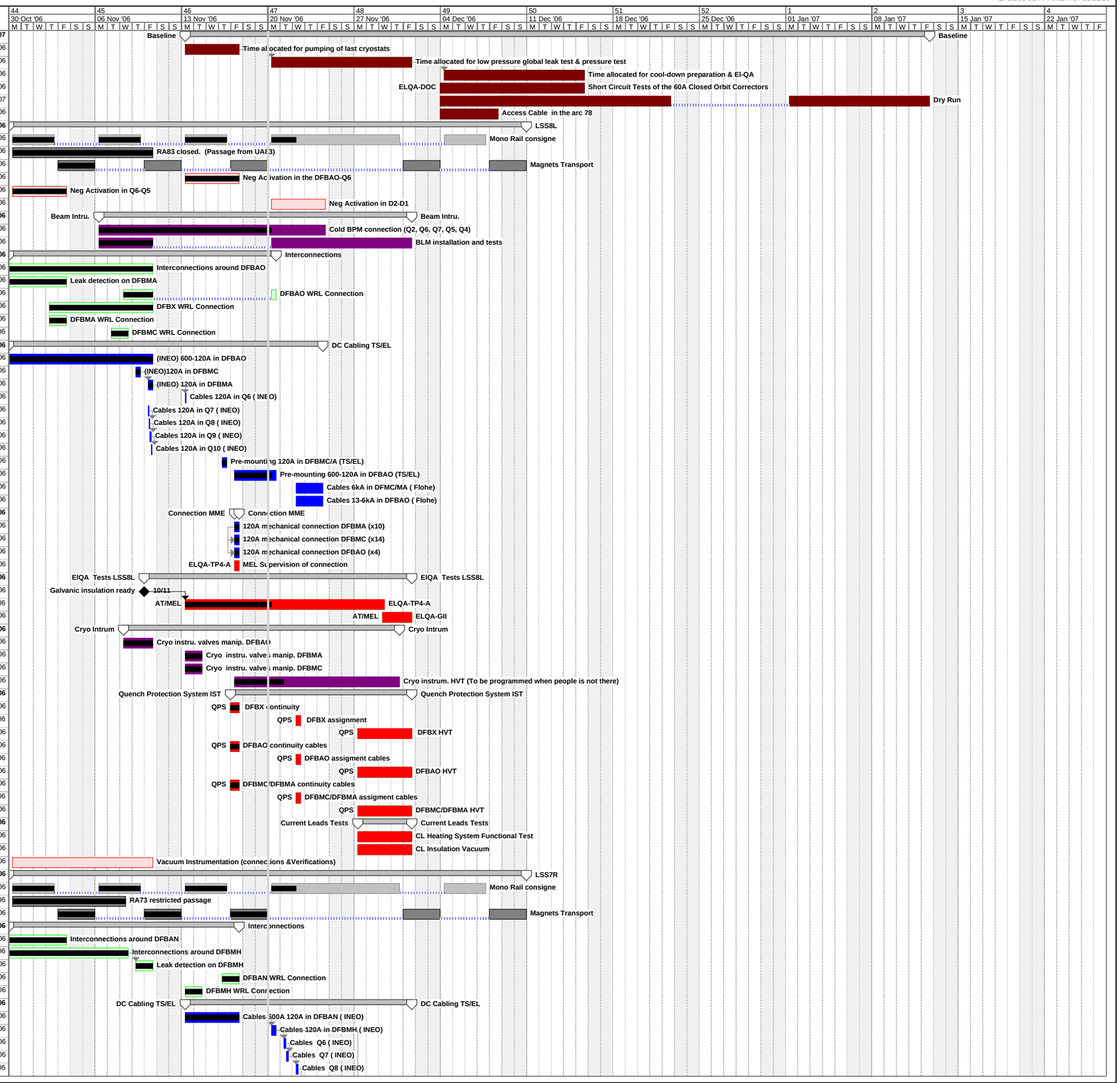
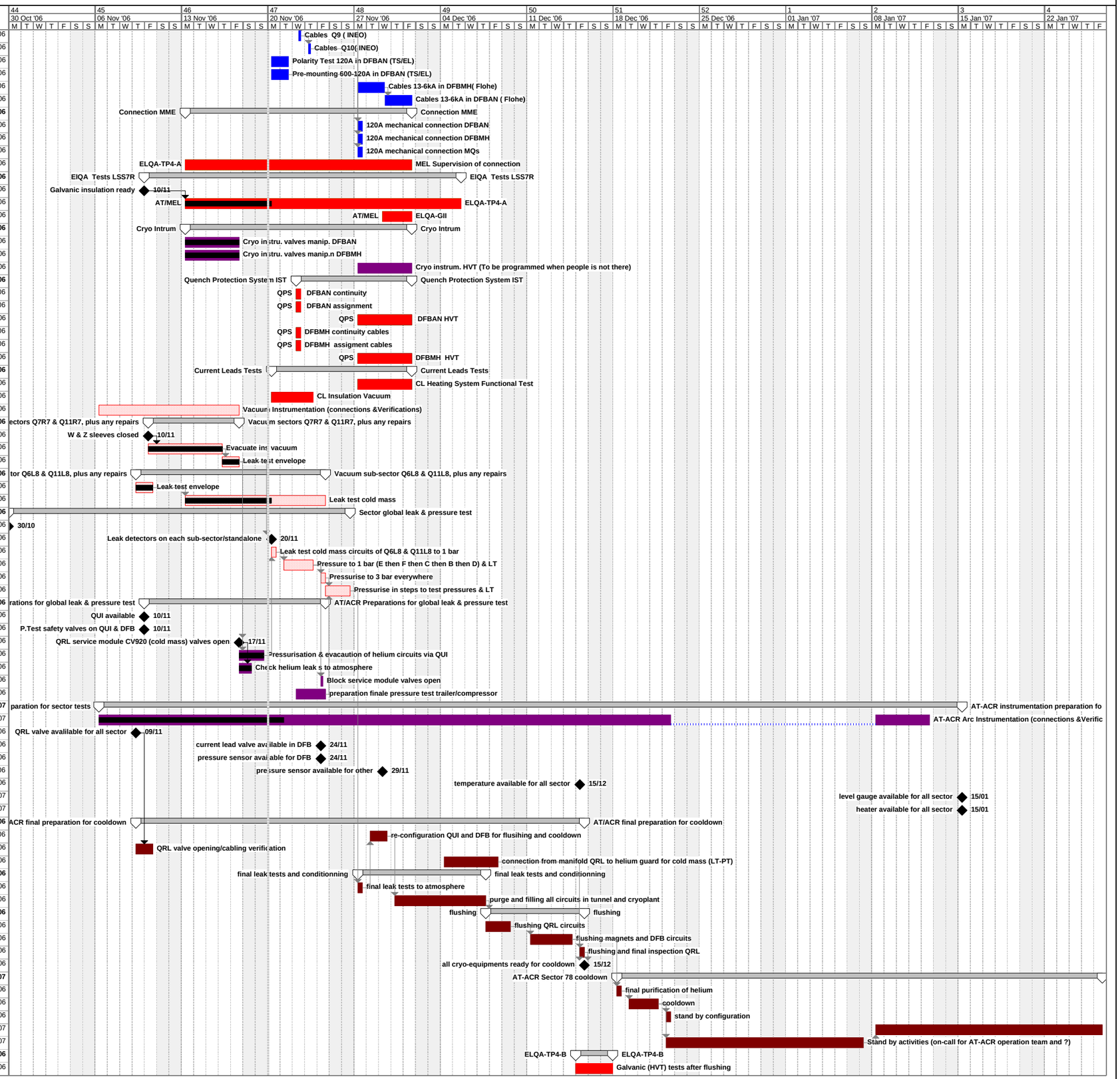
E. Barbero& K. Foraz Mon 20/11/06

ID	Task Name	% Complete	Duration	Start	Finish
1	**Baseline**	**0%**	**45 days**	**Mon 13/11/06**	**Fri 12/01/07**
2	Time allocated for pumping of last cryostats	0%	5 days	Mon 13/11/06	Fri 17/11/06
3	Time allocated for low pressure global leak test & pressure test	0%	10 days	Mon 20/11/06	Fri 01/12/06
4	Time allocated for cool-down preparation & El-QA	0%	2 wks	Mon 04/12/06	Fri 15/12/06
5	Short Circuit Tests of the 60A Closed Orbit Correctors	0%	2 wks	Mon 04/12/06	Fri 15/12/06
6	Dry Run	0%	5 wks	Mon 04/12/06	Fri 12/01/07
7	Access Cable in the arc 78	0%	1 wk	Mon 04/12/06	Fri 08/12/06
8	**LSS8L**	**37%**	**30 days**	**Mon 30/10/06**	**Mon 11/12/06**
9	Mono Rail consigne	56%	5 wks	Mon 30/10/06	Thu 07/12/06
10	RA83 closed. (Passage from UA83)	100%	2 wks	Mon 30/10/06	Fri 10/11/06
11	Magnets Transport	7%	38 edays	Fri 03/11/06	Mon 11/12/06
12	Neg Activation in the DFBAO-Q6	100%	1 wk	Mon 13/11/06	Fri 17/11/06
13	Neg Activation in Q6-Q5	100%	1 wk	Mon 30/10/06	Fri 03/11/06
14	Neg Activation in D2-D1	0%	1 wk	Mon 20/11/06	Fri 24/11/06
15	**Beam Intru.**	**50%**	**20 days**	**Mon 06/11/06**	**Fri 01/12/06**
16	Cold BPM connection (Q2, Q6, Q7, Q5, Q4)	67%	3 wks	Mon 06/11/06	Fri 24/11/06
17	BLM installation and tests	33%	3 wks	Mon 06/11/06	Fri 01/12/06
18	**Interconnections**	**97%**	**16 days**	**Mon 30/10/06**	**Mon 20/11/06**
19	Interconnections around DFBAO	100%	2 wks	Mon 30/10/06	Fri 10/11/06
20	Leak detection on DFBMA	100%	1 wk	Mon 30/10/06	Fri 03/11/06
21	DFBAO WRL Connection	75%	4 days	Wed 08/11/06	Mon 20/11/06
22	DFBX WRL Connection	100%	7 days	Thu 02/11/06	Fri 10/11/06
23	DFBMA WRL Connection	100%	2 days	Thu 02/11/06	Fri 03/11/06
24	DFBMC WRL Connection	100%	2 days	Tue 07/11/06	Wed 08/11/06
25	**DC Cabling TS/EL**	**67%**	**19.5 days**	**Mon 30/10/06**	**Fri 24/11/06**
26	(INEO) 600-120A in DFBAO	100%	2 wks	Mon 30/10/06	Fri 10/11/06
