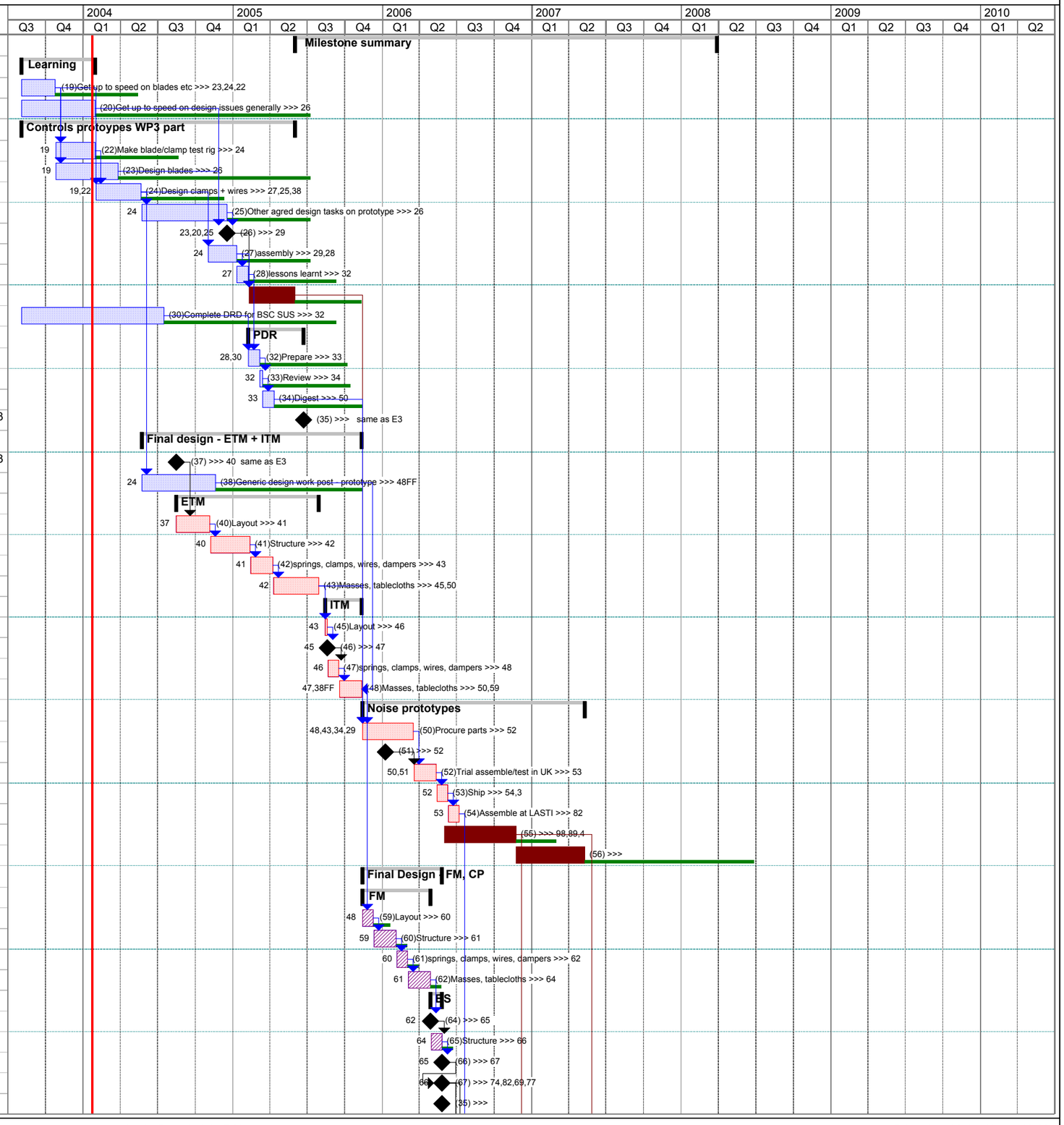
AL UK WP 3 plan

Last modified on 22 Jan 2004

M030161-02-K

ID	Task Name	Duration	Start	Finish	short name
1	**Milestone summary**	**677 days**	**01 Jun '05**	**28 Mar '08**	
18	**Learning**	**120 days**	**04 Aug '03**	**30 Jan '04**	
19	Get up to speed on blades etc	3 mons	04 Aug '03	24 Oct '03	
20	Get up to speed on design issues generally	6 mons	04 Aug '03	30 Jan '04	
21	**Controls protoypes WP3 part**	**448 days**	**04 Aug '03**	**01 Jun '05**	
22	Make blade/clamp test rig	3 mons	27 Oct '03	30 Jan '04	
23	Design blades	5 mons	27 Oct '03	26 Mar '04	
24	Design clamps + wires	4 mons	02 Feb '04	21 May '04	
25	Other agred design tasks on prototype	7 mons	24 May '04	17 Dec '04	
26	RAL Controls prot work complete	0 days	17 Dec '04	17 Dec '04	
27	assembly	2 mons	02 Nov '04	10 Jan '05	
28	lessons learnt	1 mon	11 Jan '05	07 Feb '05	
29	Controls prototype tests	80 days	10 Feb '05	01 Jun '05	
30	Complete DRD for BSC SUS	12 mons	04 Aug '03	16 Jul '04	
31	**PDR**	**97 days**	**08 Feb '05**	**23 Jun '05**	
32	Prepare	1 mon	08 Feb '05	07 Mar '05	
33	Review	1 wk	08 Mar '05	14 Mar '05	
34	Digest	1 mon	15 Mar '05	11 Apr '05	
35	Update	0 days	23 Jun '05	23 Jun '05	same as E3
36	**Final design - ETM + ITM**	**355 days**	**24 May '04**	**11 Nov '05**	
37	Final design kickoff meeting	0 days	16 Aug '04	16 Aug '04	same as E3
38	Generic design work post - prototype	6 mons	24 May '04	19 Nov '04	
