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LANL SCE Status



John Benner
Associate Director
Weapon Engineering and Experiments

May 22, 2017

LANL Status Report

- LANL is fully committed to December Vega shot
- Vega is top priority for our Nevada team (JLON, J-NV, W-10, SCE project staff) and
- LANL is meeting deliverables and supporting readiness and SB as needed or requested
- Providing additional technical and integration resources as necessary, including:
 - M. Ledoux (ADW) coordinating W-10 Device Response support
 - L. Goen, (ES), on Configuration Management
 - B. Watkins (WFO) and D. Rhodes (NEN) providing support for MRCB
 - C. James (ADW) providing LL on Readiness, and overall leadership

LANL Status Report – Device Response

- **Vega Qualitative Assessment (Phase 1)**
 - LANL issued Final report issued on 5/12
 - HC2 DSA for U1a bounds Vega – as confirmed May 17, 2017
 - No additional controls
 - No Phase 2 assessment required
 - Final review of report identified some areas of concern for DAF and OTSD
 - Elevation of existing controls likely
 - New controls or additional Phase 2 assessment work and hazard analysis scenario refinement will be required, if new controls not possible
- **Vega Quantitative Assessment (Phase 2) for DAF and OTSD**
 - Team will meet to discuss details of Phase 1 report and path forward
 - Review potential scenarios of concern in hazard analysis
 - Refine hazard analysis scenarios
 - Determine Phase 2 assessment scope

LANL Status Report – Vega Readiness

- **Management Readiness Confirmation Board (MRCB)**
 - First MRCB meeting identified several opportunities for improvement
 - Overall quality of packages
 - Inconsistent flowdown of M&O requirements into implementing documents
 - Availability of key resources to support functional area reviews
 - Sharepoint access still hampering document access by team
- **Insertion practice evolutions for next three weeks**
- **Finalizing NWL evidence packages in next two weeks**
- **DDP-2 certification appears to be back on track**
- **Vega Pu manufacturing and assembly remain on track**
- **Configuration management still an area of concern, but plan in place to resolve and reduce risk**
- **Integration still the most significant challenge facing team**