

# Defence Operational Training Capability (Air) (DOTC(A))

## Gladiator



Delivering a paradigm shift in Air's  
approach to Synthetics

# Gladiator

- Distributed (hub and spoke) synthetic Collective Training capability for Air FE
- Defence Modelling and Simulation Coherence (DMaSC)-compliant; ITAR-free, COTS, standards-based system
- High fidelity, secure synthetic environment
- Large WF facilitating trg based on FL requirements
- Agile capability delivery and development process; capability incrementally added from IOC, funding for through-life capability development
- Links to associated UK (JFST, DOTC(M)) and overseas (DMOC, CFBLNet) capabilities
- Enterprise-level approach to licensing, models and data

# The Need for Change

- Clear, top-level requirement to transfer training to synthetic environment
    - ASTRA Direction (esp LSB)
    - Live environment training constraints
    - Mandated reductions in live flying
    - Lack of live Collective Training opportunities
    - Other constraints (cost, environmental)
  - JSP 939 (DMaSC) Direction
- Improved use of the synthetic environment is central to the RAF's enduring ability to generate/maintain FE@R and achieve ASTRA goals

# COVID

- Affected areas
  - Infra construction
  - Software development & system integration
  - Other collaborative activities
- Impacts
  - Delay to infrastructure handover
  - Delay to DCS&S delivery schedule
  - RAF-wide change in ways of working
- Delay to capability delivery and associated cost growth
- Mitigation Strategies
  - Online working
  - Capability prioritisation