



Status of DREAM

PRESENTED BY JOAKIM MEYER

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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

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

CWL
(OS-0000126)
As-Operated

Fire Safety CIDL
(OS-0000027)
As-Operated

Transport
(OS-0000023)
As-Operated

HVAC
(OS-0000052)
As-Operated

Electrical
(OS-0000019)
As-Operated

Low voltage distribution
D&E buildings
(OS-0000095)
As-Operated

Electrical grounding
(OS-0000097)
As-Operated

Target

**Target Station
(OS-0000055)
As-Verified**

NBEX
(OS-0000081)
As-Verified

NSS

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

DREAM
(OS-0000107)
As-Verified

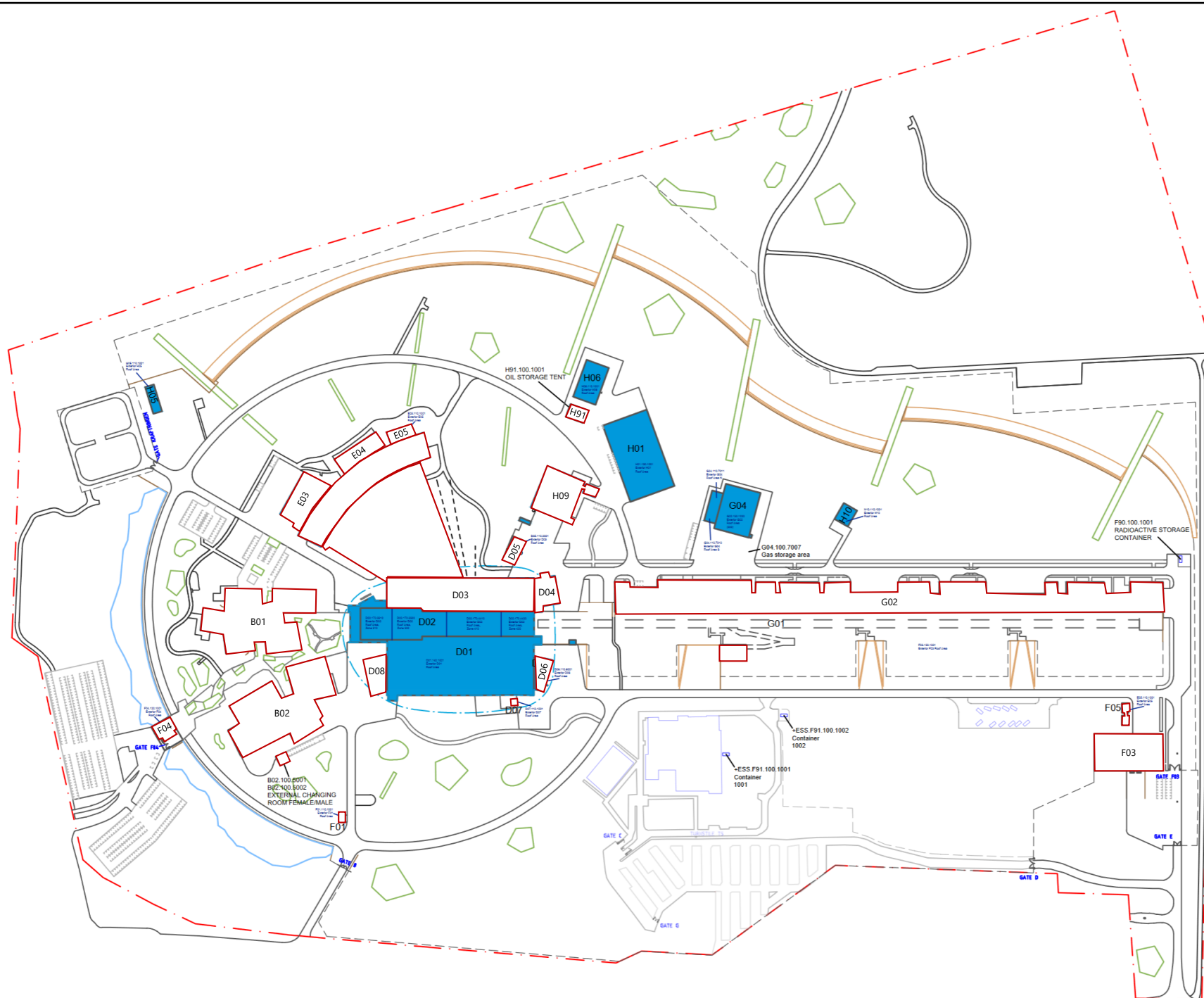
DREAM PSS
(OS-0000135)
As-Designed

NSS Shielding & Safety
Systems
(OS-0000122)
As-Designed

AS-BUILT

As-Built and Relevant to DREAM

As-Built but not Relevant to DREAM



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 ODIN 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/21308.51166.2510.57446>).
- DREAM PSS CIDL is released as-designed (<https://chess.esss.lu.se/enovia/link/21308.51166.35065.61925>)
- ESS Facility Configuration Baseline Plan is released in rev 21 (<https://chess.esss.lu.se/enovia/link/ESS-0482562.21/21308.51166.64176.14652>)
- Facility baseline release report is under prepared and will be started for review after ISRR report is finalized. (<https://chess.esss.lu.se/enovia/link/ESS-6018872/21308.51166.5875.34297/valid>)



Status of DREAM CIDL

- Documentation has been added to the FBS and is mostly released.
- The expected documentation (design, verification and operation and maintenance) exists and are included in FBS or CIDL where relevant.
- Work is on going by ECDC to write an overview of how control systems are built to integrate with ICS control systems and how this is exposed to the end users.



Status of DREAM CIDL

- Recommend that a clean up in documentation is made after TG5, should be done for all instruments that passes this:
 - Preliminary documentation, is it relevant or should it be obsoleted
 - Relevant documentation to be connected to FBS or relevant folders avoid ZIP files
 - As example for DREAM
 - Analysis Of the DREAM Neutron Optics System (ESS-5969231) preliminary since 2019
 - Check Lists Feedback – DREAM (ESS-1397214) not started
 - Concept of Operations for the Common Shielding System (ESS-0472928) one reviewer approved in 2021



Status of DREAM CIDL

- Open NCRs
10635 Oversized gaps in the DREAM Guide Shielding
- Ongoing CCRs
No open CCRs
- 32 NITs (As of 2026-03-19)
 - 0 to be resolved by iSRR
 - 5 to be resolved by iSAR (to are not connected to resolved before but issue source indicates iSAR)
 - 23 to be resolved by iORR
 - 4 with no milestone



Microsoft Excel
Worksheet