27	(INEO)120A in DFBMC	100%	1 day	Thu 09/11/06	Thu 09/11/06
28	(INEO) 120A in DFBMA	100%	1 day	Fri 10/11/06	Fri 10/11/06
29	Cables 120A in Q6 (INEO)	0%	0.2 days	Mon 13/11/06	Mon 13/11/06
30	Cables 120A in Q7 (INEO)	0%	0.2 days	Fri 10/11/06	Fri 10/11/06
31	Cables 120A in Q8 (INEO)	0%	0.2 days	Fri 10/11/06	Fri 10/11/06
32	Cables 120A in Q9 (INEO)	0%	0.2 days	Fri 10/11/06	Fri 10/11/06
33	Cables 120A in Q10 (INEO)	0%	0.2 days	Fri 10/11/06	Fri 10/11/06
34	Pre-mounting 120A in DFBMC/A (TS/EL)	100%	1 day	Thu 16/11/06	Thu 16/11/06
35	Pre-mounting 600-120A in DFBAO (TS/EL)	50%	2 days	Fri 17/11/06	Mon 20/11/06
36	Cables 6kA in DFMC/MA (Flohe)	0%	0.5 wks	Wed 22/11/06	Fri 24/11/06
37	Cables 13-6kA in DFBAO (Flohe)	0%	0.5 wks	Wed 22/11/06	Fri 24/11/06
38	**Connection MME**	**75%**	**1 day**	**Fri 17/11/06**	**Fri 17/11/06**
39	120A mechanical connection DFBMA (x10)	100%	1 day	Fri 17/11/06	Fri 17/11/06
40	120A mechanical connection DFBMC (x14)	100%	1 day	Fri 17/11/06	Fri 17/11/06
41	120A mechanical connection DFBAO (x4)	100%	1 day	Fri 17/11/06	Fri 17/11/06
42	MEL Supervision of connection	0%	1 day	Fri 17/11/06	Fri 17/11/06
43	**EIQA Tests LSS8L**	**32%**	**16 days**	**Fri 10/11/06**	**Fri 01/12/06**
44	Galvanic insulation ready	0%	0 days	Fri 10/11/06	Fri 10/11/06
45	ELQA-TP4-A	40%	2.5 wks	Mon 13/11/06	Wed 29/11/06
46	ELQA-GII	0%	3 days	Wed 29/11/06	Fri 01/12/06
47	**Cryo Intrum**	**53%**	**17 days**	**Wed 08/11/06**	**Thu 30/11/06**
48	Cryo instru. valves manip. DFBAO	100%	3 days	Wed 08/11/06	Fri 10/11/06
49	Cryo instru. valves manip. DFBMA	100%	2 days	Mon 13/11/06	Tue 14/11/06
50	Cryo instru. valves manip. DFBMC	100%	2 days	Mon 13/11/06	Tue 14/11/06
51	Cryo instrum. HVT (To be programmed when people is not there)	20%	10 days	Fri 17/11/06	Thu 30/11/06
52	**Quench Protection System IST**	**14%**	**11 days**	**Fri 17/11/06**	**Fri 01/12/06**
53	DFBX continuity	100%	1 day	Fri 17/11/06	Fri 17/11/06
54	DFBX assignment	0%	1 day	Wed 22/11/06	Wed 22/11/06
55	DFBX HVT	0%	5 days	Mon 27/11/06	Fri 01/12/06