39	**ETM**	**240 days**	**16 Aug '04**	**29 Jul '05**	
40	Layout	3 mons	16 Aug '04	05 Nov '04	
41	Structure	3 mons	08 Nov '04	11 Feb '05	
42	springs, clamps, wires, dampers	2 mons	14 Feb '05	08 Apr '05	
43	Masses, tablecloths	4 mons	11 Apr '05	29 Jul '05	
44	**ITM**	**65 days**	**15 Aug '05**	**11 Nov '05**	
45	Layout	1 wk	15 Aug '05	19 Aug '05	
46	Structure	0 days	19 Aug '05	19 Aug '05	
47	springs, clamps, wires, dampers	1 mon	22 Aug '05	16 Sep '05	
48	Masses, tablecloths	2 mons	19 Sep '05	11 Nov '05	
49	**Noise prototypes**	**359 days**	**14 Nov '05**	**10 May '07**	
50	Procure parts	4 mons	14 Nov '05	17 Mar '06	
51	Get OSEMS (from Birmingham)	0 days	09 Jan '06	09 Jan '06	
52	Trial assemble/test in UK	2 mons	20 Mar '06	12 May '06	
53	Ship	1 mon	15 May '06	09 Jun '06	
54	Assemble at LASTI	1 mon	12 Jun '06	07 Jul '06	
55	Noise prototype assy/install/test at LASTI (standalone)	115 days	02 Jun '06	23 Nov '06	
56	LASTI cavity tests	110 days	24 Nov '06	10 May '07	
57	**Final Design - FM, CP**	**130 days**	**14 Nov '05**	**26 May '06**	
58	**FM**	**110 days**	**14 Nov '05**	**28 Apr '06**	
59	Layout	1 mon	14 Nov '05	09 Dec '05	
60	Structure	1.5 mons	12 Dec '05	03 Feb '06	
61	springs, clamps, wires, dampers	1 mon	06 Feb '06	03 Mar '06	
62	Masses, tablecloths	2 mons	06 Mar '06	28 Apr '06	
63	**BS**	**20 days**	**28 Apr '06**	**26 May '06**	
64	Layout	0 days	28 Apr '06	28 Apr '06	
