



Gladiator Technical Architecture

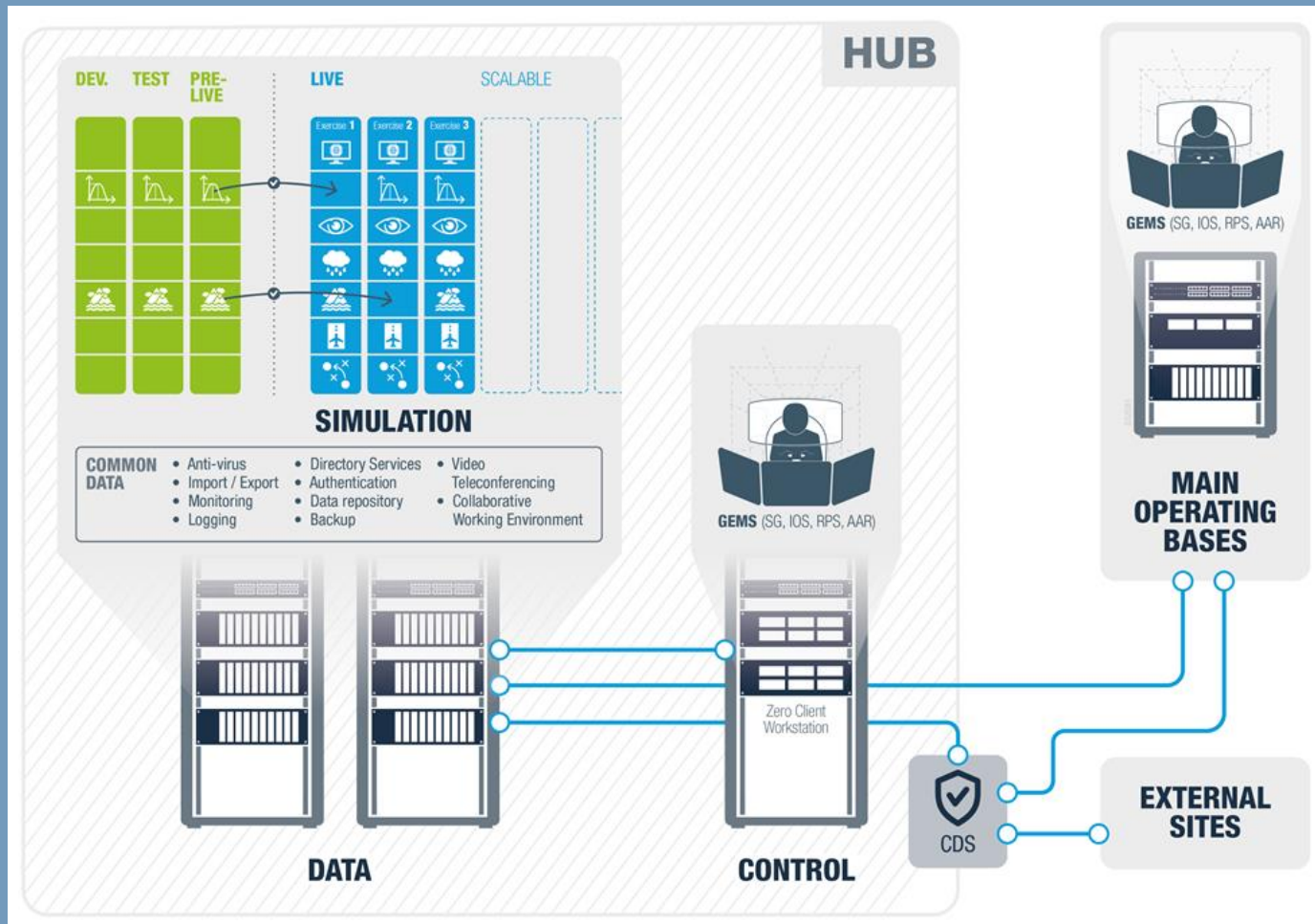
MAK User Forum

26 Nov 23