56	DFBAO continuity cables	100%	1 day	Fri 17/11/06	Fri 17/11/06
57	DFBAO assigment cables	0%	1 day	Wed 22/11/06	Wed 22/11/06
58	DFBAO HVT	0%	1 wk	Mon 27/11/06	Fri 01/12/06
59	DFBMC/DFBMA continuity cables	100%	1 day	Fri 17/11/06	Fri 17/11/06
60	DFBMC/DFBMA assigment cables	0%	1 day	Wed 22/11/06	Wed 22/11/06
61	DFBMC/DFBMA HVT	0%	1 wk	Mon 27/11/06	Fri 01/12/06
62	**Current Leads Tests**	**0%**	**5 days**	**Mon 27/11/06**	**Fri 01/12/06**
63	CL Heating System Functional Test	0%	1 wk	Mon 27/11/06	Fri 01/12/06
64	CL Insulation Vacuum	0%	1 wk	Mon 27/11/06	Fri 01/12/06
65	**Vacuum Instrumentation (connections &Verifications)**	0%	2 wks	Mon 30/10/06	Fri 10/11/06
66	**LSS7R**	**42%**	**30 days**	**Mon 30/10/06**	**Mon 11/12/06**
67	Mono Rail consigne	56%	5 wks	Mon 30/10/06	Thu 07/12/06
68	RA73 restricted passage	100%	1.5 wks	Mon 30/10/06	Wed 08/11/06
69	Magnets Transport	46%	38 edays	Fri 03/11/06	Mon 11/12/06
70	**Interconnections**	**100%**	**15 days**	**Mon 30/10/06**	**Fri 17/11/06**
71	Interconnections around DFBAN	100%	1 wk	Mon 30/10/06	Fri 03/11/06
72	Interconnections around DFBMH	100%	1.6 wks	Mon 30/10/06	Wed 08/11/06
73	Leak detection on DFBMH	100%	2 days	Thu 09/11/06	Fri 10/11/06
74	DFBAN WRL Connection	100%	2 days	Thu 16/11/06	Fri 17/11/06
75	DFBMH WRL Connection	100%	2 days	Mon 13/11/06	Tue 14/11/06
76	**DC Cabling TS/EL**	**29%**	**15 days**	**Mon 13/11/06**	**Fri 01/12/06**
77	Cables 600A 120A in DFBAN (INEO)	100%	1 wk	Mon 13/11/06	Fri 17/11/06
78	Cables 120A in DFBMH (INEO)	0%	1 day	Mon 20/11/06	Mon 20/11/06
79	Cables Q6 (INEO)	0%	0.5 days	Tue 21/11/06	Tue 21/11/06
80	Cables Q7 (INEO)	0%	0.5 days	Tue 21/11/06	Tue 21/11/06
81	Cables Q8 (INEO)	0%	0.5 days	Wed 22/11/06	Wed 22/11/06



ID	Task Name	% Complete	Duration	Start	Finish
82	Cables Q9 (INEO)	0%	0.5 days	Wed 22/11/06	Wed 22/11/06
83	Cables Q10(INEO)	0%	0.5 days	Thu 23/11/06	Thu 23/11/06
84	Polarity Test 120A in DFBAN (TS/EL)	0%	2 days	Mon 20/11/06	Tue 21/11/06
