## Final Design

For systems and subsystems within the Target Station the following list of items are typically required for completion of Final Design. Exceptions are to be submitted and approved by the Target Project Manager.

| Document | CHESS # | Approver | Status |
| --- | --- | --- | --- |
| Updated System Design Requirements and Description Documents, including identification of all safety-credited controls (can be separate documents) | ESS-0012524 rev3 ESS-0012527 rev3 | Eric | For approval For approval |
| Updated Interface Control Documents | ESS-0016380  ESS-0018673  ESS-0019346  ESS-0019347  ESS-0020682  ESS-0020837  ESS-0037668  ESS-0038061  ESS-0043689 | WPMs | Released  Prel  Released  Released  Rev  Released  Released  Released  Released |
| Updated System Verification Plan | ESS-0020677 | Ulf | Released |
| Updated WBS dictionary that incorporates all project work scope | ESS-0037494 | Ulf | Released |
| CAD models, drawings, P&IDs, etc. sufficient to manufacture and/or procure systems, structures, and components | ESS-0040854  ESS-0040855 /Overview ESS-0040869 / HeSto ESS-0040873 / HeInj ESS-0040876 / PRC ESS-0042325 / He Rel |  |  |
| Updated Risk Assessment | ESS-0020645 | Ulf | Released |
| Manufacturing Process Specification | ESS-0051819 | Ulf | Released |
| Manufacturing Verification Plans | ESS-0052140 | Ulf | Review |
| Draft of the technical sections of Procurement Specifications (approval not required at this point) | ESS-0051820 |  | Released |
| CDR committee report with responses to recommendations that includes a description of actions completed and submitted for closure in response to recommendations, and a brief action plan for items planned for later closure. |  |  |  |

All of these items except the final two, should be approved and submitted to the Critical Design Review committee prior to the CDR. Based on the results of the CDR, all of the above documents should be modified and re-approved, if needed, prior to submittal to the Target Project CCB for approval of Final Design Phase completion. This establishes the Design Baseline.

