

# PSS Gen-1 Review Items

## September 7, 2005

### Design & Operational General Improvements

|    | Item   | Comment/Question   | Responses  | Response Rating |
|----|--|--|--|-----------------|
| 1. | Interface between FEEPS & PSS                | PSS Gen-1 major faults may allow <b>PS1</b> to remain open   | This seems to present a risk to PS2.                                       | 2               |
| 2. | DOE & ANL ESH<br>DOE G 420.2B & ANL ESH 5.16 | Better as built dwgs   | This is being done.  | 1               |
| 3. | Calibration of door position switches        | Should station door switches be calibrated and how often.  |  | 2               |
| 4. | PSS Gen-1 system response time.              | Does this PSS Gen-1 remove beam hazards within 1-2 seconds?  | SIG should measure and document these PSS performance parameters.          | 2               |
| 5  | Hardware obsolescence                        | What PLC hardware is about to become obsolete. Should hardware upgrades be used or one-for-one replacements? | This must be done  | 1               |
| 6  | Improved communications                      | Communications during validation and repair testing could be improved.                                       | This could include a dedicated "auto communication" link between stations. | 2               |
| 7  | Improved FES Interface                       | What <b>type of FESIE and MEZZIE Interface is planned for installation?</b>                                  | This plan is being reviewed  | 1               |
| 8  | Improved Diagnostics                         | Latching faults and providing improved EPICS HMI are ways to improve "troubleshooting" PSS G1 systems.       | This should be done.   | 2               |
| 9  | Improved DIW cooling interface               | Plan to remove "Love" Controllers from PSS G1 Systems  | This is being done.  | 1               |
| 10 | Standardize PSS G1 User HMI                  | Review the LED displays on user panels for consistency.  | This should be done.   | 2               |
|    |  |  |  |                 |

#### Response Rating Key

1 = Should be done ASAP

2 = Should be done but not ASAP

3 = Might be done but needs more review/information/or variance

4 = Not necessary or already being provided.