



Status of BIFROST CIDL

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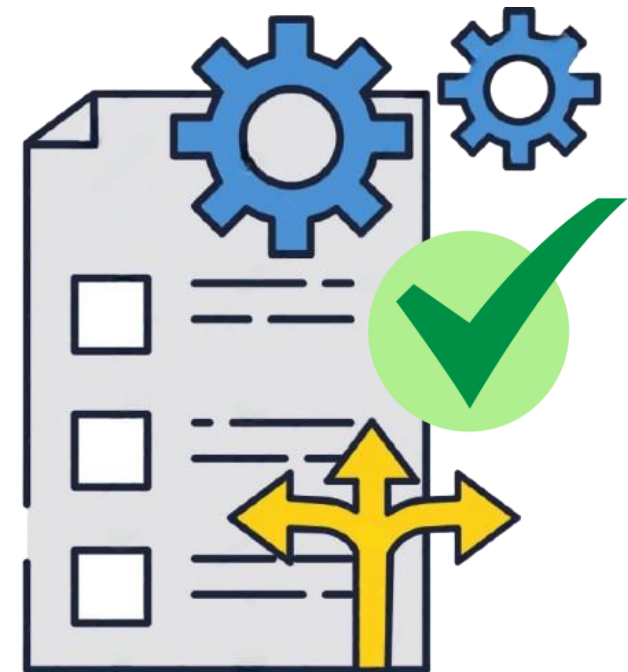
Configuration Management

In a Nutshell

1. Purpose

To ensure that, throughout the lifecycle, **information and configuration status** are:

- ✓ known at all times
- ✓ agreed upon by related parties
- ✓ complete
- ✓ correct
- ✓ consistent



