

SUPPLEMENT 5-D

REQUIREMENTS ALLOCATION SHEET

The Requirements Allocation Sheet documents the connection between allocated functions, allocated performance and the physical system. It provides traceability between Functional Analysis and Allocation and Design Synthesis, and shows any

disconnects. It is a major tool in maintaining consistency between functional architectures and designs that are based on them. (Function numbers match the FFBD.)

| Requirements Allocation Sheet | Functional Flow Diagram Title and No. 2.58.4 Provide Guidance Compartment Cooling | Equipment Identification | | |
|---|---|--------------------------|--------------|-----------------------|
| Function Name and No. | Functional Performance and Design Requirements | Facility Rqmnts | Nomenclature | CI or Detail Spec No. |
| 2.58.4 Provide Guidance Compartment Cooling | The temperature in the guidance compartment must be maintained at the initial calibration temperature of +0.2 Deg F. The initial calibration temperature of the compartment will be between 66.5 and 68.5 Deg F. | | | |
| 2.58.4.1 Provide Chilled Coolant (Primary) | A storage capacity for 65 gal of chilled liquid coolant (deionized water) is required. The temperature of the stored coolant must be monitored continuously. The stored coolant must be maintained within a temperature range of 40–50 Deg F. for an indefinite period of time. The coolant supplied must be free of obstructive particles 0.5 micron at all times. | | | |

Figure 5-9. Requirements Allocation Sheet (Example)