



# Status of ESTIA

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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

Low Voltage Power dist  
(OS-0000095)  
As-Operated

TICP  
(OS-0000033)  
As-Operated

## Target

Target Station  
(OS-0000055)  
As-Verified

NBEX  
(OS-0000055)  
As-Verified

## NSS

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

**ESTIA  
(OS-0000108)  
As-Verified**

ESTIA PSS  
(OS-0000136)  
As-Designed

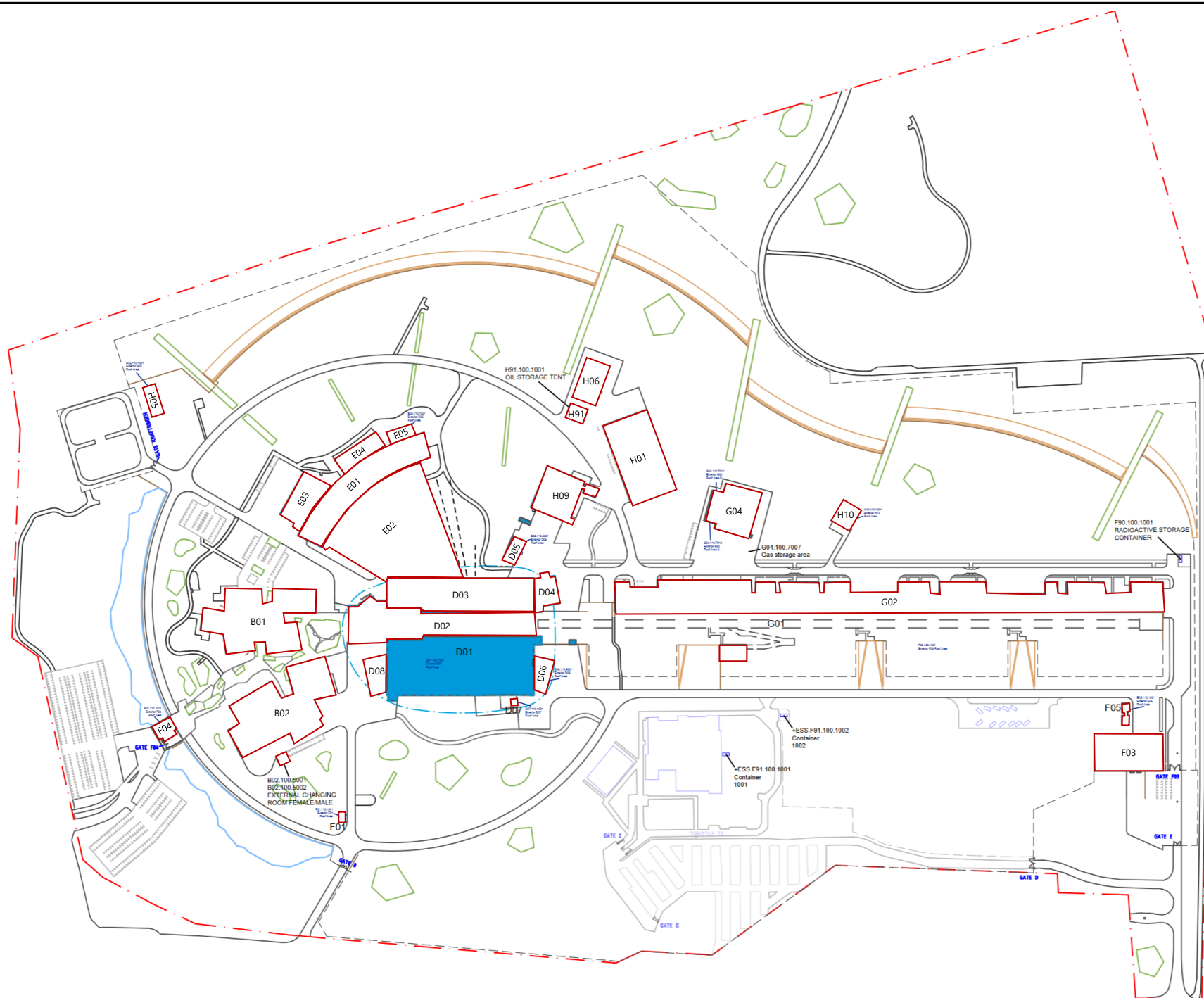
NSS Helium Recovery  
(OS-0000155)  
As-Designed

NSS Shielding and  
Safety  
(OS-0000122)  
As-verified

# AS-BUILT

As-Built and Relevant to ESTIA

As-Built but not Relevant to ESTIA



# 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 ESTIA CIDL



- CIDL has been updated with documentation captured in the Green, Orange, Red and ISRR pages for the instrument  
(<https://chess.ess.eu/3dspace/link/21308.51166.29098.38699/valid>).
- ESTIA PSS CIDL is released as-designed  
(<https://chess.ess.eu/3dspace/link/21308.51166.52163.56028/valid>)
- ESS Facility Configuration Baseline Plan is released in rev 22  
(<https://chess.ess.eu/3dspace/link/ESS-0482562/21308.51166.26954.63338/valid>)
- Facility baseline release report is prepared and will be started for review after ISRR report is finalized.  
(<https://chess.ess.eu/3dspace/link/ESS-6063413/21308.51166.26954.64607/valid>)



# Status of ESTIA 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.
- Missing documentation and verification is for some of the control systems Data Management & Experiment Control System (=ESS.NSS.H01.ESTIA.K02). Meeting has been held with ECDC and a system description will be created before SAR5.



# Status of ESTIA CIDL

- Open NCRs  
No open NCRs
  - Ongoing CCRs  
No ongoing CCRs
  - NIT (As of 2026-06-10)  
15 NITs open
- 0 to be resolved by iSRR  
3 to be resolved by iSAR  
12 to be resolved by iORR