



# *F-35A Lightning II*

Group Captain Matt McCormack  
Officer Commanding 81 Wing

**AIR FORCE**



## ***81 Wing***

- ☐ 4 Squadrons (2 OCU, 3, 75 & 77 SQN)
- ☐ 63 aircraft (of 72 total)
- ☐ 28 000 flight hours
- ☐ ~1200 personnel (military + industry)
- ☐ New (bespoke) facilities
- ☐ Sovereign training
- ☐ 1<sup>st</sup> Operational Squadron – 2020
- ☐ Full Operational Capability – 2023
- ☐ Regional deep level maintenance facility
- ☐ Off-Board Information Support Centre
- ☐ AUS/UK Reprogramming Laboratory (US)





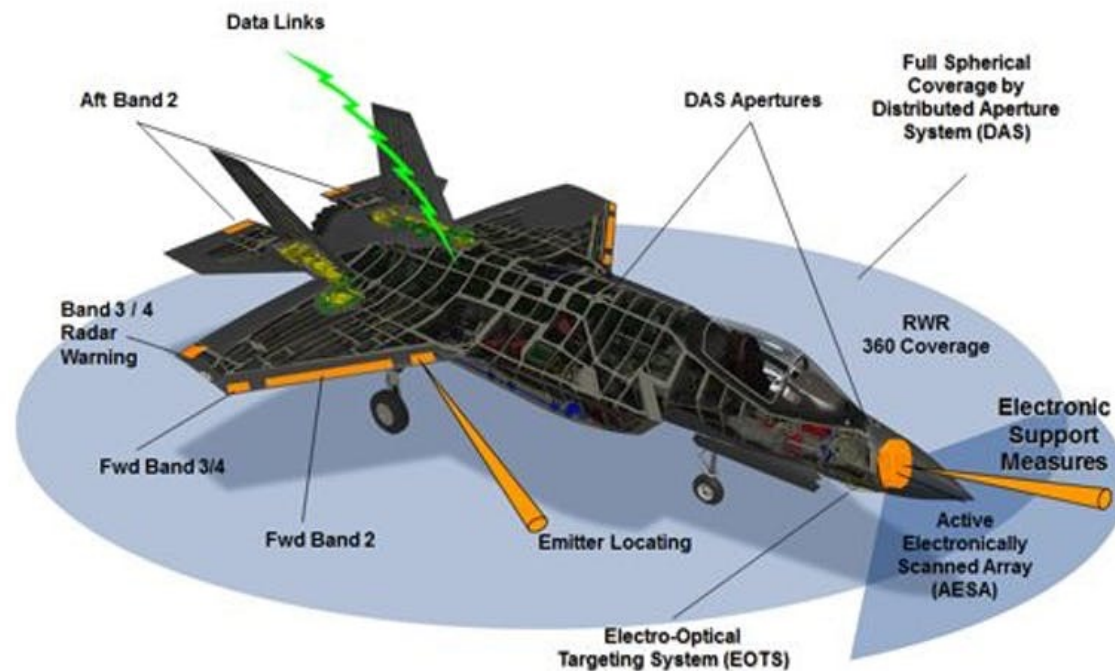
## ***F-35A System Overview***

- ❑ It has a small radar cross section, but that's not all...



# ***Contributors to Situational Awareness***

- ❑ Communication, Navigation and Identification (CNI)
- ❑ Electro-Optical Distributed Aperture System (EODAS)
- ❑ Electro-Optical Targeting System (EOTS)
- ❑ Electronic Warfare Suite (EW)
- ❑ Multi-Function Array (MFA) [AESA RADAR]



