



Shielding and Safety Systems System Acceptance Review

Overview of the review

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SYSTEM OWNER

Agenda

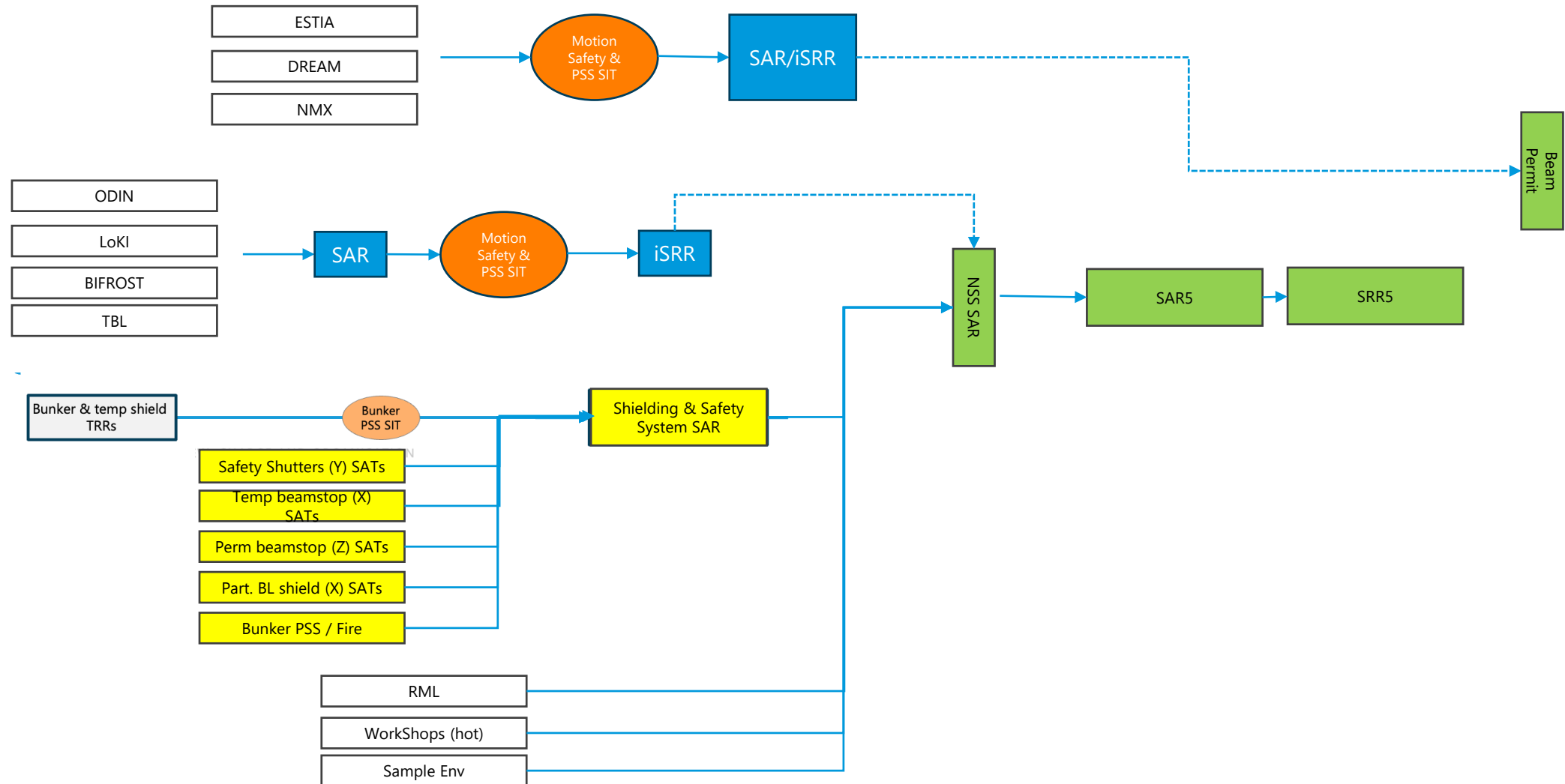


- 1 Technical overview
- 2 Quality and compliance
- 3 Cold commissioning
- 4 Hot commissioning
- 5 Summary

NSS review strategy



Interactions with other reviews





A Sub-system?

