NCSX CLOSE OUT NOTE

TO: **Larry Dudek**
FROM: **Erik D. Perry**

SUBJECT: **NCSX WBS 73, Platform Design and Fabrication**

Date: October 1, 2008

Scope
This WBS element consists of the activities associated with the design and fabrication of the NCSX machine platform. This encompasses a platform around the NCSX device, in support of various diagnostics and systems required for operation. Platform will included stairs, railings, and toeboards which comply with OSHA and NFPA requirements. Grounding of the platform must comply with the NEC. It includes all platform material procurements.

Status
The design of this platform is based on the design of the NSTX machine platform. Therefore, all of the detail drawings can be the same as the NSTX ones. A general layout of the platform, to establish locations for the columns which support the platform, was completed and an un-signed-off drawing existing in drafting. Locations for the stairs to the platform were in the process of being relocated to resolve interferences identified by the general arrangement drawings. The latest information on this is included in the general arrangement drawings in job 8215.

Most of the aluminum connector boxes have been fabricated and material for most of the columns and aluminum joists was received.

Interfaces
Interfaces are with the CS building and are defined in the general arrangement models / drawings.

Specifications
None

Schematics and PIDs
None

Models
General arrangement model, job 8215

Drawings
General arrangement drawings, job 8215.

NSTX platform drawings: E-FA 1001, 1002, 005SK, 006SK, 007SK, 1008, 008SK, 1012, 1016, 1031

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Analyses
None, based on analysis done for NSTX platform.

Testing
N/A

Costs
No cost updates required …. Existing estimates are still valid.

Remaining Work
Complete layout drawings.
Order material which is not yet on-site.
Fabricate platform parts.
Install platform.

Lessons Learned:
N/A

Conclusion:
Platform design and fabrication/installation is straightforward and can be re-started at any time using the NSTX machine platform as a model.