

EUROfusion PSD Management Meeting

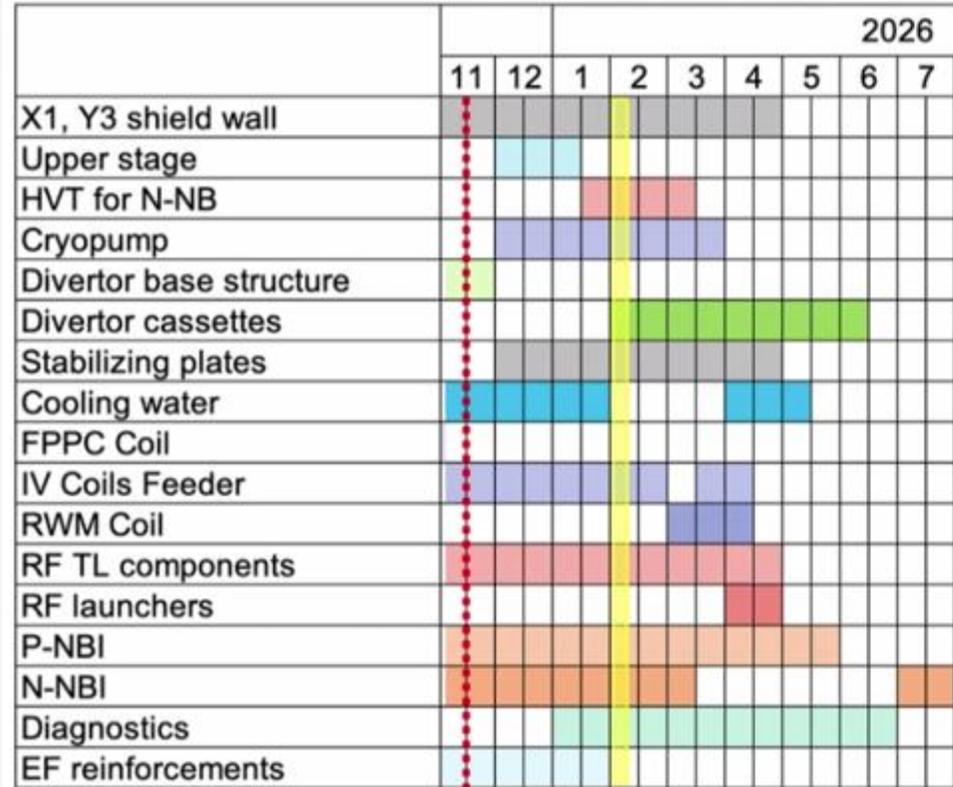
WPSA report 2026-02-10

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ME-1 Schedule from TCM-44
K.Takahashi

- ✓ Port restoration for coil repairment access opening:
On-going: 3 openings out of 5 were completed, rest 2 are under work.
- ✓ Boundary box (B.B.) assembly
Even; P06, P08, P16 piping inside B.B. was completed.
Odd; P17 piping outside B.B. was leakage-tested (1/9).
- ✓ Primary cooling water piping:
 - Upper vertical pipe unit
Leakage test on the In-VV side is on-going (5/9).
 - Supply & drain for diagnostics & in-VV coils.
On-going: first wall cooling piping for the inboard is under welding
On-going: first wall cooling piping for the outboard at P09, P11, P13
- ✓ Upper stage:
Completed. (except one horizontal support out of 8)
- ✓ Stabilizing Plate Pre-assembly
Assembly of the support leg at P03, P06, P07, P08, P09, P10, P11 are completed.
- ✓ In-vessel Coil feeder
Coil feeders for EFCC are under work at P02, P05, P08 and P14. Feeders at P11 was completed.

Port activities

Tokamak infra.

In-vessel



ME1



Status: Diagnostics

PCM-332 5/2/2026

TRO: T. Nakano



Installation schedule in Torus Hall

	2025						2026											
	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	#	12
Edge Thomson Scattering system	Rar P8								PortPlu	Fibre				Rayleigh scatteri				
Neutron profile monitor system	P10											Calibration						
Thomson Scattering system	P8				Laser Line					Optics/Fibre								
Divertor Langmuir Probe system				cabling														
CO ₂ polarimeter system					CCR													Rea
Penning gauge					P7,8,9													
ECE system					P11				Wave	Calibration								
VUV spectrometer system					P10					Calibration								
Neutron Monitor system									P6	P18	Calibration							Rea
XICS		P10Floor									Calibration							
Div VUV									P12U		Calibration							
Bolometer system					Finalizing				P1(P10U)	Fibre	P18							Rea
Visible Spectrometer & Da emission monitor									P6U	P4F	Portplu	Calibration						
Visible TV camera system									P15	P6	P18	Rearrangement	P11					
IRTV camera system									P15		P6	Calibration						Neutron
SX intensity measurement system									P14									
CXRS		P6								Fibre	P5/6/7	Portplug						
MSE polarimeter system											P17/Fibre							
TESPEL system														P9				
FIDA												Calibration						
TPCI																		work in Diag room

Window cleaning & shutter test done

The port plug ready for installation at torus hall

Cabling between Torus Hall and PIG room completed

Laser adjustment ongoing

Laser adjustment ongoing with the replacement (newer laser)

Gauges on cassette, cabling up to (not thorough) the FT.