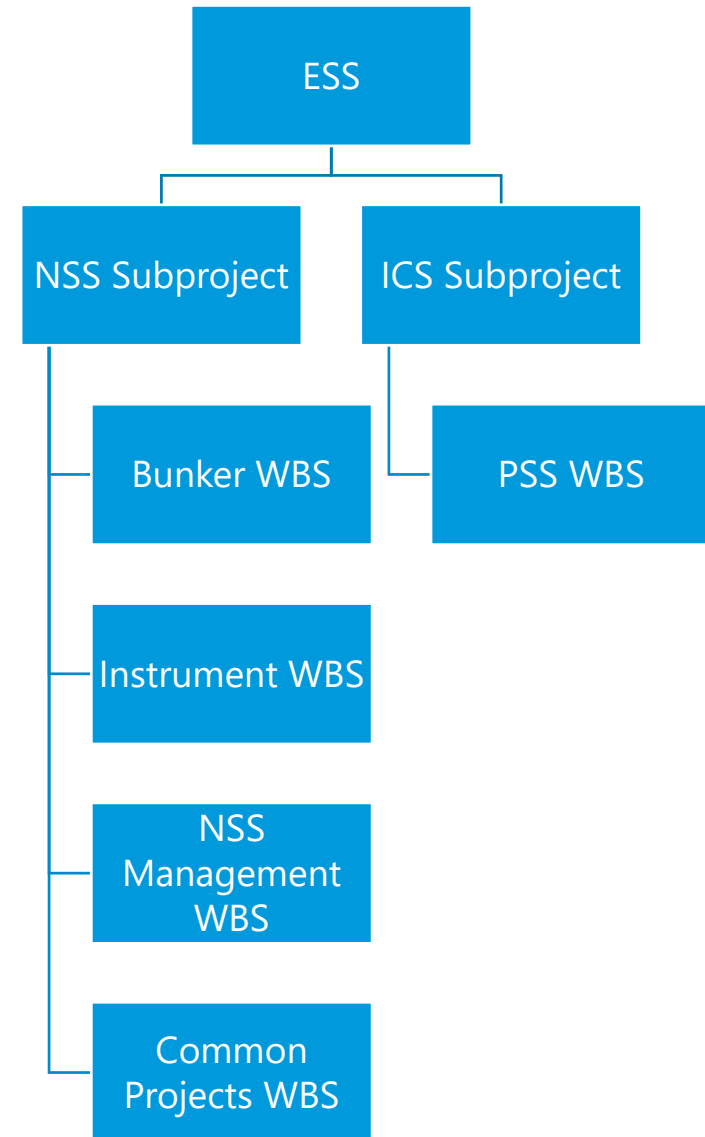
Where did all this come from in the Project?

It was recognized that the various elements that make up this “sub-system” had a common theme and needed to be reviewed.

We organized this together into this “sub-system” and are working with Joakim and company to develop the CIDL.

This will be revised every time we change the shielding configuration, as instruments come online, shutters become active, and more permanent shielding is put in place.

Unresolved issues from this SAR will be due prior to the NSS (Science Operations) SAR.





Review Method

- **SAR Readiness Assessment by the project**
 - Based on revision 5 of SAR Procedure & Checklist ESS-2771660
 - Pre-filled [ESS-5912409](#) distributed to the committee
- **Presentations & Documentation & NCR's**
 - Presentations Available on [SaSS Presentations](#)
 - Documentation status available on [SaSS documentation](#)
 - NCR's/NIT status available on [NIT dashboard](#) and ESS-5903379
- **Charge**
 - Distributed to the committee
- **Review assessment**
 - Preliminary findings
 - Report



Agenda



Agenda logos

Sessions arranged to align with Checklist sections, within reason.

Each presentation is intended to provide and overview of an aspect, speak directly to the relevant review questions and references.

A key to the documentation

Short question time included at the end of each presentation with an additional question and answer session provided at the start of day 2

Agenda Overview

- Introduction to the SOI
- CIDL
- Technical Readiness
- Organizational Readiness
- Compliance
- Health and Safety



Summary



Emphasis

Reality check

Focus on what matters

- Demonstration of readiness to ensure safety for commissioning with beam

Verify

- Radiological safety functions required for beam are installed and operational
- Convention safety functions required to operate safely are installed and operational
- Organisational readiness is being built up

SSCI2S - Structures, Systems, and Components Important To Safety

The SSCs that are important to safety are given **higher priority** and are subject to **more stringent requirements**, particularly during the **operations and maintenance phase** of the Facility.

Summary



With this review, NSS and ICS subprojects are demonstrating that we have built and delivered what Shielding and Safety Systems were required to safely receive first neutron beam at the facility and commence hot commissioning

We believe that we are technically ready

We acknowledge a level of “administrative debt” in some areas and the need for further work on organizational readiness, But this is underway with follow up planned.

let the shielding do it's work for BoT.



Finish presentation