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Progress in DTL 1 commissioning is has been very good over the last week and while we are still running at small average beam ($\sim 1/2000$ of the design value) a lot of diagnostics is brought online, all of which allows us evaluate the transverse and longitudinal beam properties of the beam accelerated to DTL 1. Much of this will be discussed during the ASAC review that is upcoming in two weeks. While welding on the EMD's goes well in general, EMD drift tube 1-55 has a short and needs to be repaired. The 'Ready for RF' date that is still on the schedule for Tank 2 is unrealistic and will need to be changed. The plan is still to commission tank 1,2,3 by the end of January. Changes in the schedule this week regarding top hats and shrouds are that they will be shipped together with the first drift tube family per tank. Therefore the change in dates.

On tank-2 Group J magnet installation and cap welding is underway. Stress relief of all units is complete. Waveguide machining is complete and the unit has arrived back in Los Alamos for final leak checking and cleaning. On tank-4 final profiling is complete on groups A, B and C and continues for a portion of group D. Numerous failures of drift tube bore plugs were experienced; this prompted an additional cleaning of all tank four PMQ drift tubes. New bore plugs of a simpler, more robust design are being fabricated and will be used during all future machining. On tank-5 water channel weld repairs and cap welds at Hanford are on hold due to an e-beam welding machine failure and personnel availability. The component required to repair welding machine arrived and is being installed. Machine check out and resumption of production welding is expected on 9/8. On tank 6 all drift tubes are ready for weld repairs and cap welds; they are in the queue at Hanford behind tank-5 drift tubes; welding is expected to start 9/15 and finish 9/19. The waveguide is at CMI for final machining. On tank 3 the waveguide is at CMI for final machining.

Of concerns is that the repair of the Hanford e-beam welder is impacting delivery schedule of DTL tank-4, 5, and 6 PMQ and empty drift tubes. Qualification of ESCO to do the remaining tank-6 drift tubes (as a back-up option to Hanford welding) is underway. Shutdown of stem welding capability due to personnel availability at Scientific Sales next week will require additional efforts later to maintain schedule. CMI indicates that they can regain schedule loss through other operations

In Oak Ridge tank 2 is assembled and ready for vacuum leak checking. Tank 5 is in preparation in the Front End building. Things are gearing up to expect DT delivery and start assembly.

Component	Engineer	Tank 4					Tank 5				
		Identifier	Quantity	Shipping Date	Delivered	Change from last week	Identifier	Quantity	Shipping Date	Delivered	Change from last week
Drift Tubes	Gentzlinger	4A	7	24-Sep-03	0		5E	8	27-Oct-03	0	
		4B	6	25-Sep-03	0		5F	7	29-Oct-03	0	
		4C	6	29-Sep-03	0		5G	8	3-Nov-03	0	
		4D	8	15-Oct-03	0						
Dummies	Gentzlinger			With DT Groups				With DT Groups			
EMDs	O'Hara		4	29-Oct-03	0		4	13-Nov-03	0		
BPMs	O'Hara		2	29-Oct-03	0		2	29-Oct-03	0		
Top hats	Rowton	1.25"	27	24-Sep-03	0		1.25"	23	27-Oct-03	0	
Shrouds	Rowton		27	24-Sep-03	0			23	27-Oct-03	0	
Endwalls	Turon		2	Complete	2			2	Complete	2	
Post Coupler Kits	Rowton		27	Bead Pull + 15	0			23	Bead Pull + 15	0	
Slug Tuners	Rowton		12	Bead Pull + 7	0			12	Bead Pull + 7	0	
Access Ports			2		0			2		0	
RF Grills			4		0			4		0	
Wave Guide-Iris	Valdiviez		1	Complete	1	0		1	Complete	1	
Window	Young		1	Complete	1	0		1	Complete	1	
Stands	Turon		1	Complete	1			1	Complete	0	

Milestones	Date	Date
Ready for RF	14-Nov-03	?
Ready for Beam	28-Feb-04	28-Feb-04
Tank Commissioning complete	1-May-04	1-May-04

Component	Engineer	Tank 6					Tank 2				
		Identifier	Quantity	Shipping Date	Delivered	Change from last week	Identifier	Quantity	Shipping Date	Delivered	Change from last week
Drift Tubes	Gentzlinger	6H	10	7-Nov-03	0		2J	12	9-Oct-03	0	
		6I	11	14-Nov-03	0		2K	12	16-Oct-03	0	
Dummies	Gentzlinger			With DT Groups				None	0		
EMDs	O'Hara		4	13-Nov-03	0			4	9-Oct-03	0	
BPMs	O'Hara		2	5-Nov-03	0			2	16-Oct-03	0	
Top hats	Rowton	1.25"	21	7-Nov-03	0		.75"	41	9-Oct-03	0	
Shrouds	Rowton		21	7-Nov-03	0		1.00"	6	9-Oct-03	0	
Endwalls	Turon		2	Complete	2			47	9-Oct-03	0	
Post Coupler Kits	Rowton		21	Bead Pull + 15	0			2	Complete	2	
Slug Tuners	Rowton		12	Bead Pull + 7	0			27	Bead Pull + 15	0	
Access Ports			2		0			12	Bead Pull + 7	0	
RF Grills			4		0			1		0	
Wave Guide-Iris	Valdiviez		1	25-Sep-03	0	0		4		0	
Window	Young		1	15-Oct-03	0			1	17-Sep-03	0	
Stands	Turon		1	Complete	1	0		1	15-Oct-03	1	
								1	Complete	1	

Milestones	Date	Date
Ready for RF	?	14-Nov-03
Ready for Beam	28-Feb-04	30-Jan-04
Tank Commissioning complete	1-May-04	1-May-04