

PF 4/5 Alignment Peer Review

Peer review summary: NSTXU_1-1-3-1_peerDRs_100

REVISION 0

July 31, 2019

PREPARED BY: **Kathleen Lukazik** 7/31/2019 4:36:55 PM

Kathleen Lukazik,

APPROVED BY: **Kathleen Lukazik** 7/31/2019 4:38:24 PM

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Design Approval Form

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DESIGN REVIEW DOCUMENTATION – RESULTS

Title: PF 4/5 Alignment WP#: 3020 (ENG-032)
 CAT: ☒ A1 ☐ A2 ☐ A3

Type of Review: ☒ Peer ☐ CDR ☐ PDR ☐ FDR

Cognizant Individual: Chris Pagano Date of Review: 5/31/19

Review Board Members:

Chairperson: M. Viola
 RE (Magnets): S. Raftopoulos
 RE (VVIH): D. Loesser
 TA (Mechanical): R. Ellis
 QA: F. Malinowski
 ESH: W. Slavin
 NSTXU PE: Y. Zhai
 Regulatory Compliance: W. Slavin

Invited Attendees:

P. Dugan
S. Gifford
A. Jariwala
J. Mitchell
A. Khodak
A. Brooks
A. Brereton
J. Winston

Other Attendees:

S. Horst
S. Weidner
J. Knoblach

Items Reviewed:	Sat.	Unsat.	Comments or n/a if not applicable
Appropriate requirements identified	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Development plans and schedules	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Reg. compliance incl. USI/USID and NEPA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Disposition of CHITS from previous reviews	<input type="checkbox"/>	<input type="checkbox"/>	<u>N/A There were 13 chits generated.</u>
Cost objectives	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Other review objectives addressed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

SUMMARY OF RESULTS:

This review was presented as scheduled. The discussion provided excellent insight into requirements and methods of aligning the magnets. The methods presented were sound. There was much discussion about measuring and using the magnetic center instead of geometrical center. Geometric measurements are sufficient per Stefan.

Disposition: [check one]

- ☐ **Acceptable**
☒ **Acceptable pending resolution of concerns**- CHITS identified above must be resolved prior to installation.
☐ **Incomplete** - Additional design work is required prior to another design review.
☐ **Unsuccessful** – Corrective actions must be taken and another review process must be initiated.

Responsible Engineer (Magnets): _____ Date: _____

Responsible Engineer (VVIH): _____ Date: _____

DRC Concurrence _____ Date: _____

Distribution: Review Board Members, Operations Center, Responsible Engineer, Cognizant Individuals, Project Manager, Project Director, relevant Technical Authorities, Chief Engineer, Fire Protection Engineer, Attendees, QA, ES&H, Security, Requesting & Performing Dept. Head.