

System Acceptance Review meeting for ODIN

ODIN Chopper System = ESS.NSS.H01.ODIN.A01.R01

Status Report

ODIN Chopper System

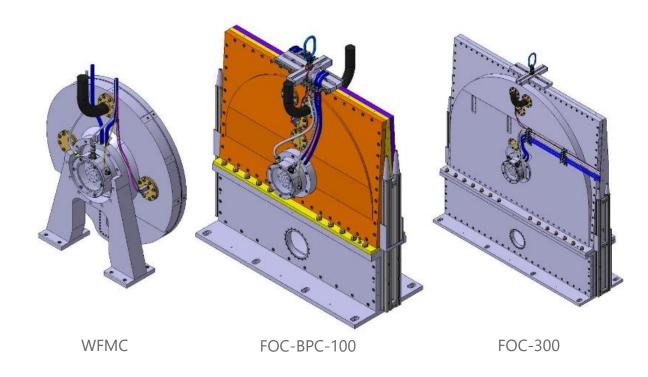


- Installed and commissioned
- Integrated and tested in all control layers



System name	FBS	EPL	CR	Deferred	FAT	SAT	Decl. of Conformity
ODIN chopper system	ODIN.A01.R01	ESS-4049690	CR.13.190	R01.R03 – T0	ESS-5356485	ESS-5471971	CE – ESS-5457132

- Complete CE-marked scope supply by AIRBUS
- Two chopper assemblies on translation stages (translation stages not in chopper scope)
- WFMC-101 700mm 56Hz
- WFMC-102 700mm 56Hz
- Two double disc face-to-face chopper assemblies
- FOC-BPC-100 2x 1000mm 42 / 14 Hz
- FOC-BPC-200 2x 1000mm 42 / 14Hz
- Three single disc chopper assemblies
- FOC-300 1200mm 28Hz
- FOC-400 1500mm 14Hz
- FOC-500 1500mm 14Hz
- Three Standard chopper control rack
- T0 Chopper ESS supply Deferred Scope



Status Report ODIN Chopper System

- SAT performed
- ESS-5471971 SAT protocol
- ESS-5456760 User and maintenance instruction
- System is working as intended
- Systems ready for hot commissioning
- NIT-462 Alignment reports missing
- The choppers were aligned with respect to the guide system.
- Installation drawings were not updated no alignment reports produced.
- System not operationally effected.
- Plan to update installation drawings and produce alignment reports not resource prioritized.
- NIT-463 FOC-500 inspection incomplete
- Physical inspection of system not performed at SAT due to shielding being in place.
- No sign of issues whilst running the system.
- Inspect system at first planned shielding removal (unclear date).
- NIT-464 / NC-10454 Isolation and PE deviation
- System not isolated. It is grounded to instrument ground.
- Closed in CR-10454.
- · Not affecting performance of system.

Test	case	Pass/Fail	Note
1.	Verification of system document completeness	Pass	
2.	Deferred tests from ingoing FATs	N/A	
3.	Verification of installed positions of mechanical assemblies	Fail	NIT-462
4.	Verification of mechanical chopper interfaces	Pass	
5.	Verification of system remote handling capabilities.	Pass	
6.	Verification of mechanical assembly installation quality	Fail	NIT-463
7.	Verification of cooling system	N/A	
8.	Verification of system electrical isolation and grounding	Fail	NIT-464 / NC-10454
9.	Verification of rack electrical system	Pass	
10.	Verification of CHIC hardware interlocks	Pass	
11.	Verification of chopper performances	Pass	
12.	Verification of chopper control via epics	Pass	
13.	Verification of timing system	Pass	
14.	Verification of vacuum levels and leak rates	Pass	

Hot commissioning

ODIN Chopper System

- System ready for hot commissioning SAT passed.
- Chopper group planned activities for hot commissioning:
- Support instrument team with chopper related issues.
- Technician support if requested.
- Engineering support if requested.
- Scientific support if requested.
- User and maintenance manuals available ESS-5456760
- Displaced working hours available if required.
- Currently no on-call support available.



2025-12-02 PRESENTATION TITLE/FOOTER