



Australian Government

Department of Defence
Capability Acquisition and
Sustainment Group

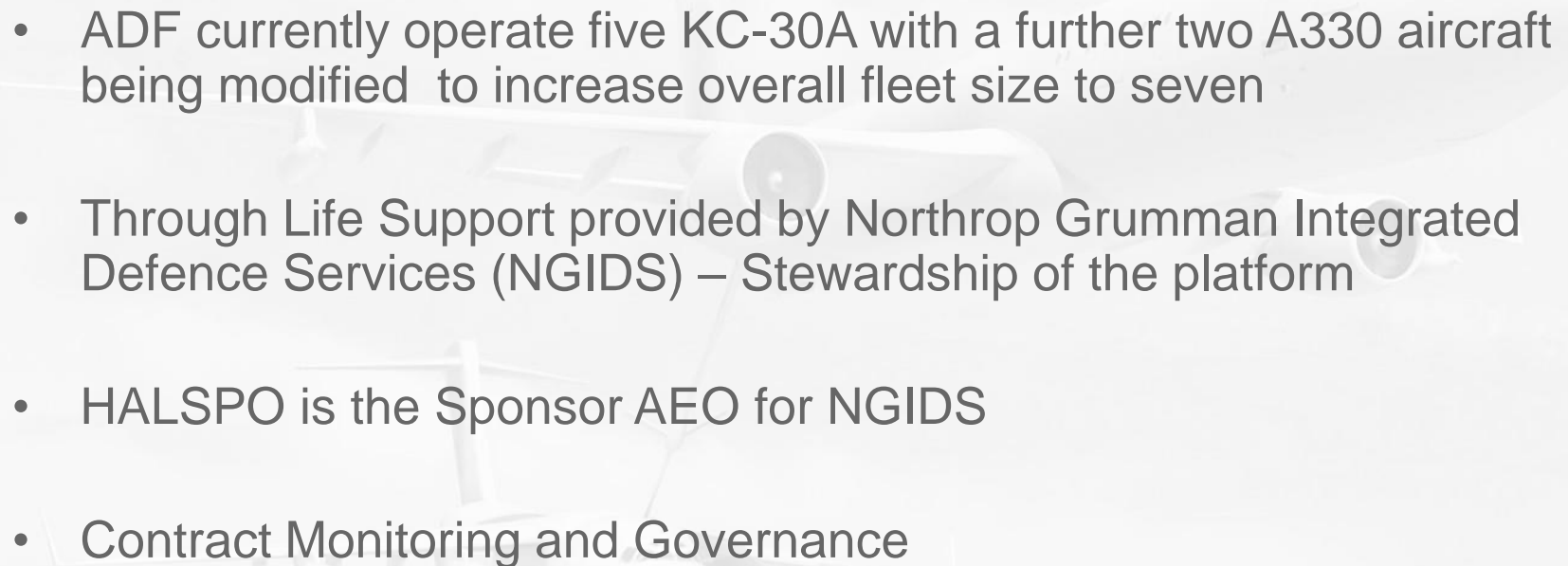
HALSPO - Challenges for Engineering Under First Principles

