

Chit Resolution Report for the Breaker Replacement for the PSS

Chit resolution report: NSTXU_1-5-1-1-4_CRR_chit_100

REVISION 0

November 3, 2019

PREPARED BY:	Kathleen Lukazik	10/29/2019 12:04:44 PM
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	Kathleen Lukazik,	
REVIEWED BY:	John Dellas	10/29/2019 12:12:33 PM
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	John Dellas,	
REVIEWED BY:	Eric Cassidy	10/31/2019 10:35:34 AM
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	Eric Cassidy,	
APPROVED BY:	Yuhu Zhai	10/31/2019 1:22:36 PM
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	Yuhu Zhai,	
APPROVED BY:	Robert A. Ellis	11/3/2019 6:45:49 PM
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	Robert A. Ellis,	

PRINCETON PLASMA PHYSICS LABORATORY
P.O. BOX 451
PRINCETON, N.J. 08543

Chit Resolution Report for Breaker Replacement for the PSS

NSTXU_1-5-1-1-4_CRR_100

Prepared By: Eric Cassidy, Cognizant Engineer

Reviewed By: John Dellas, Responsible Engineer

Approved By: Yuhu Zhai, Project Engineer

Approved By: Robert Ellis, Chief Engineer

Chit Resolution Report: NSTX-U-REC-PWR-01

List of Chits closed in this report on the cover, details inside the report

Attach total log of Chits, including all those previously closed and those not yet closed.

Chit Code	Review
BRPSSFDR01	Breaker Replacement PSS
BRPSSFDR02	Breaker Replacement PSS

(*) For CDR and PDR the DRC, for FDR and after FDR the Main Approver (A-1: Chief Engineer, A-2 and A-3: DRC)

DRC =Design Review Chairperson

Record of Changes

Rev.	Date	Description of Changes
00	10/29/19	Initial Release

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CR-PWR-01 – Update of FMEA to Latest FMECA Format

Review	ID	Chit
Breaker Replacement PSS FDR	BRPSSFDR01	The FMEA content as presented appears appropriate, but is not in the format specified in the GRD and Project FMECA plan. It should be morphed to be consistent with that format.

The failure mode data has been entered in the correct format into the Power Systems portion of Recovery FMECA.

CR-PWR-02 – Testing on Breaker Mechanical Response Time

Review	ID	Chit
Breaker Replacement PSS FDR	BRPSSFDR02	Consider adding to the testing information the verification that the breaker mechanical response time is acceptable.

An additional test to check circuit breaker closing and opening times, and verify that the results are within the time ranges for normal operation, has been added to the technical specifications.