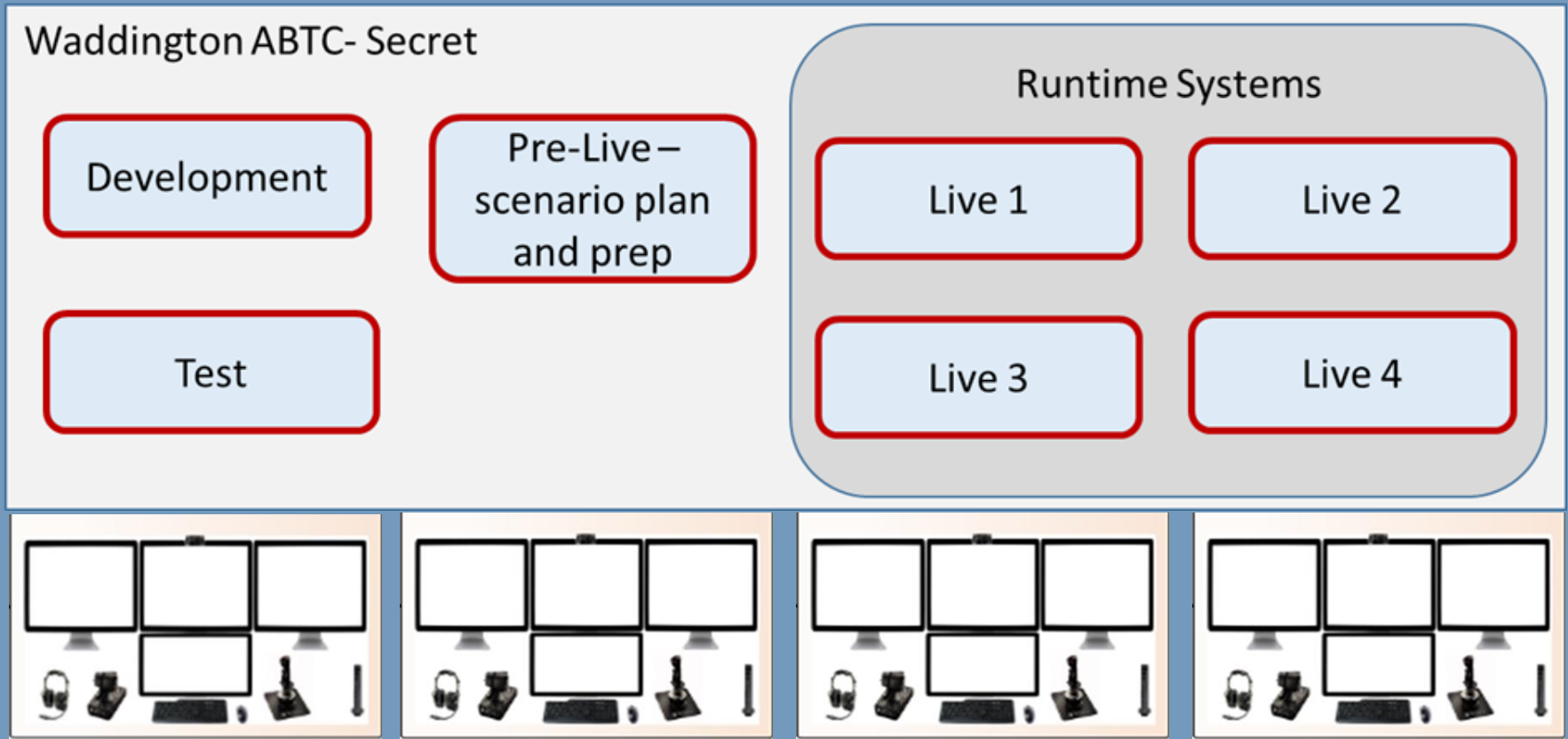
Fred Baxter
Air Capability – NGOT Team
Gladiator Chief Systems Engineer