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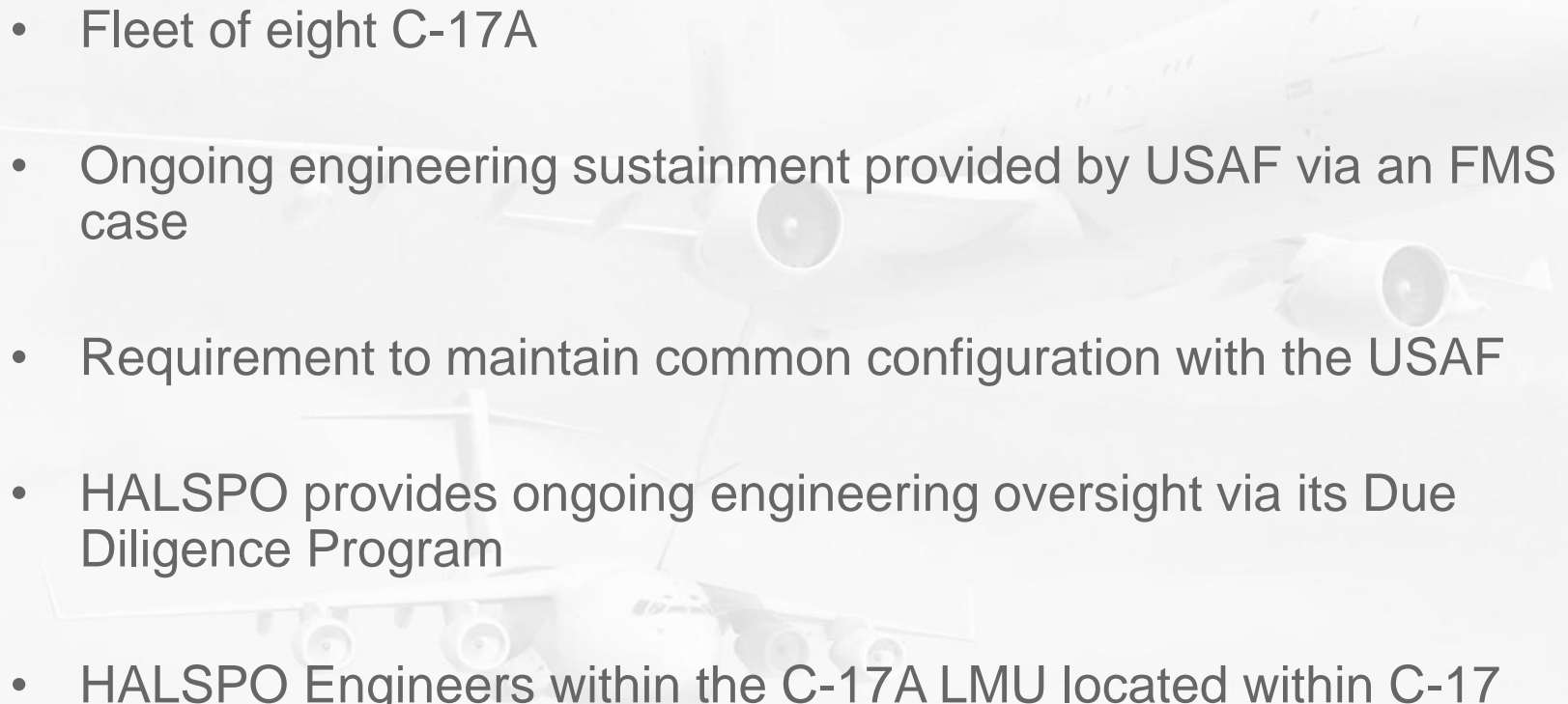
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Current HALSPO Engineering – KC-30A

