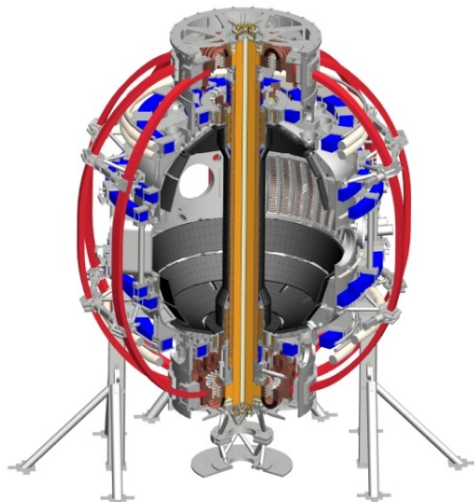


Physics Operations Status Pre-forum meeting

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**Pre-forum meeting
1-28-14**

*Coll of Wm & Mary
Columbia U
CompX
General Atomics
FIU
INL
Johns Hopkins U
LANL
LLNL
Lodestar
MIT
Lehigh U
Nova Photonics
ORNL
PPPL
Princeton U
Purdue U
SNL
Think Tank, Inc.
UC Davis
UC Irvine
UCLA
UCSD
U Colorado
U Illinois
U Maryland
U Rochester
U Tennessee
U Tulsa
U Washington
U Wisconsin
X Science LLC*



*Culham Sci Ctr
York U
Chubu U
Fukui U
Hiroshima U
Hyogo U
Kyoto U
Kyushu U
Kyushu Tokai U
NIFS
Niigata U
U Tokyo
JAEA
Inst for Nucl Res, Kiev
Ioffe Inst
TRINITI
Chonbuk Natl U
NFRI
KAIST
POSTECH
Seoul Natl U
ASIPP
CIEMAT
FOM Inst DIFFER
ENEA, Frascati
CEA, Cadarache
IPP, Jülich
IPP, Garching
ASCR, Czech Rep*

Control Status

- FPDP - Works
- ACQ - Works
- PCS itself – Works (minor glitch on restores)
- Status of some key algorithms
 - GIS – Software ready for testing
 - FOMD for low level control voltage ready ~Mar. 1
 - Shape control codes
 - Day 0 – Ready to test (ISTP will provide test in anger)
 - PCC – Ready to test (and some plasma to determine gains)
 - RWM control codes
 - 80% ready for testing in March
 - RT-EFIT and Isoflux
 - Will require operation and EFIT analysis to fully test

Basically ready (after testing) for CD4 and first plasma

Control gains will require plasma ops. for final determination

Training and Hardware

- Physics operator training plans
 - Will hold Physics Operators' course after CD4
 - Physics Operators
 - Mueller, Raman, Battaglia, Stevenson (Kolemen, Diallo)
 - New - Guttenfelder, Boyer, others contact me
- Status of gas injection system hardware
 - Eight gas delivery systems installed in gallery
 - Installation of 4 gas injection systems will be completed this week
 - Lines from supply to injectors will be complete in ~ 6 weeks
 - New valve driver in April, old VD will be used for CD4
- Massive gas injection
 - Top valve installed, 2nd tested, ready to ship, 3rd in 2 months
 - Piping, not installed, but hardware ready by July
 - Control system needed, planning meeting near the end of March