

SSP 30599 Safety Review Process

Series and Reflown Equipment Safety Assessment for Ground Safety

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| For Hardware: | TBD |
| Flight: | TBD |
| Previous Flight(s): | TBD |

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| A. | <p>Identification of all series/reflow equipment to be used and the baseline safety analyses.</p> <p>FLIGHT EQUIPMENT: Part Number Nomenclature</p> <ul style="list-style-type: none"> • Part Number Nomenclature <p>GSE Part Number Nomenclature</p> |
| B. | <p>Assessment of each piece of series/reflow equipment to indicate that the proposed use is the same as that analyzed and documented.</p> <p>TBD</p> |
| C. | <p>New or revised HRs, additional data, and identification of deleted HRs. Identification and assessment of changes in hardware/software and operations, which have safety impact. A copy of the approved baseline Phase III Hazard Reports (attachments not required) shall also be submitted.</p> <p>There are TBD new or revised Hazard Reports, and TBD changes to Hardware or Software.</p> |
| D. | <p>An assessment of the safety verification methods contained in the baseline safety analysis to determine which verification must be re-accomplished. Open verification items are to be tracked on a VTL (see appendix E).</p> <p>TBD. See Appendix E. There are TBD open SVTL's.</p> |
| E. | <p>A list and description of safety noncompliances including the acceptance rationale for each.</p> <p>TBD</p> |
| F. | <p>Assessment of limited life items for reflow hardware.</p> <p>There are TBD limited life items.</p> |
| G. | <p>Description of maintenance, structural inspections, and refurbishment of reflow hardware and assessment of safety impact.</p> <p>TBD.</p> |
| H. | <p>Assessment of all failures and anomalies during previous usage of the series/reflow element with corrective action taken and rationale for extended use.</p> <p>TBD</p> |

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| I. | <p>For ground review: Verification that each flight system pressure vessel has a pressure vessel logbook showing pressurization history, fluid exposure, and other applicable data. This verification shall account for the planned testing at KSC.</p> <p>COPV Envelope Drawing states the COPV has a maximum of TBD pressure cycles.</p> <p>Per KSC / TOSC records*, this COPV has experienced the following number of pressure cycles: _____</p> <p>*Per agreement between GSRP and KSC-UB, KSC maintains pressurization records. Obtain data from KSC.</p> |
| J. | <p>For flight reviews: A list of all pyrotechnic initiators installed or to be installed. The list will identify for each initiator the function to be performed, the part number, and the lot number and the serial number.</p> <p>TBD</p> |
| K. | <p>Ionizing radiation data sheet for each source, see appendix G, JSC Form 44, KSC Forms, as applicable.</p> <p>TBD</p> |
| L. | <p>Non-ionizing radiation data sheet for each source, see appendix G, JSC Form 44, KSC Forms, as applicable.</p> <p>TBD</p> |
| M. | <p>A final list of procedures for ground processing (ground only).</p> <p>For the lifting, handling and transport for ground processing, the TBD procedures will be used.</p> |
| N. | <p>On-dock date at KSC.</p> <p>TBD</p> |
| O. | <p>Certificate of Safety Compliance signed by the appropriate Program Manager.</p> <p>Signed: TBD (see attachment).</p> |
| P. | <p>Re-verification of operational controls for implementation in procedures and flight rules.</p> <p>TBD</p> |
| Q. | <p>Assessment of on-orbit operations restrictions.</p> <p>TBD.</p> |

Approval:

| Hardware Organization Program Manager (or designee) | Signature | Date |
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