- ADF currently operate five KC-30A with a further two A330 aircraft being modified to increase overall fleet size to seven
 - Through Life Support provided by Northrop Grumman Integrated Defence Services (NGIDS) – Stewardship of the platform
 - HALSPO is the Sponsor AEO for NGIDS
 - Contract Monitoring and Governance
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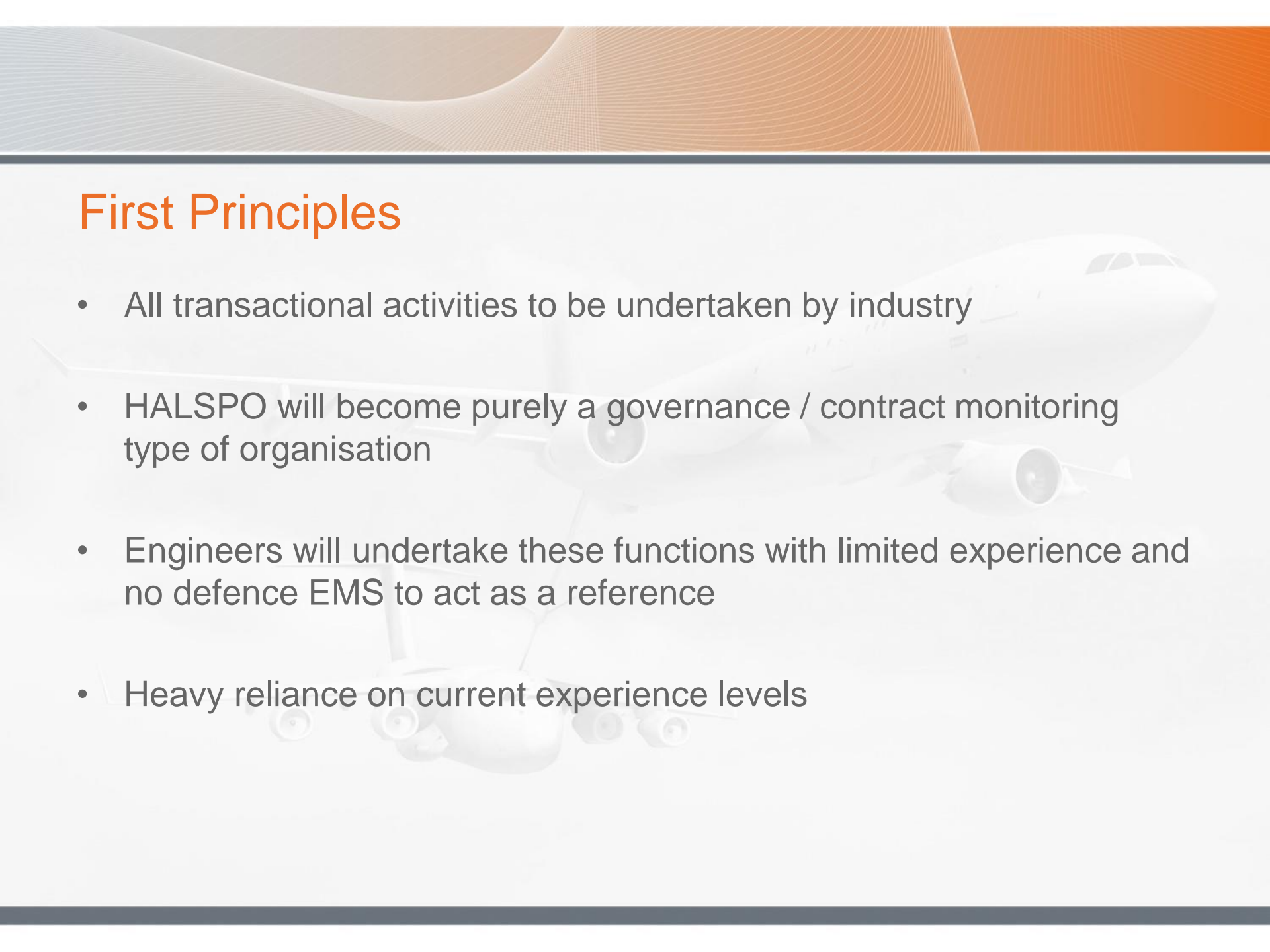
HALSPO Engineering – C-17A

- Fleet of eight C-17A
 - Ongoing engineering sustainment provided by USAF via an FMS case
 - Requirement to maintain common configuration with the USAF
 - HALSPO provides ongoing engineering oversight via its Due Diligence Program
 - HALSPO Engineers within the C-17A LMU located within C-17 Division at Robins AFB Georgia
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HALSPO Current Design Functions