85	Pre-mounting 600-120A in DFBAN (TS/EL)	0%	2 days	Mon 20/11/06	Tue 21/11/06
86	Cables 13-6kA in DFBMH(Flohe)	0%	0.5 wks	Mon 27/11/06	Wed 29/11/06
87	Cables 13-6kA in DFBAN (Flohe)	0%	0.5 wks	Wed 29/11/06	Fri 01/12/06
88	**Connection MME**	**0%**	**15 days**	**Mon 13/11/06**	**Fri 01/12/06**
89	120A mechanical connection DFBAN	0%	1 day	Mon 27/11/06	Mon 27/11/06
90	120A mechanical connection DFBMH	0%	1 day	Mon 27/11/06	Mon 27/11/06
91	120A mechanical connection MQs	0%	1 day	Mon 27/11/06	Mon 27/11/06
92	MEL Supervision of connection	0%	3 wks	Mon 13/11/06	Fri 01/12/06
93	**EIQA Tests LSS7R**	**25%**	**18 days**	**Fri 10/11/06**	**Tue 05/12/06**
94	Galvanic insulation ready	0%	0 days	Fri 10/11/06	Fri 10/11/06
95	ELQA-TP4-A	29%	3.4 wks	Mon 13/11/06	Tue 05/12/06
96	ELQA-GII	0%	3 days	Wed 29/11/06	Fri 01/12/06
97	**Cryo Intrum**	**67%**	**15 days**	**Mon 13/11/06**	**Fri 01/12/06**
98	Cryo instru. valves manip. DFBAN	100%	5 days	Mon 13/11/06	Fri 17/11/06
99	Cryo instru. valves manip.n DFBMH	100%	5 days	Mon 13/11/06	Fri 17/11/06
100	Cryo instrum. HVT (To be programmed when people is not there)	0%	5 days	Mon 27/11/06	Fri 01/12/06
101	**Quench Protection System IST**	**0%**	**8 days**	**Wed 22/11/06**	**Fri 01/12/06**
102	DFBAN continuity	0%	1 day	Wed 22/11/06	Wed 22/11/06
103	DFBAN assignment	0%	1 day	Wed 22/11/06	Wed 22/11/06
104	DFBAN HVT	0%	5 days	Mon 27/11/06	Fri 01/12/06
105	DFBMH continuity cables	0%	1 day	Wed 22/11/06	Wed 22/11/06
106	DFBMH assigment cables	0%	1 day	Wed 22/11/06	Wed 22/11/06
107	DFBMH HVT	0%	1 wk	Mon 27/11/06	Fri 01/12/06
108	**Current Leads Tests**	**0%**	**10 days**	**Mon 20/11/06**	**Fri 01/12/06**
109	CL Heating System Functional Test	0%	1 wk	Mon 27/11/06	Fri 01/12/06
110	CL Insulation Vacuum	0%	4 days	Mon 20/11/06	Thu 23/11/06
111	**Vacuum Instrumentation (connections &Verifications)**	0%	2 wks	Mon 06/11/06	Fri 17/11/06
112	**Vacuum sectors Q7R7 & Q11R7, plus any repairs**	**99%**	**6 days**	**Fri 10/11/06**	**Fri 17/11/06**
