



Partnering with Industry

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NIE 14.2 Laboratory Based Risk Reduction (LBRR) Objectives and Scope



- Provide a risk-reduced, configuration-managed transport design and application configuration for NIE 14.2
- Conduct system assessment for Systems Under Test (SUT) undergoing either Operational Test and Evaluation (OT&E) or Limited User Test (LUT) during NIE, identify and mitigate any risks observed and provide observations to the system Program Management (PM) office
- Conduct system assessment for Systems Under Evaluation (SUE) being considered as proposed solutions to network capability gaps by testing the system within the scope of planned testing to be conducted at NIE to exercise the systems' proposed capabilities

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NIE 13.2 LBRR Summary Phase III/IV



13 Systems Participated in LBRR

- 51 Test Incident Reports

Severity Levels

- 1: Stop testing (16)
- 2: Can continue with a work around (21)
- 3: System works with an anomaly that is repeatable (14)

- Feedback was provided to Industry and Program Managers
- Lab personnel traveled to Ft. Bliss to support VALEX
- All Systems were tested in the laboratory before being deployed in NIE 13.2

LBRR identifies and fixes issues both before and during NIE



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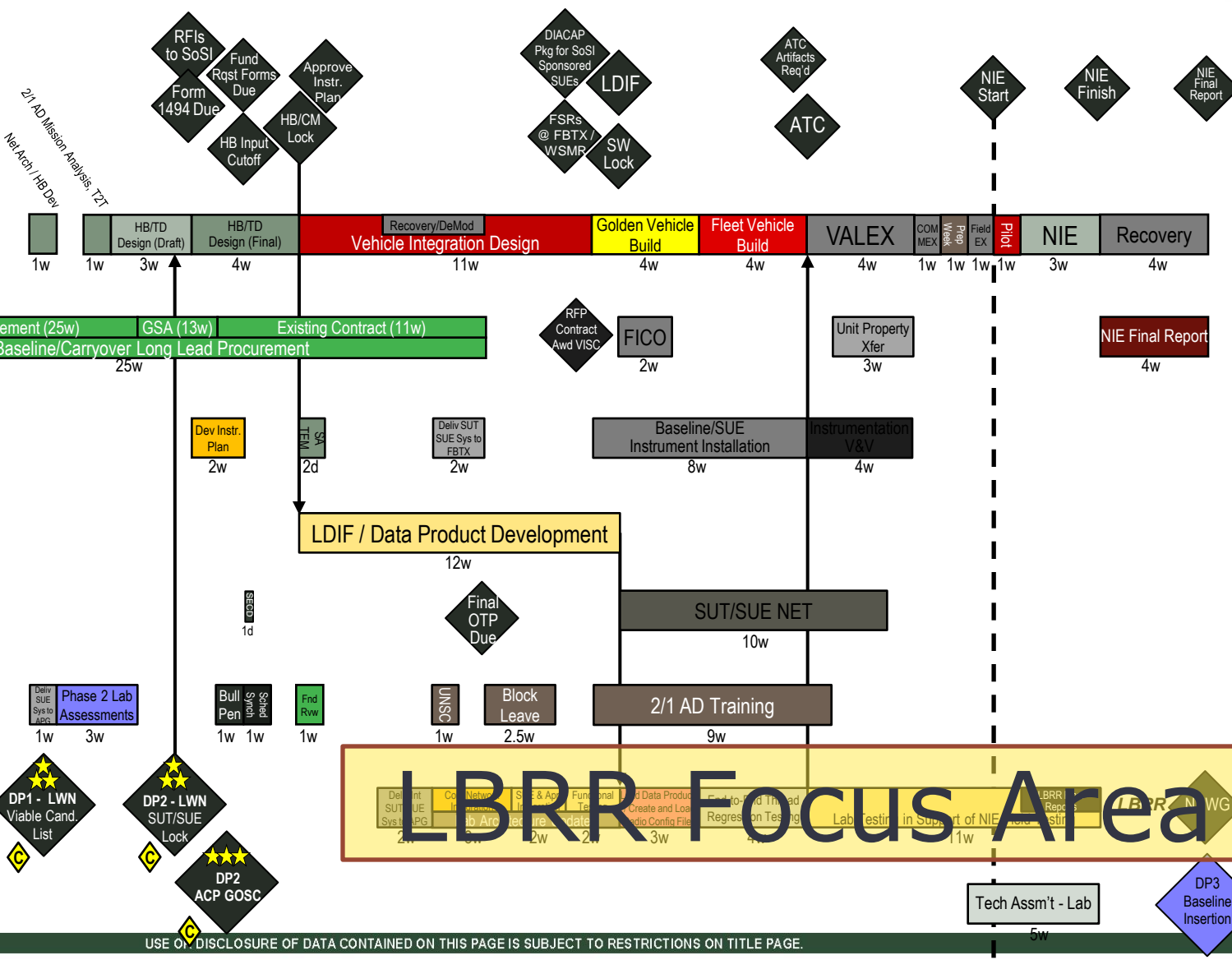
NIE 14.2 Tier 1 Schedule