ESS

****ESS Facility**
(OS-0000103)
As designed**

Infrastructure

Site and Infrastructure
(OS-0000060)
As-Operated

REMS
(OS-0000028)
As-Designed

TICP
(OS-0000033)
As-Verified

Cryo Buildings ODHDS
CIDL
(OS-0000091)
As-Operated

Timing Distribution
System CIDL
(OS-0000036)
As-Verified

Technical Network CIDL
(OS-0000038)
As-Verified

ICS Computing
Infrastructure CIDL
(OS-0000039)
As-Operated

Process CIDL
(OS-0000024)
As-Operated

Instrument Air CIDL
(OS-0000123)
As-Operated

Fire Safety CIDL
(OS-0000027)
As-Operated

Transport
(OS-0000023)
As-Operated

HVAC
(OS-0000052)
As-Operated

Target

Target Station
(OS-0000055)
As-Verified

NBEX
(OS-0000055)
As-Verified

NSS

NSS *
(OS-0000061)
As-Verified - Preliminary

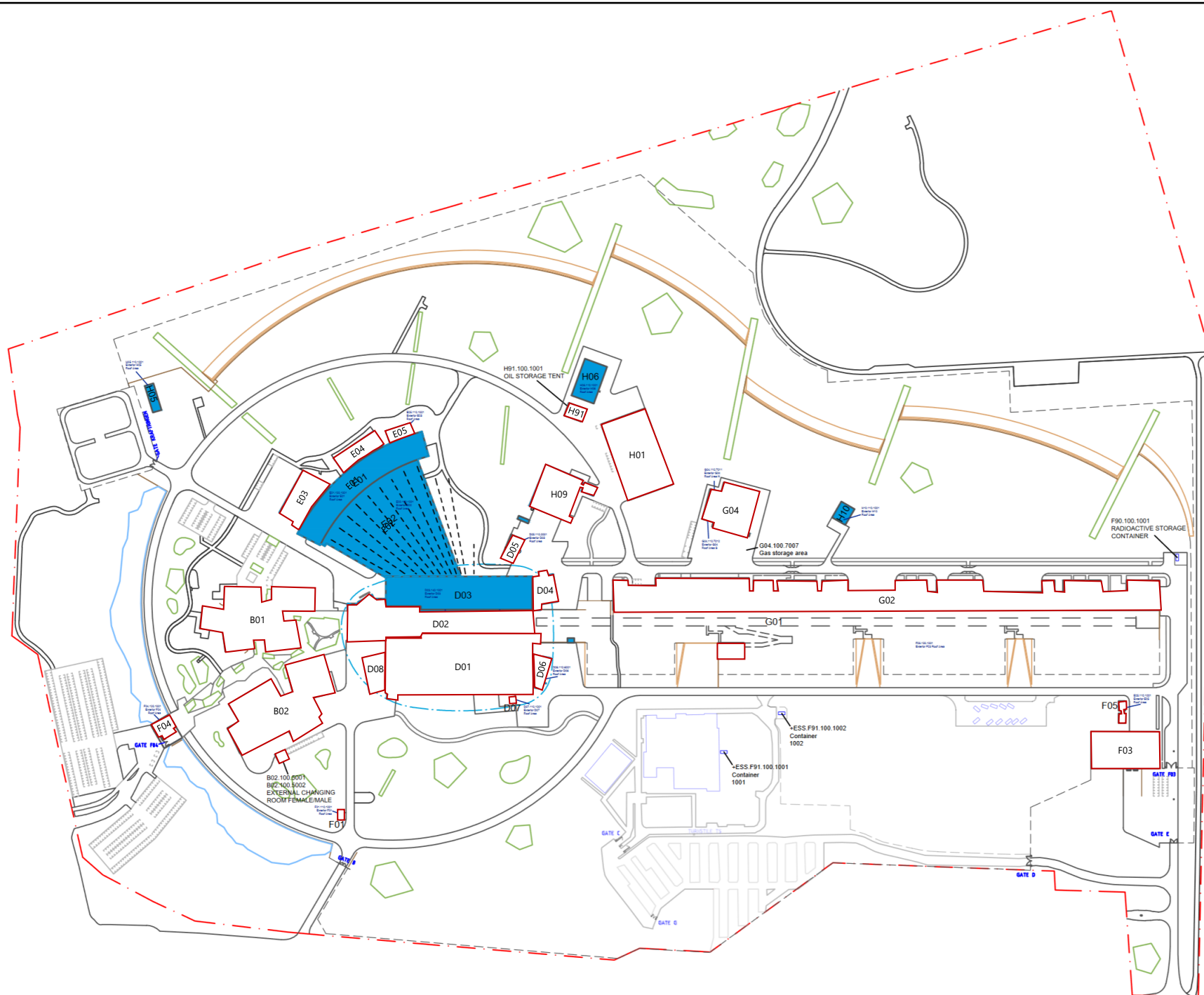
BIFROST
(OS-0000105)
As-Verified - Preliminary

BIFROST PSS
(OS-0000133)
As-Designed

AS-BUILT

As-Built and Relevant to BIFROST

As-Built but not Relevant
to BIFROST



Agreed process for CIDLs and baselines



The process for the individual instruments in Tranche-1 is slightly different than the other projects and for the upcoming instruments.

- The CIDL will be a combined As-designed and As-Verified
 - As-Verified is integrated testing of the instrument without beam
- CIDL shall be released at ISRR, still in Preliminary a snapshot is presented here.
- Any findings in SAR that are to be solved before the iSRR shall be, where applicable, implemented in the CIDL.
- The Baseline Plan Report shall be prepared and released by the iSRR Report completion

Status of BIFROST CIDL



- CIDL has been updated with documentation captured in the Green, Orange, Red and ISRR pages for the instrument (<https://chess.esss.lu.se/enovia/link/21308.51166.20401.38087>).
- Facility baseline release report will be started and put in review after ISRR report is finalized. (<https://chess.esss.lu.se/enovia/link/ESS-5838360.1/21308.51166.47252.60970>)
- Documentation has been added to the FBS and is prepared to be released.
- The expected documentation (design, verification and operation and maintenance) exists and are included in FBS or CIDL where relevant.
- Missing documentation and verification is for some of the control systems Data Management & Experiment Control System (=ESS.NSS.H01.LOKI.K02). Meeting has been held with ECDC and a system description will be created before BOT.

Status of BIFROST CIDL

■ One open NCRs

10651 Bifrost raised floor outside the cave not compliant with ESS-5584373

10648 Oversized gaps in the BIFROST Guide Shielding

10643 Bifrost Lead Chimney - Geometry Change

10631 Bifrost Analyser - Misalignment - NIT-224

10630 Gaps in Roof Beams - Bifrost - NIT-226

10629 Stainless steel parts on BE filter - Bifrost - NIT-29

10628 Magnetic Thrust Screws - Bifrost - NIT-21

10627 Bifrost BM4 - Magnetism - NIT82

10625 Bifrost Lead Chimney - Switch to Heavy Concrete Chimney (NIT-228)

■ Ongoing CCRs

ESS-5876282 Change the UPS units and settings in the PSS and GDS cabinets

■ NIT

2 NITs ISRR (6 To Do, 4 in progress, 4 in review)

12 NIT SRR 5 (6 To Do, 4 in progress, 4 in review)

–All NITS that are not solved for ISRR (for the individual instrument) or at the NSS SAR shall be categorized as Global (and shall be labelled “Global”)



Finish presentation