113	W & Z sleeves closed	0%	0 days	Fri 10/11/06	Fri 10/11/06
114	Evacuate ins vacuum	100%	6 edays	Fri 10/11/06	Thu 16/11/06
115	Leak test envelope	100%	2 days	Thu 16/11/06	Fri 17/11/06
116	**Vacuum sub-sector Q6L8 & Q11L8, plus any repairs**	**58%**	**12 days**	**Thu 09/11/06**	**Fri 24/11/06**
117	Leak test envelope	100%	2 days	Thu 09/11/06	Fri 10/11/06
118	Leak test cold mass	50%	2 wks	Mon 13/11/06	Fri 24/11/06
119	**Sector global leak & pressure test**	**0%**	**20 days**	**Mon 30/10/06**	**Sun 26/11/06**
120	AT/VAC supervision ready	0%	0 days	Mon 30/10/06	Mon 30/10/06
121	Leak detectors on each sub-sector/standalone	0%	0 days	Mon 20/11/06	Mon 20/11/06
122	Leak test cold mass circuits of Q6L8 & Q11L8 to 1 bar	0%	1 day	Mon 20/11/06	Mon 20/11/06
123	Pressure to 1 bar (E then F then C then B then D) & LT	0%	3 days	Tue 21/11/06	Thu 23/11/06
124	Pressurise to 3 bar everywhere	0%	1 day	Fri 24/11/06	Fri 24/11/06
125	Pressurise in steps to test pressures & LT	0%	2 edays	Fri 24/11/06	Sun 26/11/06
126	**AT/ACR Preparations for global leak & pressure test**	**72%**	**11 days**	**Fri 10/11/06**	**Fri 24/11/06**
127	QUI available	0%	0 days	Fri 10/11/06	Fri 10/11/06
128	P.Test safety valves on QUI & DFB	0%	0 days	Fri 10/11/06	Fri 10/11/06
129	QRL service module CV920 (cold mass) valves open	0%	0 days	Fri 17/11/06	Fri 17/11/06
130	Pressurisation & evacaution of helium circuits via QUI	100%	2 edays	Fri 17/11/06	Sun 19/11/06
131	Check helium leak s to atmosphere	100%	1 eday	Fri 17/11/06	Sat 18/11/06
132	Block service module valves open	0%	0.5 days	Fri 24/11/06	Fri 24/11/06
133	preparation finale pressure test trailer/compressor	0%	3 days	Wed 22/11/06	Fri 24/11/06
134	**AT-ACR instrumentation preparation for sector tests**	**28%**	**50 days**	**Mon 06/11/06**	**Mon 15/01/07**
135	AT-ACR Arc Instrumentation (connections &Verifications)	28%	8 wks	Mon 06/11/06	Fri 12/01/07
136	QRL valve avalilable for all sector	0%	0 days	Thu 09/11/06	Thu 09/11/06
137	current lead valve available in DFB	0%	0 days	Fri 24/11/06	Fri 24/11/06
