

PEPPo Readiness Punchlist (March 1, 2012)

#	Due	Issue	Task	Status
1	04/20/12	RR#1 - Control documents	a) KW generate RSAD b) JG/LC/AF generate COO, ESAD	RSAD completed 2/21
2	04/20/12	RR#2 - Fast valves	JG learn if other controls sufficient	Sent query to HA
3	04/20/12	RR#3 - PEPPo vacuum	RL interlock vacuum to FSD	Done, reconfigured 2/28/12
4	04/20/12	RR#4 - Vacuum window	Evaluate rad damage to epoxy a) PA make-up test windows b) KW/JG provide dose test-bed c) PA vacuum test d) DK pressure test e) DM/BDT provide vendor, test info	Control test of windows Research previous tests
5	04/20/12	RR#5 - Machine protection	JG verify MPS BLM protection at at positron branch point	Done, BLM exists
6	ASAP	RR#6 - Magnets	JG apply admin control of wall plug power	Done, Admin LOTO
7	04/01/12	RR#7 - Targets and ladder	Produce a target thermal analysis a) JG provide beam and target info b) DM provide engineering info c) JF provide thermal analysis	JG/DM plan on 2/29
8	04/20/12	RR#8 - Radiation	KW evaluate rapid access	Done, with new guidance
9	04/20/12	RR#9 - Ops procedures	Develop operational procedures a) AF develop chain of command b) OPS develop PEPPo mask	Redundant with COO?
10	03/15/12	DAQ - VERY HIGH	AC setup 12-bit FADC Mode=1,2 EV/EF/RS set fanout and cable configuration AC/DA implement CODA interrupt EV/EF/RS replace TI w/ individual trigger HD deploy 12-bit FADC 12-bit Mode=3 EV propose pickup coil readout JG complete list of EPICS for Archiver/CODA	DAQ team agreed 2/24

11	03/31/12	DAQ - HIGH	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 add bpms for position and differences AC setup opsmdaq0=CODA, opsmdaq1=analysis AC organize CODA configuration, software AC start using "idaq" to run CODA	DAQ team agreed 2/24
12	04/15/12	DAQ - MODERATE	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 EF setup control files update RS/EF document DAQ	DAQ team agreed 2/24
13	05/01/12	DAQ - LOW	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	ASAP	VIEWER ITV5D03 video	CN to correctly show video+name w/ ITV5D03	Request sent 3/1
17	ASAP	VIEWER lights not working	EESIC to correctly illuminate viewers on insertion	Troubleshooting continues 3/1
18	03/15/12	COLLIMATOR	a) JG define geometry b) AF define software modifications c) SW implement modifications d) JG/AF test current monitoring	
19	03/15/12	MAGNET field maps/limits	a) JG for capture magnet b) JG for spectrometer magnet c) JG for transport solenoid d) JG for analyzing magnet	

20	04/15/12	Annihilation readiness	TF submit list of tasks and beam studies...	
21	04/15/12	Fiber array readiness	PG/LA submit list of tasks and beam studies...	
22	04/15/12	Compton readiness	EV/EF submit list of tasks and beam studies...	
23	ASAP	Modeling	a) YK complete Elegant model from unit to target b) YK complete Elegant model from T1 to T2 c) SG/PG complete G4 model from T1 to T2 d) YK/SG/PG benchmark w/ e- beams no target	
24	04/01/12	Compton pickup coils	a) EV/JG verify pickup coils work b) EV develop plan for measurement	
25	05/01/12	MAGNET MPT5D04 high cur.	a) DM/PA produce identical spool b) PA/JC pull out spare + supports, disassemble coil c) JG provide coil turns and current specification d) JG provide controls info (lead, lcw, klixons) e) DM/JG design/order magnet (coil, steel, lcw, klixons) f) JD wind coils, assemble magnet g) KB hi-pot coils, map profile	JG/DM worked plan on 2/29
26	ASAP	COMPTON - shielding	a) RadCon decomission lead sheet in tunnel b) DM design/submit steel plate w/ same support c) JG lead bag holes to polarimeter d) COLLAB reconfiure lead cap e) EV/EF evaluate improvements f) TBD who is doing shielding simulations???	JG/DM proposed plan 2/29
27	ASAP	DOC - MPD5D03A not shown	ENG to correct error, release draft songsheet	
28	03/15/12	Complete BCM / MPS	a) TA verify 5MHz fiber signal good b) BC/SB connect MPS fiber c) TA modify couplers to improve from 50nA to 10nA	
29	ASAP	PICOAMMETER null offset	PK investigate why null button doesn't work	
30	03/15/12	Complete EDM screens	JG work with BM to update control screens	