

System Acceptance Review Meeting for BIFROST

Date: 5 September 2025

Location: ESS, Lund, Sweden

Time: 08:45 – 16:20

Meeting Room: Tycho-Brahe; Zoom

AGENDA

Participants:

Presenters:

Rasmus Toft-Petersen (BIFROST Lead Instrument Scientist)

Liam Whitelegg. (BIFROST Lead Instrument Engineer)

Review Committee

Pascale Deen (Chair)

Robert Connatser (Head of NSS Division)

Helen Boyer (OHS Representative)

Mattias Skafar (Quality Representative)

Giuseppe Aprigliano (NSS Engineering Representative)

Per Roos (RP Representative)

Sofie Ossowski (NSS Subproject Representative)

The charge (in line with ESS-5616193) for the committee is:

1. Validate that all system components, as defined by the Instrument FBS, are present and installed.
This ensures that all project scopes have been delivered.
2. Validate that all system documentation has been delivered and is in CHESS.
3. Validate that all technical documentation has been delivered, stored in CHESS, and is appropriately linked to the FBS structure.
4. Review the integrated cold commissioning report and ensure that it represents a sufficient test of the instrument systems, showing that all requirements that are testable during cold commissioning have been addressed.
5. Confirm that the performed testing has verified performance against the requirements that are testable during the cold commissioning.
6. Review the operating processes of the instrument and Hot Commissioning plan.
7. Review the list of non-conformities and their actual or proposed resolution and determine if they are appropriate.
8. Prepare a review report.

Instrument Partners

Bjørn Hauback, IFE
Niels Bech-Christensen, DTU
Kim Lefmann, KU (Kobenhavns Universitet)
Artur Glavic, PSI
Arnaud Desmedt, LLB

Observers

Thomas Hansson (Radiation Safety Representative)
Andreas Jansson (Facility Commissioning Coordinator)
Lali Tchelidze (Head of Operations Division)
Magnus Täcklind on behalf of Peter Rådahl (Chief Engineer /Technical Office Manager)

Other Interested Parties

Giovanna Fragneto (Science Director)
Andrew Jackson (Head of LSS Division)
Mikhail Feygenson (Head of Diffraction and Imaging Division)
Hanna Wacklin-Knecht (Head of SSD)
Thomas Holm Rod (Head of DMSC Division)
Oliver Kirsten (Technical Subproject Leader for Science)
Iain Sutton (NSS Technical Coordinator)
Kevin Fissum (Detectors Group Leader)
Nikolaos Tsapatsaris (Chopper Group Leader)
Thomas Gahl (MCA Group Leader)
Vincent Hardion (ECDC Group Leader)
Nicklas Holmberg (ICS)
Masatoshi Arai (OMD Technical Coordinator)

08:45 - 09:15	Closed Session for Review Committee* / Presentation of charge	(I)
09:15 – 09:20	Welcome / Meeting Rules (Pascale Deen)	(I)
09:20 – 09:35	Scientific Overview of Instrument - High Level Requirements (Rasmus Toft-Petersen)	(I)
09:35 – 10:35	Instrument Components (Liam Whitelegg)	(I)
10:35 – 11:00	Coffee Break	
11:00 – 11:20	CIDL (Joakim Meyer)	(I)
11:20 – 11:40	Status of the Documentation. NIT / NCR's Overview (Raveesh Kshema)	(I)
11:40 – 12:00	List of NIT / NCR and proposed resolutions (Liam Whitelegg)	(I)
12:00 – 13:00	Lunch	
Technical Groups presentations of local SATs and corresponding documentations		
13:00 – 13:10	Choppers (Erik Nilsson)	(I)
13:10 – 13:20	Motion Control and Automatization (Federico Rojas)	(I)
13:20 – 13:30	Detectors & Beam monitors (Ourania Sidiropoulou)	(I)
13:30 – 13:40	ICS (Johan Christensson)	(I)
13:40 – 13:55	ECDC (Jonas Petersson, George Kontogiorgos)	(I)
13:55 – 14:05	Radiation Shielding: Shielding SAT, Primary and Secondary Spectrometer (Senad Kudumovic, Alan Takibayev)	(I)
14:05 – 14:15	Vacuum (Laurence Page)	(I)
14:15 – 14:45	Coffee Break	
14:45 – 15:30	Integrated Tests & Scientific Hot Commissioning - Validation (Rasmus Toft-Petersen)	(I)
15:30 – 15:45	DMSC: IDS Slot / Data Acquisition (Gregory Tucker)	(I)
15:45 – 16:15	Closed session for the Review Committee / Verification of the action items	(D)
16:15 – 16:20	Initial feedback and closing of the meeting (Pascale Deen)	(I)

* BIFROST Site Tour to be offered on 2 September 2025

I=Information
D=Decision