138	pressure sensor available for DFB	0%	0 days	Fri 24/11/06	Fri 24/11/06
139	pressure sensor available for other	0%	0 days	Wed 29/11/06	Wed 29/11/06
140	temperature available for all sector	0%	0 days	Fri 15/12/06	Fri 15/12/06
141	level gauge available for all sector	0%	0 days	Mon 15/01/07	Mon 15/01/07
142	heater available for all sector	0%	0 days	Mon 15/01/07	Mon 15/01/07
143	**AT/ACR final preparation for cooldown**	**0%**	**27 days?**	**Thu 09/11/06**	**Fri 15/12/06**
144	re-configuration QUI and DFB for flusihing and cooldown	0%	2 days	Tue 28/11/06	Wed 29/11/06
145	QRL valve opening/cabling verification	0%	2 days	Thu 09/11/06	Fri 10/11/06
146	connection from manifold QRL to helium guard for cold mass (LT-PT)	0%	5 days?	Mon 04/12/06	Fri 08/12/06
147	**final leak tests and conditionning**	**0%**	**9 days**	**Mon 27/11/06**	**Thu 07/12/06**
148	final leak tests to atmosphere	0%	1 day	Mon 27/11/06	Mon 27/11/06
149	purge and filling all circuits in tunnel and cryoplant	0%	6 days	Thu 30/11/06	Thu 07/12/06
150	**flushing**	**0%**	**6 days**	**Thu 07/12/06**	**Fri 15/12/06**
151	flushing QRL circuits	0%	2 edays	Thu 07/12/06	Sat 09/12/06
152	flushing magnets and DFB circuits	0%	4 days	Mon 11/12/06	Thu 14/12/06
153	flushing and final inspection QRL	0%	1 day	Fri 15/12/06	Fri 15/12/06
154	all cryo-equipments ready for cooldown	0%	0 days	Fri 15/12/06	Fri 15/12/06
155	**AT-ACR Sector 78 cooldown**	**0%**	**30 days?**	**Mon 18/12/06**	**Fri 26/01/07**
156	final purification of helium	0%	1 day	Mon 18/12/06	Mon 18/12/06
157	cooldown	0%	3 days	Tue 19/12/06	Thu 21/12/06
158	stand by configuration	0%	1 day?	Fri 22/12/06	Fri 22/12/06
159	cooldown re-start	0%	15 days	Mon 08/01/07	Fri 26/01/07
160	Stand by activities (on-call for AT-ACR operation team and ?)	0%	16 edays	Fri 22/12/06	Sun 07/01/07
161	**ELQA-TP4-B**	**0%**	**1 day**	**Fri 15/12/06**	**Mon 18/12/06**
162	Galvanic (HVT) tests after flushing	0%	3 edays	Fri 15/12/06	Mon 18/12/06