

Category	Priority	Reported by	Status:
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Other	Priority	Reported by	Status:
PP1 document	A	Fred	All items Gil asked for have been posted by Fred. Gil is writing document.
PP0 document	A	All	Eric will have first draft by Friday, mostly text. He will add figures to final draft by next Friday.

Sectors

Bend tubes/harden	In progress	Tom J	DONE. 1 Strain relief to be bonded.
Modify strain reliefs	In progress	Tom J	DONE. Parts are being phos-anodized now.
Bond foam to faceplates	A	Jon W	There is an issue of foam thickness and faceplate thickness. The foam is not quite as uniform as hoped, but mostly the faceplates are much more variable. Jon is ending up with foam thicknesses that are greater than the space allowed in the target sector thickness. He will need to crush small parts of the foam by about 25-50 microns, but this requires significant force. He may try vacuum instead, but this has issues as well. Jon wants to mull over the data some more before making any more progress. Do we machine foam/faceplate combo flat?
Heaters on kapton	B	Tom/Tom/Jon	There is some question as to whether there are any good heaters. The "old set" is peeling and too small, but this may actually be the "new set". Tom W will investigate.
Mount all modules on 1st sector	A	Fred	All but 1 module mounted. Maurice has that one module and will give it to Fred when ready?
Tooling for module mounting	A	Fred	Design is done, some parts are made. Right now waiting for approval of costs involved. How many do we make? Maurice is looking to campus for cheaper shop rates. Eric suggested that SLA may be a possibility.
Sector test box revisions	B	Tom J	No Progress. But do we need the box now, with the module mounting carrier?
Next shipment to EB	A	Tom J, Neal	Shipment ready, PO has been acquired. Case will be sent on Thursday.

Rings and Mounts

Try mounts on plate	B	All	No one understands what this line item means.....
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Frame

Sand sections flat	A	Tom J	No Progress.
Revise pinning scheme	A	Tom J	No Progress.
Pins, bolts fasteners	B	Jon, Neal	Jon has list of fasteners, must add PST fastener list to master list of fasteners to purchase.

PST and related

Shear strength samples	A	Neal	The 5 irradiated samples were lost. The 5 un-irradiated samples are half way through the bonding process. Anmol is checking to see if there is enough material to make and irradiate 5 more samples. If not, he must layup a new plate with heater, using the new material.
Analysis Update	B	Neal	Model has been divided into all parts with their respective materials and shell thicknesses and orientations. Ready to be meshed and run, before next week, hopefully.
Mandrel status	A	Neal	Mandrel is at plater, Carts are at paint shop. Mandrel will be assembled early next week, packaged, and shipped as an assembly. It should arrive by end of next week.
Preparations to receive mandrel	B	Neal	Room must be cleaned and organized. Anmol may take part in this. Many of the boxes have been marked for disposal to make more space. One cart will be stored inside the autoclave, mandrel cart will be stored outside with mandrel on it. We must install the rail ladder-frame inside the clave when it arrives (bolt in place).
Material Delivery/Freezer	Done	Neal	Material has arrived as of Thursday. It is all stored in the Walk-in freezer.

Beam pipe support/service panels

Revise service panel model/drawings	Ongoing	Eric	Eric's presentation to the service task force received no comments, so he is proceeding with the proposed service panel design.
Trolley design	Ongoing	Alexis	Interface to Beam pipe structure has been defined, Alexis is sending information to Dave Uken for incorporation into the full beampipe model.
PP0 prototype	A	Maurice	Done. Waiting for more parts of panel in order to do anything else. Do we attach PP1 flexes to it?
Simple mockup, cable lengths	A	?	No progress?

PP1

Mechanical fabricate prototype	In progress	Fred	Got bellows quote, \$16K for 350, 1.8 times the amount needed for detector (spares, testing, etc.) Waiting for Gil's approval.
Fabricate electrical feedthroughs	Done	Maurice	
Solder wires to feedthroughs	A	Fred	All strips have wires on 1 side. Fred needs to laminate them, not sure when it will be done.
Beam pipe attach for services FDR	A	Fred	This is the "can". No Progress.
Test prototype cooling fittings	A	Tom W	Temp cycling is complete, will start pressure cycling Thursday. Decided to pressure to 16 bar, even though these are exhaust and will not see that pressure during operation.
Material options	Ongoing	Neal	No Report.

Cooling tubes

Baseline design status	A	Eric, Neal	Keep original system, with addition of necessary dP at filter/restriction device at PP1.
Test capillary welds	B	Tom W	Fixture to test welds has been made, but no testing completed yet.
Optoboard cooling loop	B	Eric	Depends on service panel design.