Gladiator – High Level System Overview

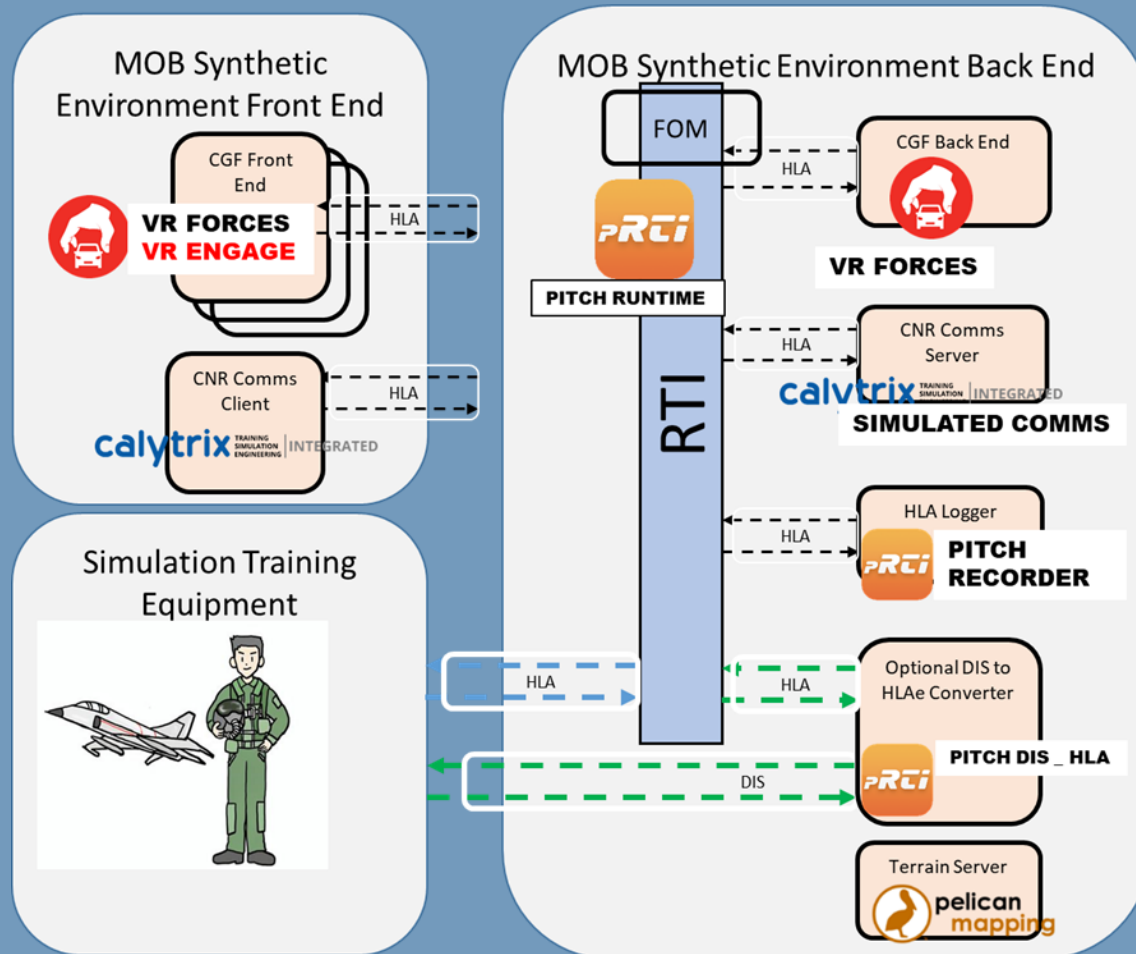


GCS&S Environments & Control

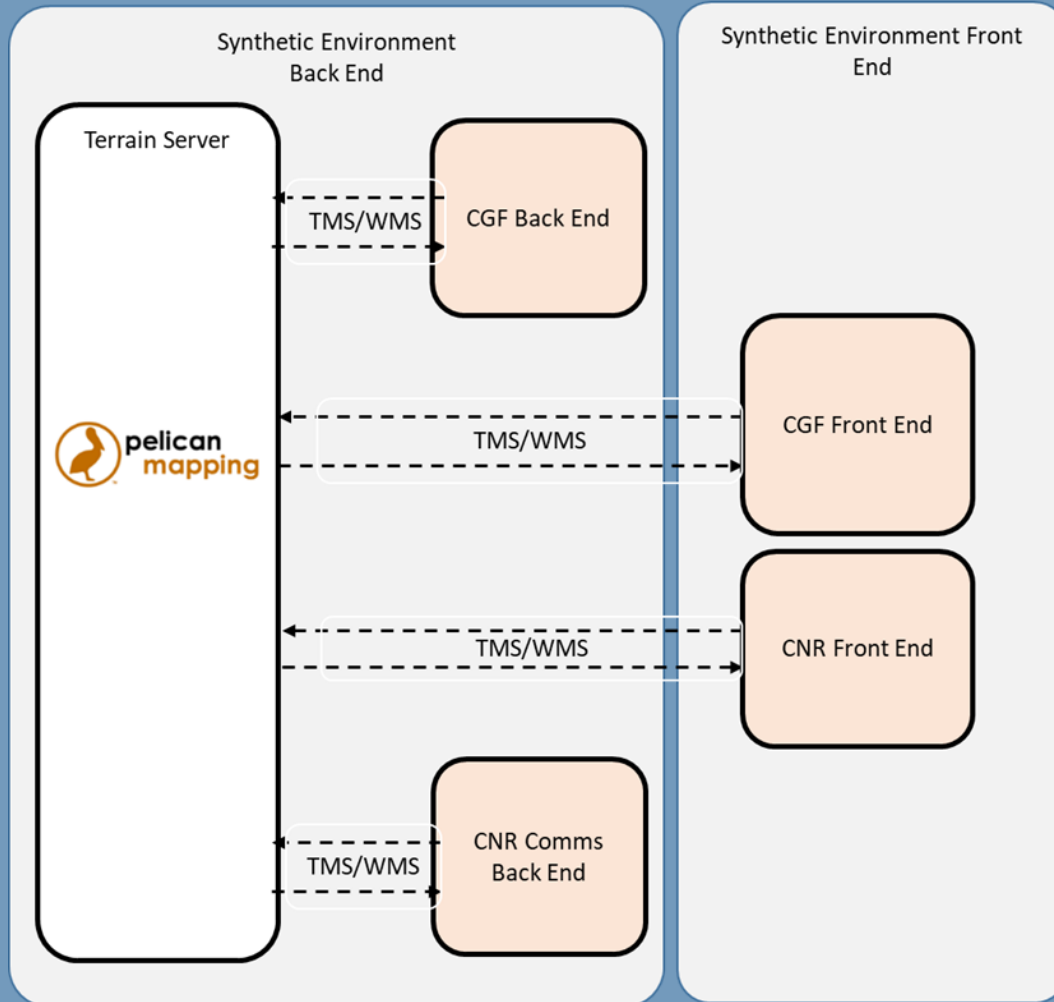


Generic Exercise Management Station (GEMS) – currently 54 in the Hub

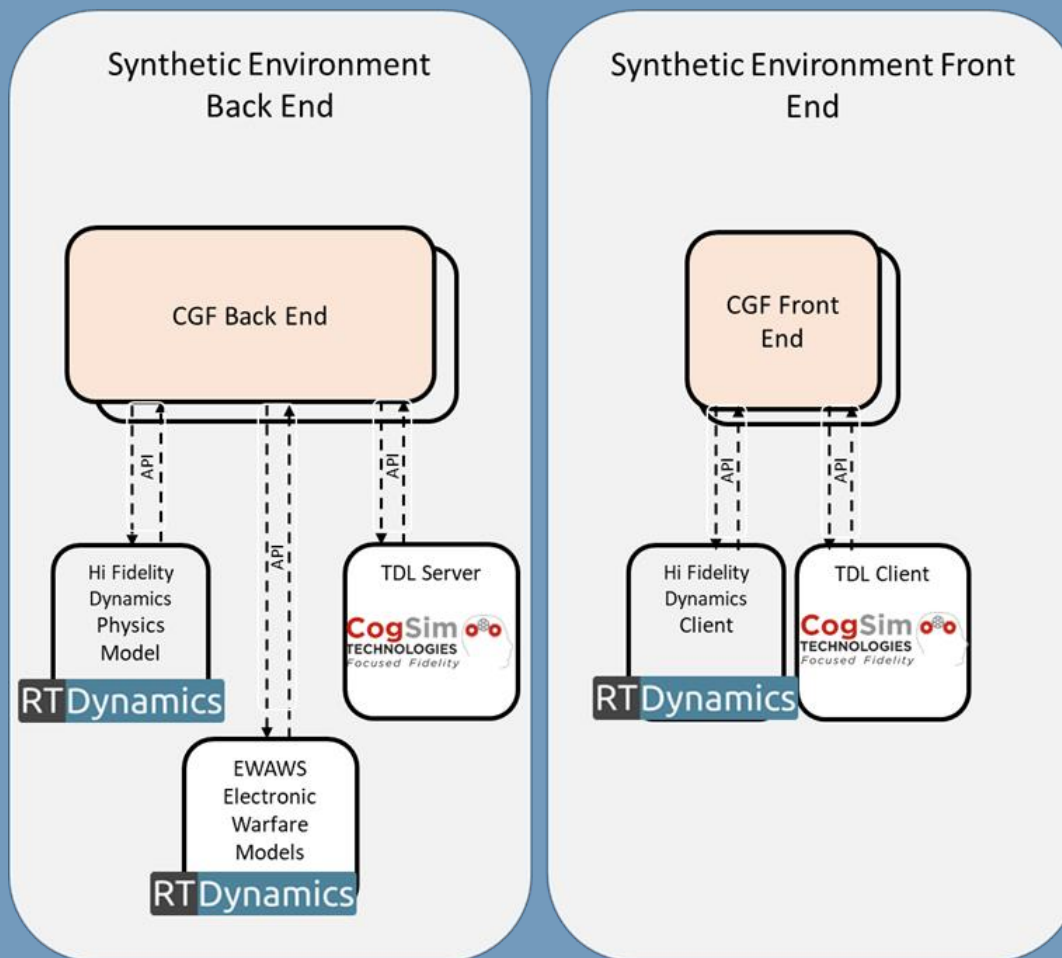
Gladiator Core HLA-e Interface



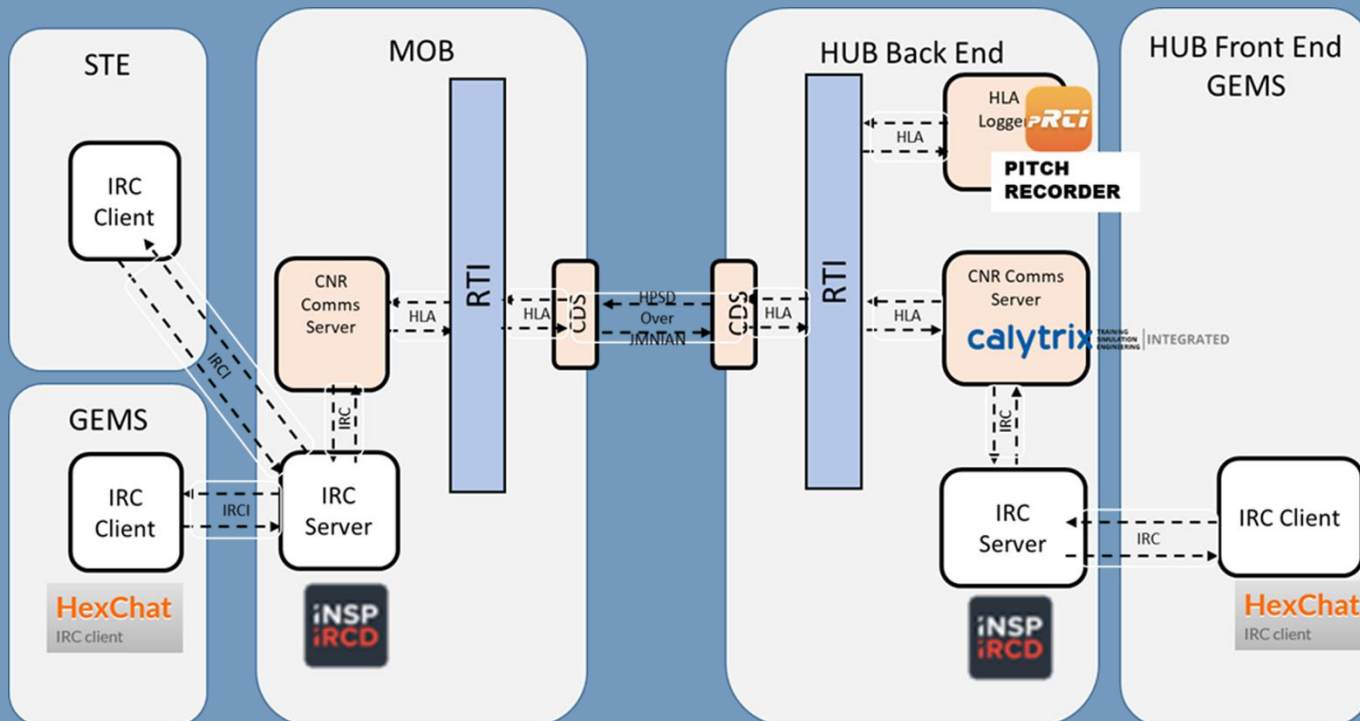
WMS/TMS Terrain Server Interfaces



Plugins and Libraries within the SE

