



U.S. Army Research, Development and Engineering Command



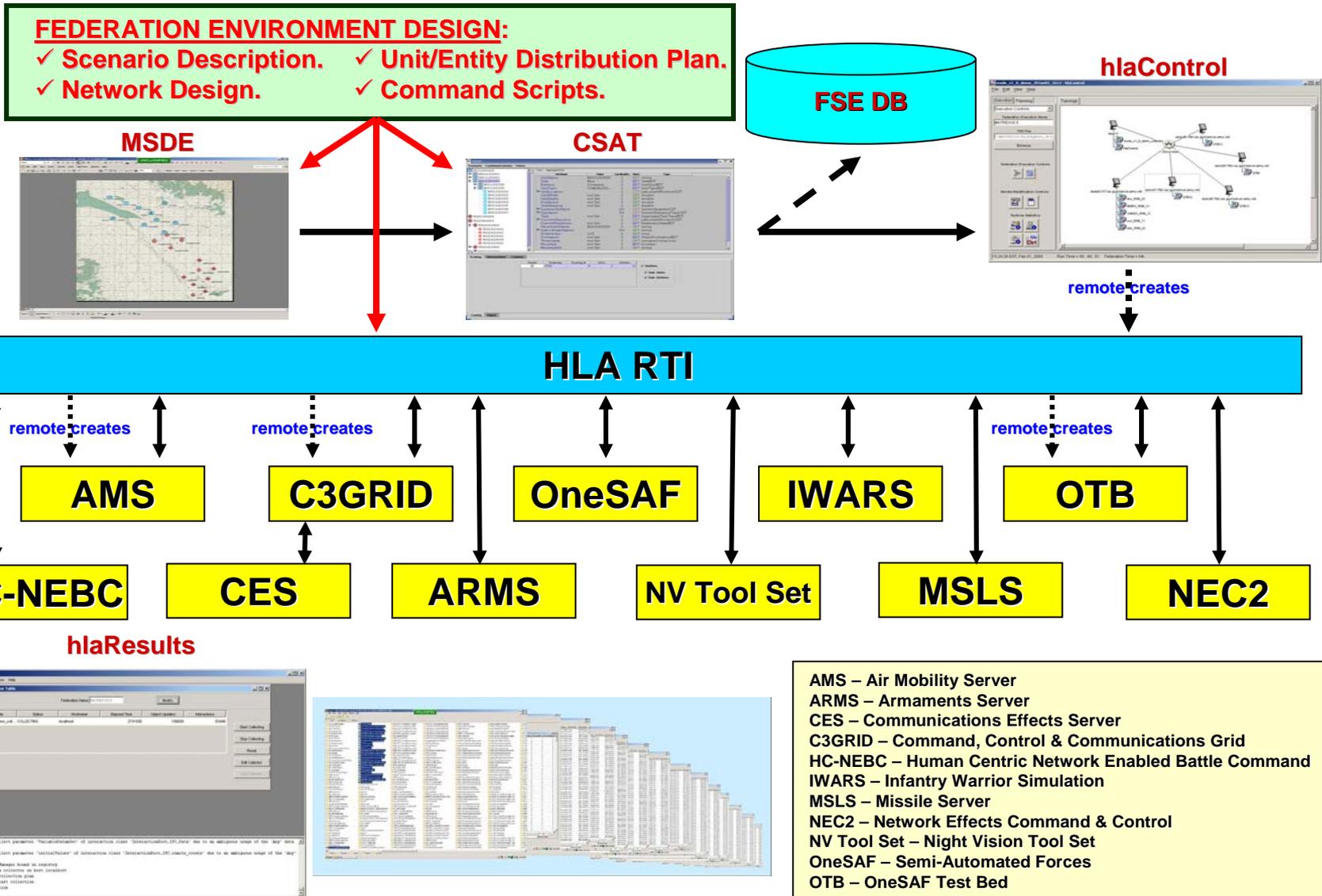
TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