The port plug installation completed

Remaining components will be installed after XICS 9th Mar.

P18 FC will be installed in Jun 2026

Preparation work on P10 floor ongoing

One of Mirrors damaged. Recovery work ongoing.

The port plug installation at P18U completed

The port plug installation at P06U completed

Leak test for the window passed.

Calibration ongoing

The port plug installation at P14U completed

Optical fibre found ok w several fibres only broken)

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Ablation monitor design ongoing

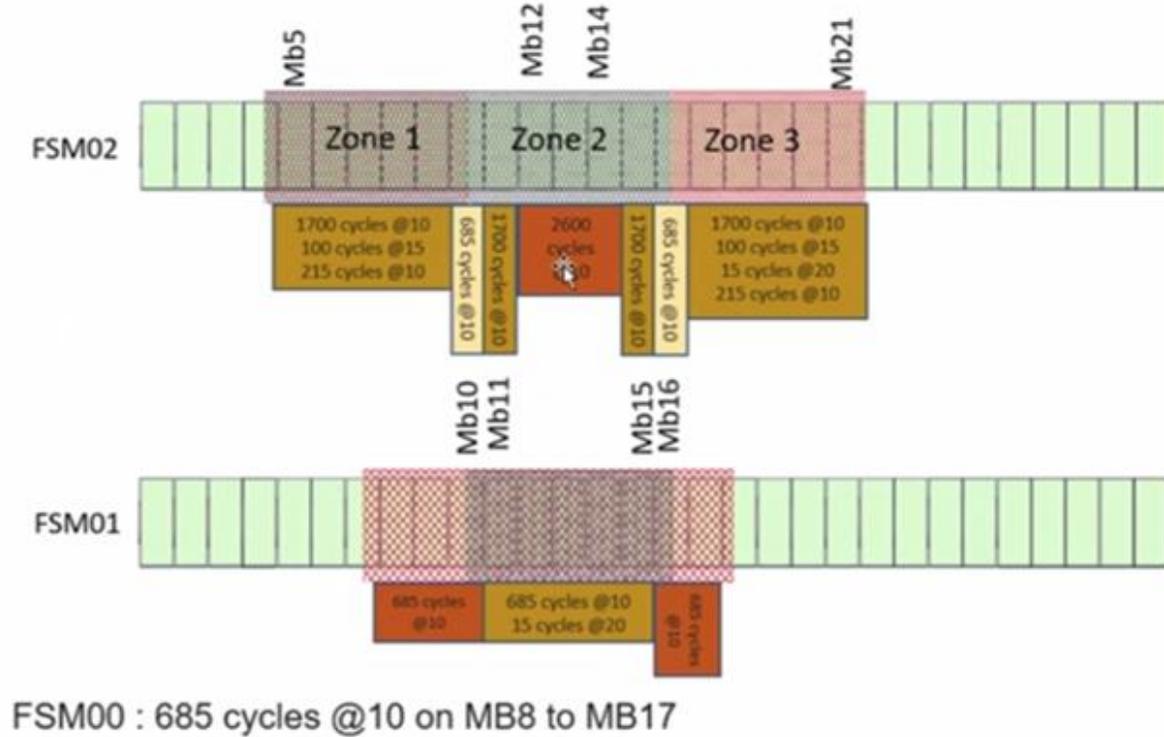
GA colleagues onsite for DAQ system

Ex collective TMS laser disassembling contracted



Full scale HF divertor tiles mock-up test successful in HADES

Recap on FSM



FSM02

- 2600 pulses at 10MW/m²
- 100 pulses at 15MW/m²
- 15 pulses at 20MW/m²

FSM01

- 685 pulses at 10MW/m²
- 15 pulses at 20MW/m²

FSM00

- 685 pulses at 10MW/m²





Div VUV inspection



- Port plug nearly touching the test vacuum chamber during the extraction
- Strong stress applied to the welding, visual inspection required
- Visual inspection to check the status after transportation also completed



Inspection inside VUV port plug



✓ Welding of the port plug with the frange looks OK



✓ A nut and washer found inside the spectrometer



Wire fragment found inside the port plug



✓ Covered by white stain



Systems installation

- Div VUV under repair in the coil winding room
- Schedule and procedure being agreed among QST, EuF team, F4E
 - Safety rules do not allow the use of the alignment laser (class 3) in the winding room (laser absolutely needed)
 - Safety rules do not allow EU personnel to work (hands on) in the tokamak hall until the safety course is delivered
 - Class 2 laser instead being used provisionally for alignment, making the activity more difficult and uncertain
- Edge TS installation started, no problems up to now
 - Shutter tested
 - Window cleaning procedure tested
- Failed EDICAM control PC being replaced (F4E purchasing)
 - Visit of the EDICAM team for software installation being planned



WPSA news

- 49/56 task reports collected
- Task definition for 2026 activities ongoing

