

Items planned for the different restart phases (not in order)

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| R1 – ohmic phase (5 days, August 2011) |
| First technical plasma |
| Basic PPCC commissioning – Limiter and first diverted plasmas |
| Essential basic WALLS commissioning |
| PIW plasma test (parasitic) |
| ASync – NIB4 and NIB8 |
| R2 – L-mode phase (15 days, August-September 2011) |
| Complete basic PPCC commissioning |
| Commissioning basic plasma configurations |
| PIW end to end commissioning with plasma (cameras w/o filters) |
| PIW commissioning (cameras with filters and RTPS stops) |
| New WALLS commissioning (part I) |
| Commissioning of sweep capability |
| RF commissioning |
| LH commissioning |
| NBI8 SYNC commissioning |
| HFPI SYNC commissioning |
| Diagnostic validation (during C28a) – KK1, KK3 and KY4 |
| Diagnostic validation – KS8, KT3, KT7 and KV6 |
| R3 – H-mode phase (10 days, October 2011) |
| Commission new WALLS new functionality (part II) |
| Commission P1 enhancement (POET) |
| VDE tests for new and modified configurations |
| PIW (Validate PEWS2, shine-through, inter-pulse cooling) |
| RF commissioning |
| LH commissioning |
| NBI4 SYNC commissioning |
| HFPI SYNC commissioning |
| Diagnostic validation – KA2, KK5, KS7 and KS5, beam into gas |
| R4 (8 days, in 2 parts, November 2011 and early January 2012) |
| PIW RF and LH local managers commissioning |
| VTM cause identification |
| WALLS final checks |
| EFCC controller (n=2 and/or n=1) |
| RF commissioning |
| Diagnostic validation – KE11, KN1 and KN3 |
| Commissioning of kicks |
| Tasks left from previous restarts |