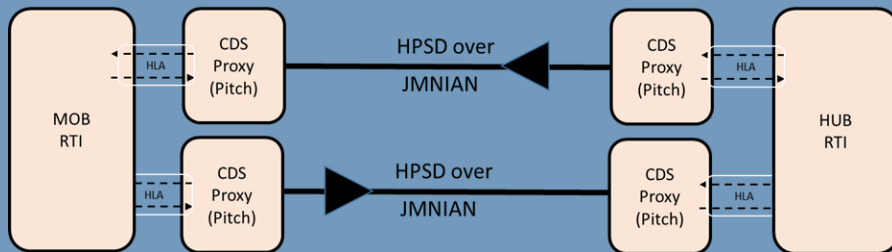


Internet Relay Chat Network

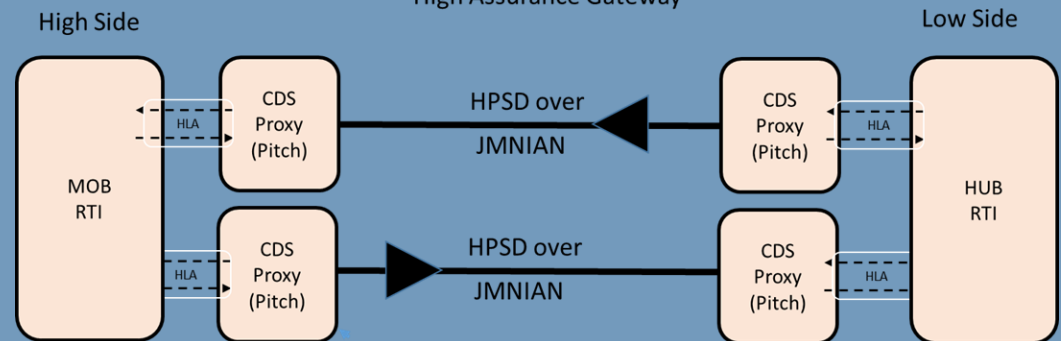


Cross Domain Security (CDS) Solution

Cross Domain Security between Hub and MOB
Low Assurance Gateway

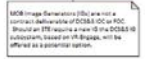


Cross Domain Security between Hub and MOB
High Assurance Gateway



Waymont Inspection guard to check that the obfuscation rules are observed

HPSD – HLA Protocol for Security Devices

`add [package] System Architecture Summary [System Architecture Summary]` |

Gladiator Key System Characteristics

- **Interoperability:** interoperability based on HLAe and the NETN FOM with interfaces that support other standards such as DIS
- **System of Systems Approach:** extensible and open modular design supported by its own Development and Engineering Lab
- **Commercial Off-The-Shelf (COTS):** maximises the use of openly available COTS products
- **Realism:** extensible architecture capable of exploiting high fidelity plug-ins to provide the necessary realism
- **Commercial:** Government Owned – Contractor Operated (GOCO) providing the MOD with overall control and ability to modify and share without restrictions plus the ability for the MOD to negotiate terms for the entire Enterprise



Questions & Discussion