MATREX Simulation Initialization

DoD M&S Conference

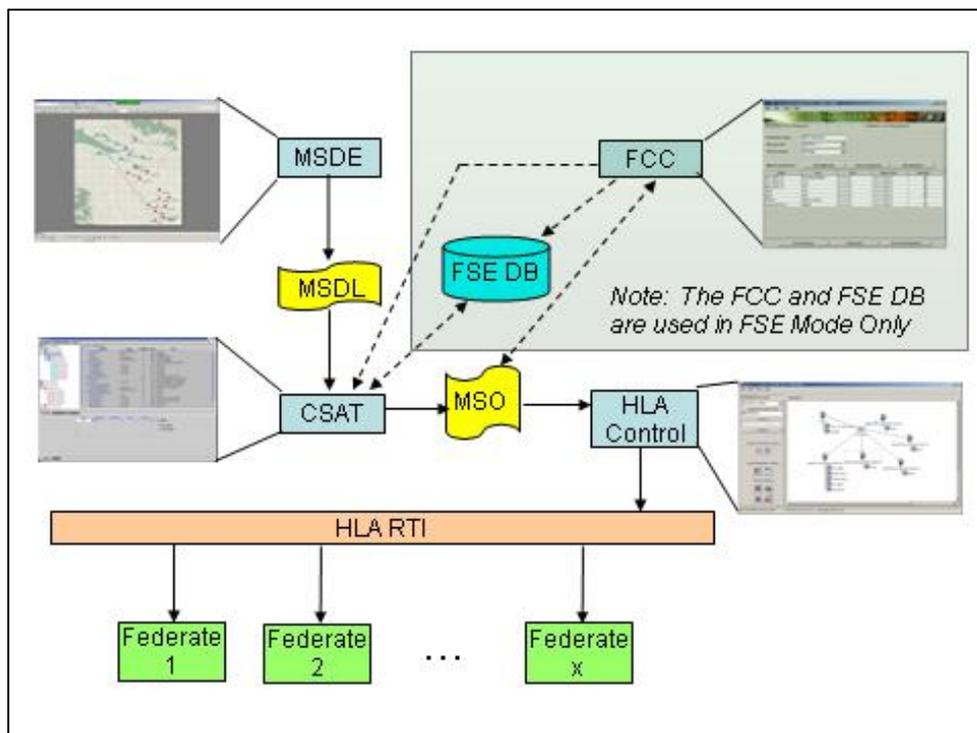
10 March 2008

- In the past, most organizations supported dedicated simulation programs.
- Considerable pre-exercise effort was required to enable the collaboration of multiple simulations.
- 12-18 months of pre-exercise effort was not uncommon for some DoD Joint training events involving multiple, dissimilar simulations.
- Accordingly, DoD has identified “rapid scenario generation” as a top M&S priority.



- Quickly and efficiently generates both tactical scenario and HLA Federation instantiation reader files in standardized formats
- Initializes HLA Federations from a common point
- Minimizes both manual input and configuration conflict errors
- Simplifies configuration management and increases data consistency
- All simulation environments that employ the MATREX standard for scenario and federation reader files have access to all other MATREX initialization compliant scenarios

- Reduces time and resources required to initialize a distributed simulation.
- Promotes the reuse of standardized scenario data formats.
- Improves configuration management via an easily manageable number of data sets.
- Allows incorporation of additional components and scenarios that are compliant with the MSDL format.



- Align the MATREX Simulation Initialization process with the following external activities as required:
 - OneSAF Initialization Process
 - LSI FSE Initialization Process
 - 3CE LVC SimInit TFA IPT Process
 - Army Initialization IPT Process
 - JFCOM Joint Rapid Scenario Generation (JRSG) IPT
 - DoD M&S Steering Committee Directed Joint Data Alternatives (JDA) Study

- RDECOM:
 - CERDEC C4ISR OTM Federation
 - AMRDEC JAMUS Federation
- TRADOC:
 - Multiple BLCSE Federations
- FCS Program:
 - FSE Federation



Points of Contact



MATREX IDE Website: <https://www.matrex.rdecom.army.mil>