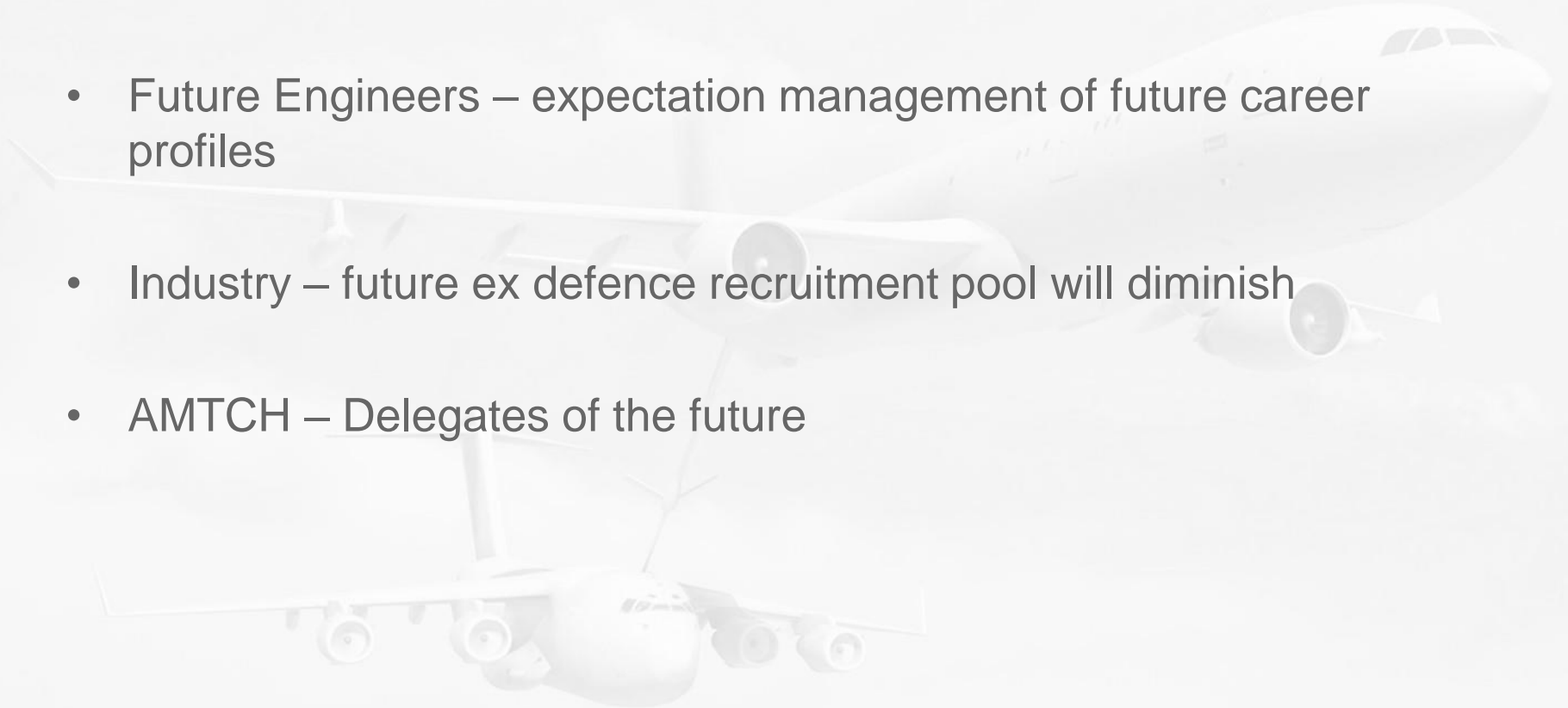
- HALSPO currently does undertake ADF C-17A unique Capability Development design activities:
 - Role Equipment,
 - Aero medical Equipment,
 - Comms Equipment.
 - As a consequence HALSPO maintains a regulatory compliant Engineering Management System
 - Professional Development for engineers to be Design Engineers and Deputy Senior Design Engineers
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First Principles

- All transactional activities to be undertaken by industry
 - HALSPO will become purely a governance / contract monitoring type of organisation
 - Engineers will undertake these functions with limited experience and no defence EMS to act as a reference
 - Heavy reliance on current experience levels
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Flow on Effects

- Future Engineers – expectation management of future career profiles
- Industry – future ex defence recruitment pool will diminish
- AMTCH – Delegates of the future



Way Forward

- Industry to fill the gap
 - Placement of Junior engineers in industry to gain relevant experience
 - Needs to be a formal standardised program – Training Needs Analysis
 - Needs to be included in future contracts
 - CASG Needs to build in extra engineering capacity
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