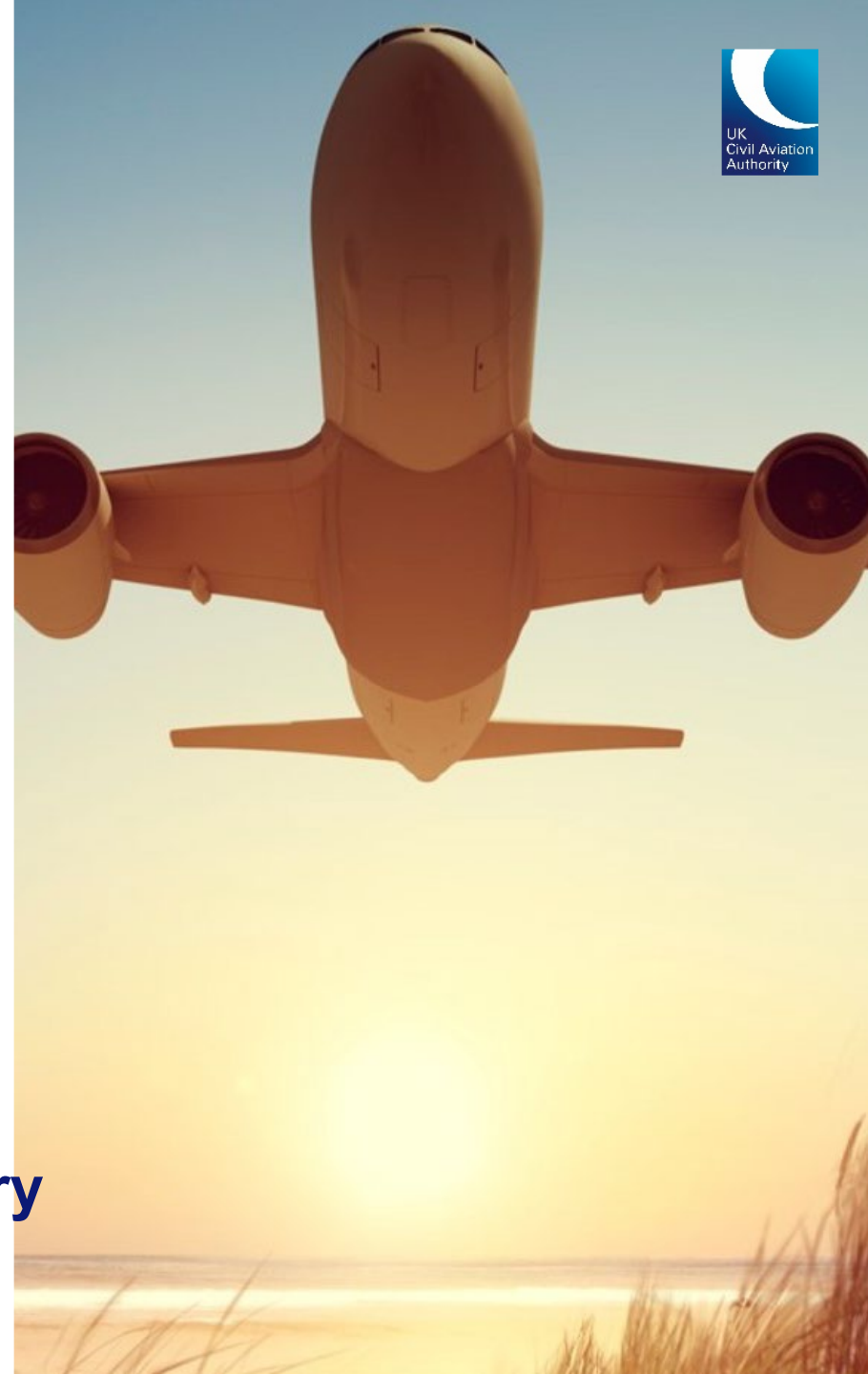
- **Organisational context**
- **CAA Structure**
- **CAA Design and Certification resource**
- **Technical capability**
- **What we will do**
- **Q & A**

