



System Acceptance Review meeting for BIFROST

Guide Shielding System
=ESS.NSS.H01.BIFRO.A01.F01.F02

PRESENTED BY SENAD KUDUMOVIC

2025-09-05



Status Report

BIFROST Guide Shielding System

System name	FBS	EPL	CR	Deferred	Delivered	Installed	Commissioned	FAT	SAT	Compliance
Guide Shielding System	ESS.NSS.H01 .BIFRO.A01.F 01.F02	ESS-5445979	N/A	N/A	ESS-3218932	ESS-5445979	ESS-5774942	ESS-3218932	ESS-5774942	N/A

System scope:

- Guide shielding between BW and IC (D03/E02/E01)
- Different shielding material configuration:
 - Regular concrete
 - Heavy concrete
 - Steel + Regular concrete
 - Steel + Heavy concrete

Status:

- Installed and commissioned
- Integrated and verified





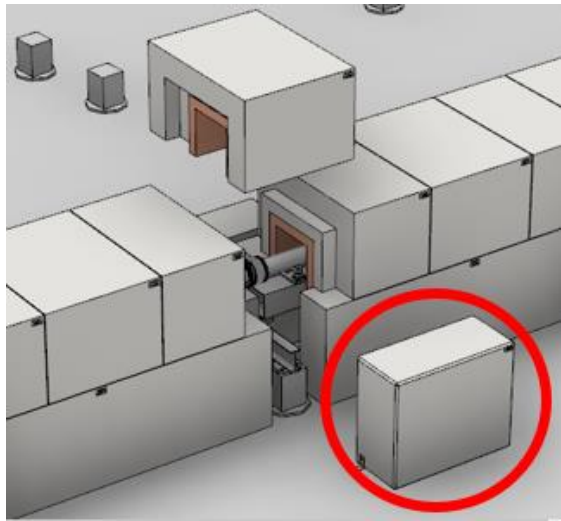
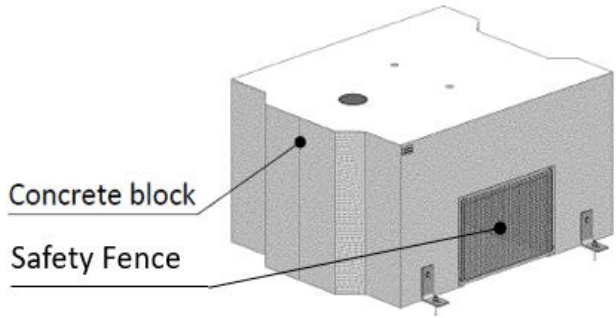
Status Report

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SAT performed and passed (*conditionally*)

- [ESS-5774942](#) - SAT Document
- One side block in E02 pending installation due to remanufacturing ([NIT-244](#)).
- Support block fencing to be installed after all CUP/CEP cables are routed under the BIFROST ([NIT-245](#)).

Test case		Pass/Fail	Note
1.	Verification of system document completeness	Pass	ESS-5774942
2.	Referred tests from ingoing FATs	Pass	ESS-3218932
3.	Verification of installed all shielding components	Fail	NIT-244 (One side block not installed)
4.	Verification of gaps between blocks	Pass	ESS-5775539
5.	Verification of other relevant components apart of shielding blocks	Fail	NIT-245 (Pending CUP/CEP completeness)
6.	Verification of mechanical assembly	Pass	ESS-5774942





Hot commissioning

BIFROST Guide Shielding System

System is not ready for hot-commissioning – SAT passed conditionally (NIT-244 and 245) to be resolved prior BoT. Estimated time is October 2025.

Common Shielding group planned activities for hot commissioning:

- Support instrument team with shielding related issues
- NSS Technician support if requested.
- Engineering support if requested.
- Scientific support if requested.

User and maintenance manual available – [ESS-5722240](#)

No deplaced working hours or on-call support planned.