Milestones



SoS Events



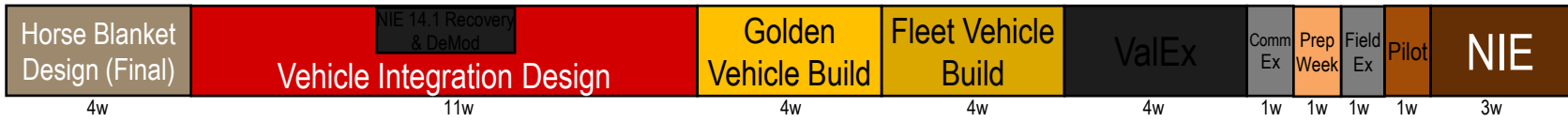
LBRR Focus Area

LBRR N WG

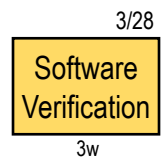
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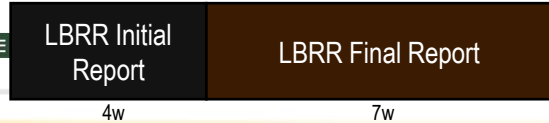
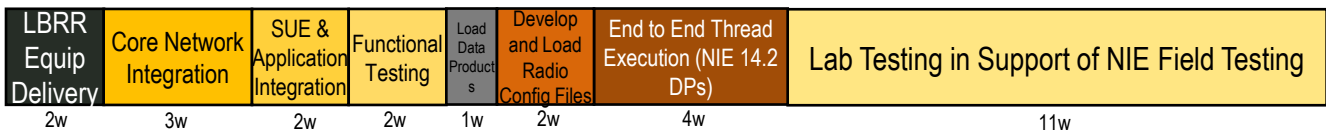
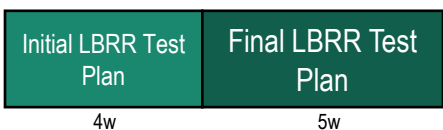
NIE 14.2 LBRR



Configuration Management



Lab Activities



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13.2 Lessons Learned/Observations (1 of 2)



- Lab Based Risk Reduction not Lab Based Risk Elimination
- Vendors must meet the equipment delivery schedule to ensure early integration
- In order to conduct System of Systems Integration we require sufficient quantities to accurately represent the systems being sent to NIE
- Work with the architecture and thread team to verify your systems placement in the architecture and how it will be used

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13.2 Lessons Learned/Observations (2 of 2)



- Provide system information up front to include planned software upgrades that are expected to occur during NIE
- Configuration Management
 - Begins at “Bull Pen” and continues through VALEX
 - SW/FM/HW changes are under configuration control once DP 2 is approved
 - All changes to configurations will go through the lab and the Configuration Management Board for approval
- SUE out briefs are beneficial and provide a pathway for two way communication

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Path Forward



- Continue integration with other C4ISR labs to provide a distributive testing environment (including joint and coalition)
- Increase performance testing
- Increase two way communication with industry

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