CAA Statistics

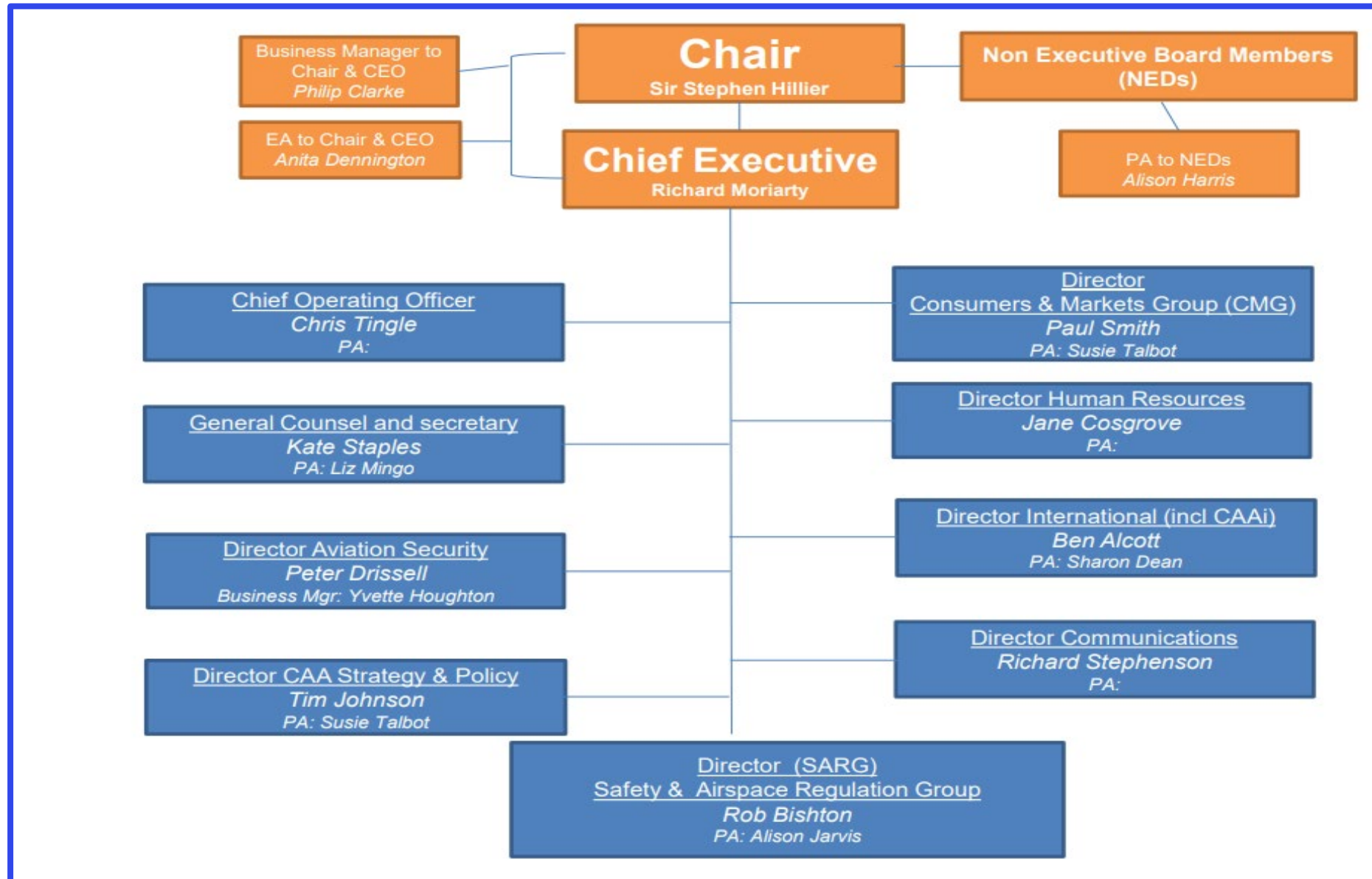
1212 Staff at the CAA, overseeing

- ~ 20k Aircraft
- ~ 34K Pilots
- ~ 11K Engineers
- ~ 100 Commercial Air Transport Operators
- ~ 150 Production Organisations
- ~ 70 Design Organisations
- ~ 450 Maintenance Organisations

