

PEPPo Readiness Punchlist (March 7, 2012)

#	Due	Issue	Task	Status
1	04/15/12	RR#1 - Control documents	KW generate RSAD LC/AF/JG/EV generate COO, ESAD	RSAD completed 2/21 LC working on COO
2	04/15/12	RR#2 - Are SRF fast valves needed to protect cryounit	JG clarify w/ HA need of fast valves before/after LSD start	HA indicate on 3/7 BCM & BLM FSD sufficient for <1uA CW before LSD; no risk to NP after
3	03/15/12	RR#3 - PEPPo vacuum	RL interlock vacuum to FSD	Done, reconfigured 2/28
4	04/15/12	RR#4 - Vacuum window epoxy	PA make-up test windows FEL provide dose test-bed PA initial vacuum test two windows BL/JG/KW put in FEL dump PA/DK pressure test dosed windows	Windows to FEL dump on 3/7
5	03/15/12	RR#5 - Machine protection	JG verify MPS BLM protection at at positron branch point	Done, BLM exists
6	03/01/12	RR#6 - Magnets	JG apply admin control of wall plug power	Done, Admin LOTO
7	04/01/12	RR#7 - Targets ladder thermal analysis	JG provide beam and target info DM provide engineering info JF provide thermal analysis	JF started ANSYS 3/7
8	04/20/12	RR#8 - Evaluate rapid access	Kw generate RSAD	RSAD completed 2/21
9	04/15/12	RR#9 - Develop operational procedures	AF develop chain of command OPS develop PEPPo mask	Redundant with COO
10	03/15/12	DAQ - VERY HIGH PRIORITY	AC install & cable 12-bit FADC mode=1,2 EV/EF/RS fanout & distribute signals AC/DA implement CODA interrupt EV/EF/RS replace TI w/ individual trigger HD/EV install & cable 12-bit FADC mode=3 EV propose pickup coil readout JG complete list of EPICS for Archiver/CODA	DAQ team agreed 2/24 JG posted EPICS list 3/7

11	03/31/12	DAQ - HIGH PRIORITY	EV/EF/RS add CODA readout for mode=3 AC/EF add EPICS readout to CODA RS debug semi-integrated mode AC test simple mode=3 decoder AC update start of run script JSR/RS add bpms for position and differences AC/RS/DA setup opsmdaq0=CODA, opsmdaq1=analysis AC/RS/DA organize CODA configuration, software AC/RS/DA start using "idaq" to run CODA	DAQ team agreed 2/24
12	04/15/12	DAQ - MODERATE PRIORITY	EF complete decoder for mode=3 BM add on-line scaler via xscaler or Mott EF check scaler reset EF add header decoder EF check mode=3 scaler 1 output TBD test asymmetry calculation for modes 2,3 RS/EF document DAQ	DAQ team agreed 2/24
13	05/01/12	DAQ - LOW PRIORITY	TBD add a beam sync trigger RS readout T2 with ItoV TBD explore delayed helicity decoder	DAQ team agreed 2/24
14	03/01/12	VIEWER ITV5D03 operation	PA short term fix w/ local tank	Done, viewer ready to use
15	07/01/12	VIEWER ITV5D03 springs	DM specify new spring set PA build/swap new spring set for permanent repair	Job to be done after PEPPo or opportunisitically
16	03/15/12	VIEWER ITV5D03 video shows ITV5D01	TD to correctly show video+name w/ ITV5D03	TD corrected 3/7
17	03/15/12	VIEWER lights not working	EESIC to correctly illuminate viewers on insertion	TD identified open ground wire, waiting to test 3/7
18	03/15/12	COLLIMATOR	JG define geometry AF define software modifications SW implement modifications JG/AF test current monitoring	JG collecting as-found measurements 3/7
19	03/15/12	Add magnet field maps/limits	JG/SH for MPC5D02, MPD5D03, MPT5D04, MPA5D05	JG to work problem week 3/12
20	03/15/12	Annihilation BS readiness plans	TF submit list of tasks and beam studies...	Nothing received...
21	03/15/12	Fiber array BS readiness plans	PG/LA submit list of tasks and beam studies...	Nothing received...

22	03/15/12	Compton BS readiness plans	EV/EF submit list of tasks and beam studies...	Nothing received...
23	03/21/12	Produce decks for modelling	YK complete Elegant model from unit to target YK complete Elegant model from T1 to T2 SG/PG complete G4 model from T1 to T2 YK/SG/PG benchmark w/ e- beams no target	No status update...
24	04/01/12	Test & integrate pick-up coils	EV/JG test pickup coils in ISB vs. MPA5D05 current EV develop plan for measurement	EV submitted ATLAS for testing 3/7
25	05/01/12	Build a high current MPT5D04	DM/PA produce identical spool 2.5" OD PA/JC pull out spare + supports, disassemble coil JG provide coil turns and current specification JG provide controls info (lead, lcw, klixons) DM/JG design/order magnet (coil, steel, lcw, klixons) JD wind coils, assemble magnet KB hi-pot coils, map profile	JG cal'd optics spec, working solution ideas 3/7. The spool is due 4/1.
26	03/15/12	Improve shielding Compton detector	RadCon decomission lead sheet in tunnel DM design steel plate JG lead bag holes to polarimeter COLLAB reconfigure lead cap EV/EF evaluate improvements TBD who is doing shielding simulations???	RadCon agreed to decomission lead sheet. A steel support is being fab'd due 3/14.
27	04/01/12	Show MPD5D03A on songsheet	ENG to correct error	Request to Wolfley 3/4
28	03/15/12	Complete BCM MPS chain	TA verify 5MHz fiber signal good BC/SB connect MPS fiber TA modify couplers to improve from 50nA to 10nA	Waiting on BS access time...
29	03/15/12	Does picoammeter null offset?	PK investigate why null button doesn't work	JG to test w/ channel access
30	04/01/12	Evolve EDM screens	JG work with BM to update control screens	JG to work problem week 3/19
31	03/15/12	Insert "positron viewers" for CW	JG define issue w/ Gary Croke GC implement viewer insertion OK	