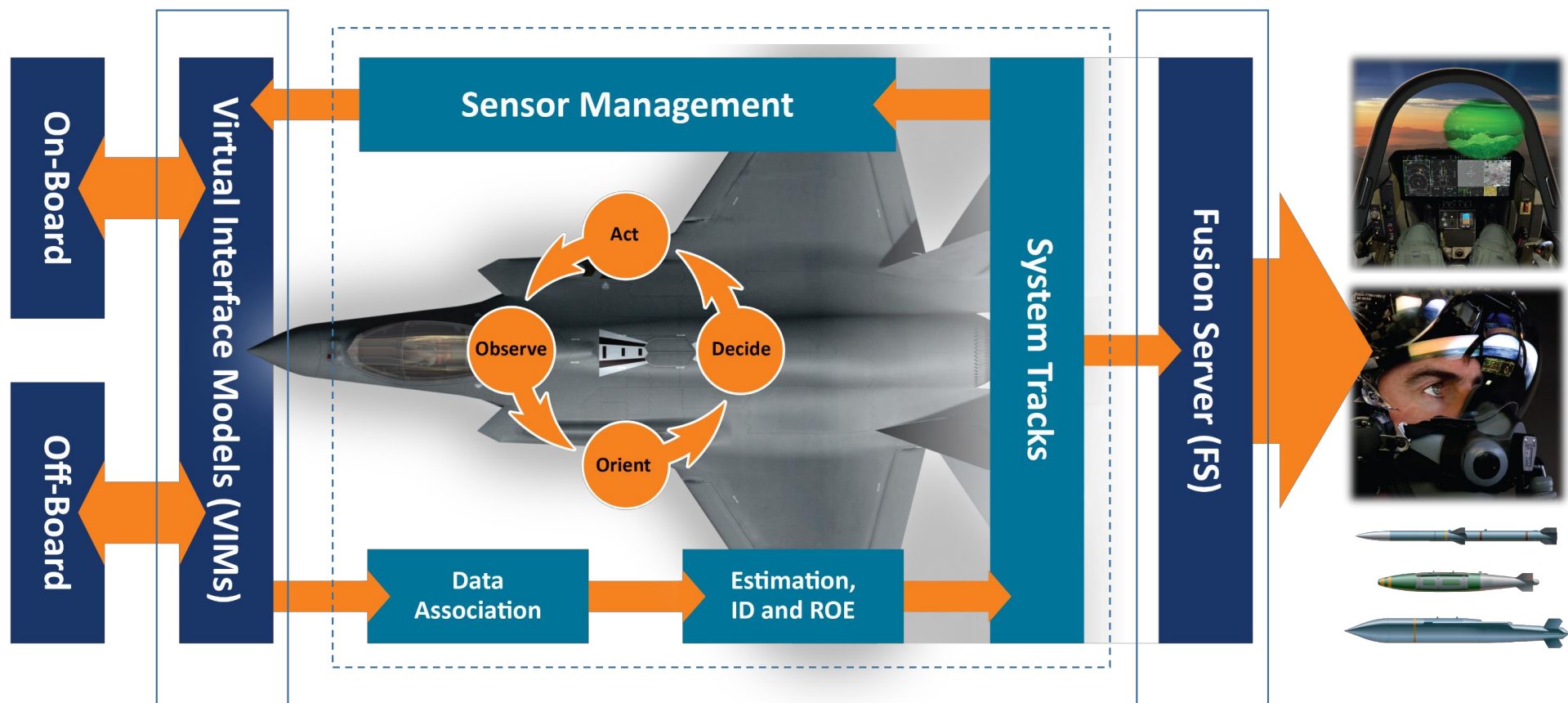


# ***Mission Data Files***





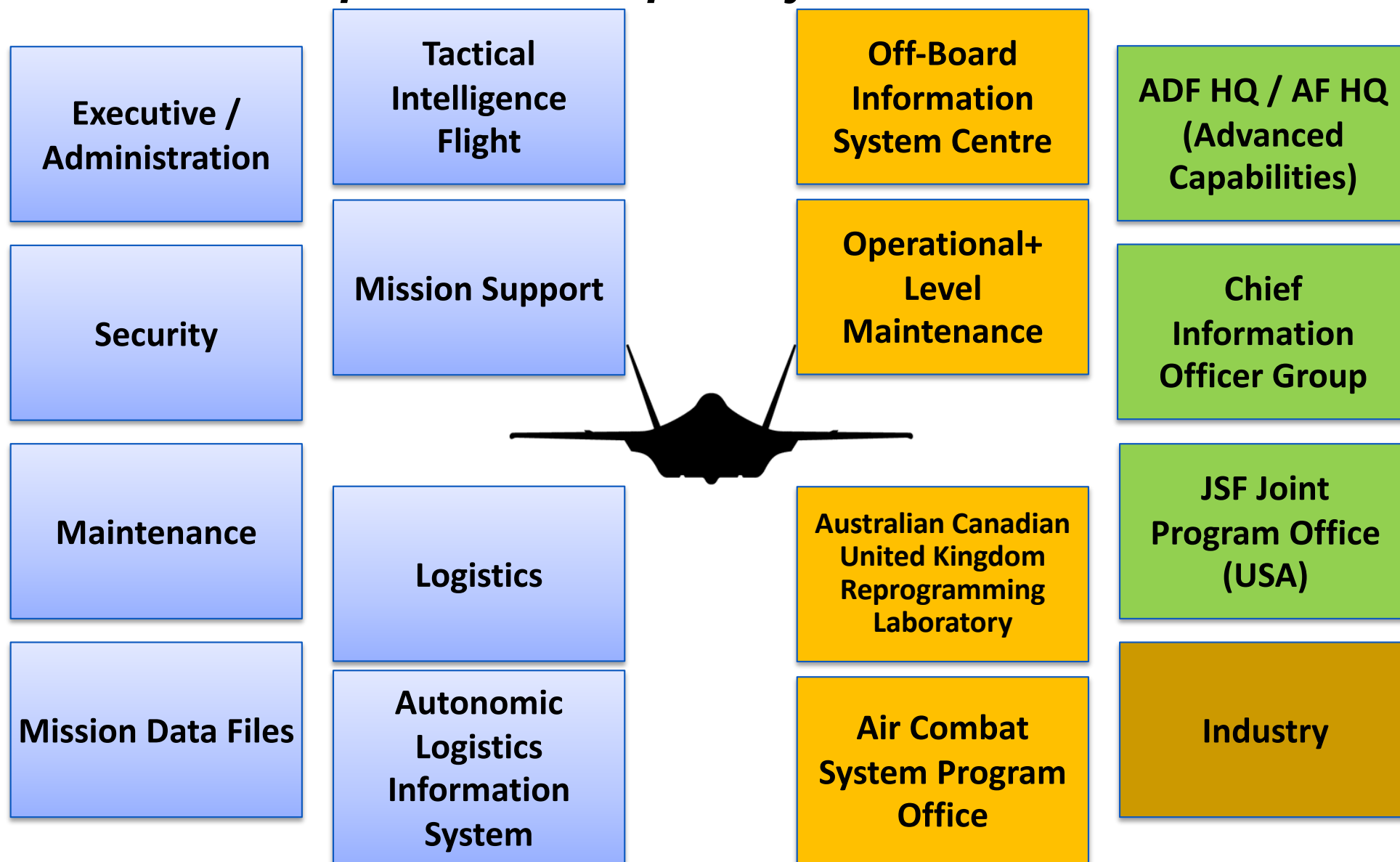
# *Fusion*





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# ***F-35A Interdependent Weapon System***





# Observations

- ☐ Complex ecosystem
- ☐ Growth potential
- ☐ System maturity horizon
- ☐ Workforce
  - Legacy numbers
  - Experience
  - Uniform/Industry teaming
  - National training base
- ☐ Full Operational Capability
- ☐ Inter-operable



# ***Air Warfare Instructor Course***

## ☐ Air Warfare Centre

- Tactics & Training Directorate
  - Environment to train instructors, critical thinkers, platform experts and integrators across the Joint Force

## ☐ Participants

- F-35A (FCI)
- F-18F (FCI)
- EA-18G (GTI)
- E-7A (ACI)
- 41WG (FCC)
- INTEL (ICI)
- C-130 (MTI)
- P-8 (MCI)
- Combat Controllers (CCI)







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