

NSTX-U Readiness To Operate Review Committee Charter

The purpose of this review is to ensure that the commissioning and subsequent operation of the National Spherical Torus Experiment Upgrade (NSTX-U) can be performed in a safe and environmentally responsible manner. Specifically, the review will address the following charge questions:

1. Do the approved NSTX-U Safety Assessment Document (SAD) and pending Safety Certificate adequately define the safe operating envelope for NSTX-U operations?
2. Are there clearly defined roles, responsibilities and training for NSTX-U operations personnel?
3. Are there clearly defined operating procedures that ensure that NSTX-U is commissioned and operated within the safe operating envelope defined by the NSTX-U Safety Assessment Document (SAD) and Safety Certificate (including off-normal events)?
4. Does the PPPL Activity Certification Committee (ACC) process ensure that configuration changes are adequately reviewed and appropriately documented in the NSTX-U Safety Assessment Document (SAD) and Safety Certificate?
5. Does the PPPL Activity Certification Committee (ACC) process, including approval to proceed by the PPPL ES&H Executive Board Chairperson, ensure that PPPL is indeed ready to begin NSTX-U operations?
6. At the time of project completion, will the NSTX Upgrade Project have delivered the Project Objectives as defined in Section 2.2 of the NSTX-U Project Execution Plan?

The review process will consist of document reviews (SAD, Safety Certificate, procedures and drawings), presentations by responsible PPPL/NSTX-U staff, interviews of key management and operations staff, tours and observation of presently ongoing activities. (Agenda TBD.)

The Review Committee shall prepare a report that documents the results of the review. The report shall include the team membership, scope of the review, applicable review criteria, review findings, specific answers to the Charge questions above and an overall conclusion that indicates the readiness of PPPL and the NSTX-U Project to adequately support safe operation of the NSTX-U facility.

Findings identified by the Review Committee shall identify when resolution is required. Findings that must be addressed immediately shall be identified as Urgent.

Findings that must be resolved prior to beginning the Integrated Systems Test Procedure (ISTP) shall be identified as Pre-ISTP findings. Findings that may be resolved after the Integrated Systems Test Procedure (ISTP) shall be identified as Post-ISTP findings. (Findings will be tracked to completion in the PPPL Tracking System. Verification of the closeout of findings will be performed by PPPL Quality Assurance.)

The Review Committee shall prepare and present a closeout briefing, including any findings, upon completion of the on-site review. A draft written report documenting the results of the review including any findings will be prepared and submitted to the PPPL Associate Laboratory Director (ALD) for Engineering and Infrastructure for factual accuracy review within one week after completion of the review. The final report shall be provided to the ALD within one week after the Committee Chair's receipt of comments from the factual accuracy review.