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MINUTES OF [] GLORIA III SAFETY REVIEW

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The GLORIA III Safety Review for the []

[] Following introductory remarks, participants identified themselves and their function in the review process. The list of attendees is attached at the end of this report. A brief overview of the payload subsystems, operations and support equipment was presented to provide background for the review. A discussion of action items from the Phase II Safety Review followed. Unresolved items from the Phase II review are transferred to the Phase III Action Item List included in these minutes. The payload hazard reports remain open pending incorporation of comments and closure of action items.

Action Items

The following action items were identified:

<u>Action Item</u>	<u>Assigned To</u>	<u>Due Date</u>
1. Define who provides the safety certification for the []	[]	11/1/90
2. Investigate the hazard of deploying [] if the IBSS transmitter is powered. Document results in PHR-009. Include susceptibility of []	BIF480A	12/1/90
3. Provide new Fracture Control Plan and Fracture Control Analysis summary to Glen Ecord for review and approval.	BIF480A	11/1/90
4. Document in applicable PHR the remaining shelf life for flight lots of separation nuts.	BIF480A	12/1/90
5. Provide flight NSI lot and serial numbers to []	BIF480A	12/1/90
6. Document plan of action for battery charging in the event of a launch delay.	BIF480A/SPO	11/1/90

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| 7. Prepare detailed tracking log of all open verification items. | BIF480A | 12/1/90 |
| 8. Incorporate comments to ARAR and PHRs. | BIF480A | 12/1/90 |

Comments to ARAR and PHRs

1. Delete reference to secure communications link from paragraph 2.2.5.1 of ARAR.
2. Revise PHR-001 as follows:
 - a) Reference MUAs for stress corrosion susceptible materials.
 - b) Add statement that final verification load cycle is complete and show resultant margin of safety.
 - c) Revise control and verification No. 1 to address compliance with NSTS 14046B.
 - d) Rewrite Structural Design section to reflect current application of safety tie and remove historical references.
3. Revise PHR-002 as follows:
 - a) Change applicable safety requirement from 202.4b to 202.3.
 - b) Make specific reference to available inhibits and monitors.
 - c) State that there are no Orbiter attitude constraints to limit thermal effects related to hazard cause No. 2.
 - d) Provide cutaway drawing of separation nut.
 - e) Reference in-house quality buy-off of critical processes and mandatory inspection points through cert log.
 - f) Make statement of compliance to policy letter on MIL-STD-1512.
4. Revise PHR-003 as follows:
 - a) Change applicable safety requirement from 202.4b to 200.2.
 - b) Add to hazard cause No. 1 "and continued payload deployment operations".
 - c) Delete sheet 117.
 - d) State positively that system was assessed and no fastener is large enough to jam payload if it backed out.

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5. Revise PHR-005 relative to cause 2b to show that conducted EMI is the issue.
6. Revise PHR-006 to include reference to approval letter. 25X1
7. Incorporate results of action item 2 in PHR-009.

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