Approximately 25% of the European Aviation Industry



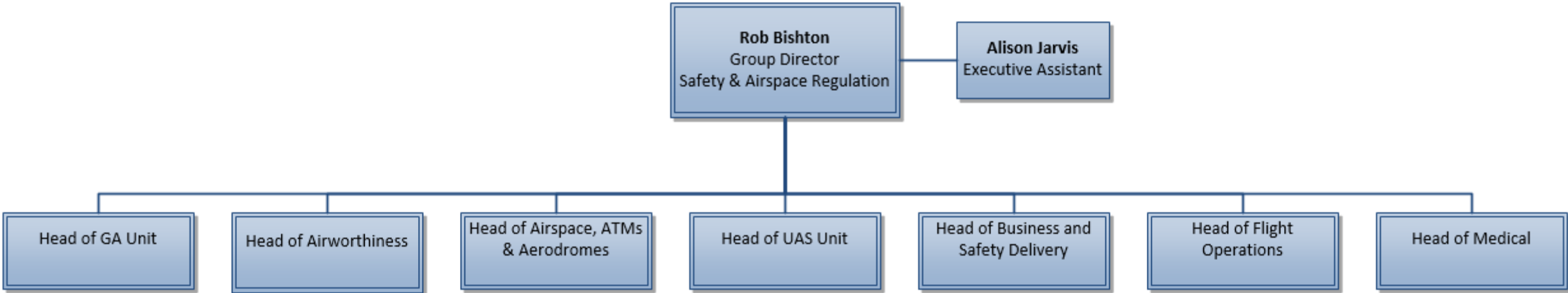
CAA Organogram



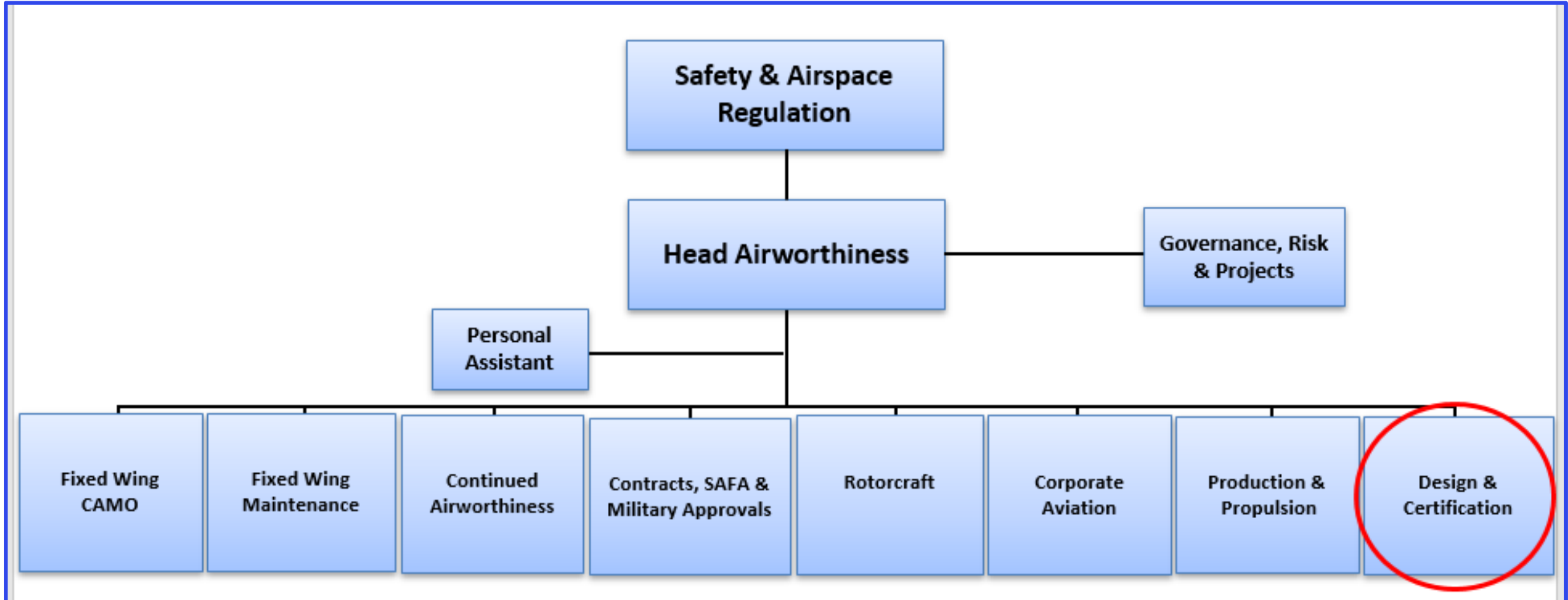
SARG Organogram



Safety & Airspace Regulation
01 January 2021



Organisational Context



Technical Capability

Panel		CAA	TP
Panel 0	PCM		
Panel 1	Flight and Human Factors		
Panel 2	OSD-FC		
Panel 3	Structures		
Panel 4	Hydromechanical Systems		
Panel 5	Electrical Systems		
Panel 6	Avionic Systems		
Panel 7	Powerplant Installation and Fuel Systems		
Panel 8	Environmental Control Systems (ECS)		
Panel 9	Noise, Fuel Venting and Emissions		

Panel		CAA	TP
Panel 10	Software, Airborne Electronic Hardware, Development Assurance (DA)		
Panel 11	Cabin Safety		
Panel 12	Safety Assessment (SA)		
Panel 13	Transmission		
Panel 14	ICA		
Panel 15	OSD-MMEL		
Panel 16	OSD-SIM		
Panel 17	OSD-CC		
Panel 18	OSD-MCS		
Panel 19	Propulsion		

What We Will Do: Initial Airworthiness Approvals

State of Design activities :

- Type Certification
- Continued Operational Safety
- Major Changes/Repairs and STCs
- Minor Changes/Repairs
- Approval of Flight Conditions
- Equipment approval (UKTSO)
- Validation

- **Design Organisation Approvals (UK 21J & A8-21)**
- **Alternative Procedures to DOA (ADOA)**



What We Will Do:

- Engineering Specialist Support
- Engineering Specialist Support for wider CAA Capability Areas and working groups and rulemaking activities
- Unmanned Aircraft Systems
 - Specific
 - Certified
- Innovation
 - New Technology
 - eVTOL
 - Beyond VLOS
 - Future Flight Challenge
 - De-carbonisation
 - Electrification
- Spaceflight
- Military projects

Questions and answers