65	Structure	1 mon	01 May '06	26 May '06	
66	springs, clamps, wires, dampers	0 days	26 May '06	26 May '06	
67	Masses, tablecloths	0 days	26 May '06	26 May '06	
68	**CP placeholder**	**0 days**	**26 May '06**	**26 May '06**	



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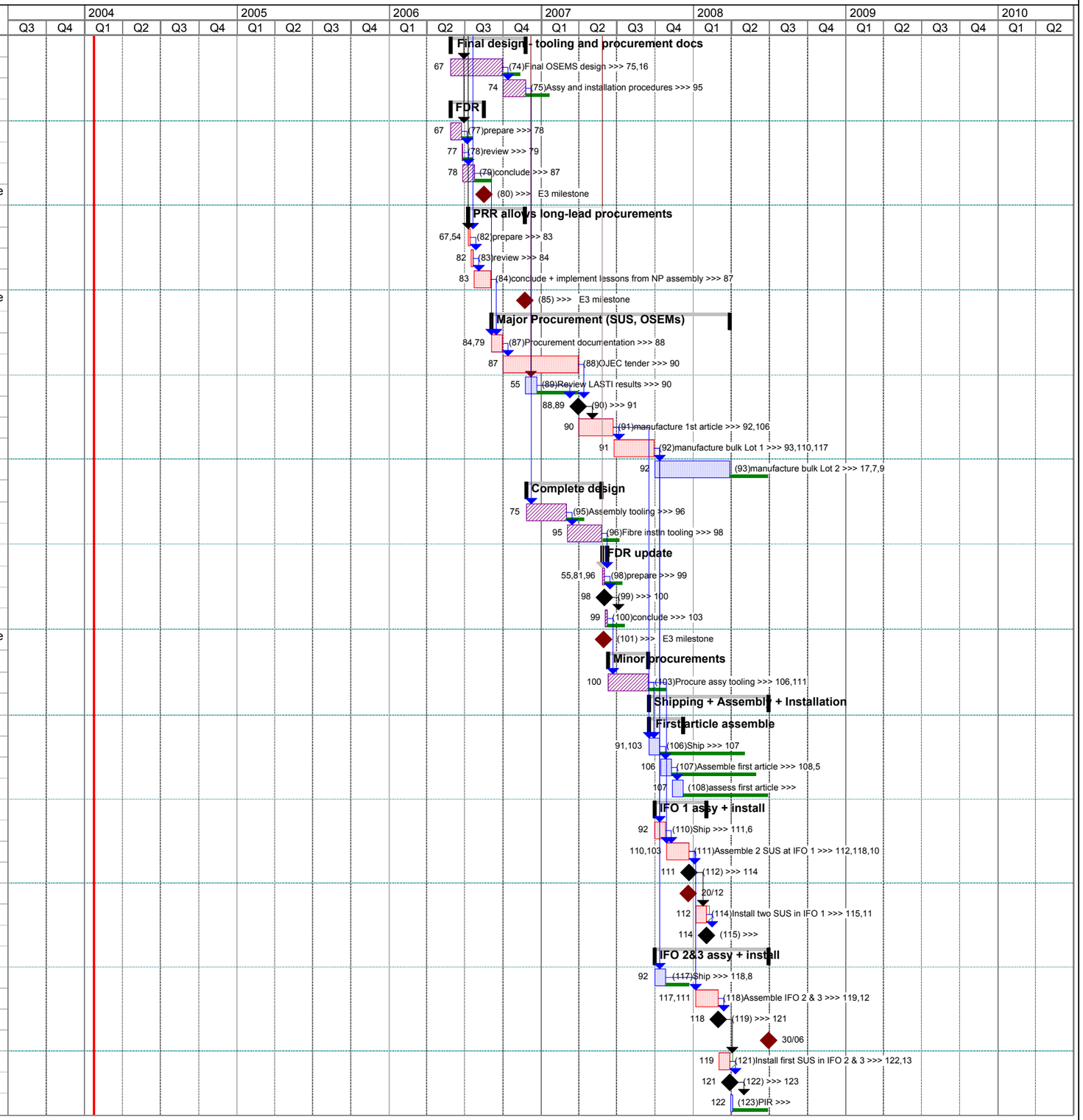
ID	Task Name	Duration	Start	Finish	short name
73	**Final design - tooling and procureme**	**120 days**	**29 May '06**	**24 Nov '06**	
74	Final OSEMS design	4 mons	29 May '06	29 Sep '06	
75	Assy and installation procedures	2 mons	02 Oct '06	24 Nov '06	
76	**FDR**	**50 days**	**29 May '06**	**17 Aug '06**	
77	prepare	1 mon	29 May '06	23 Jun '06	
78	review	1 day	26 Jun '06	26 Jun '06	
79	conclude	1 mon	27 Jun '06	24 Jul '06	
80	FDR in LIGO E3	0 days	17 Aug '06	17 Aug '06	E3 milestone
81	**PRR allows long-lead procurements**	**88 days**	**10 Jul '06**	**23 Nov '06**	
82	prepare	1 wk	10 Jul '06	14 Jul '06	
83	review	1 wk	17 Jul '06	21 Jul '06	
84	conclude + implement lessons from NP assembly	1 mon	24 Jul '06	01 Sep '06	
85	PRR Dennis	0 days	23 Nov '06	23 Nov '06	E3 milestone
86	**Major Procurement (SUS, OSEMs)**	**380 days**	**04 Sep '06**	**28 Mar '08**	
87	Procurement documentation	1 mon	04 Sep '06	29 Sep '06	
88	OJEC tender	6 mons	02 Oct '06	30 Mar '07	
89	Review LASTI results	1 mon	24 Nov '06	21 Dec '06	
90	Place contracts	0 days	30 Mar '07	30 Mar '07	
91	manufacture 1st article	3 mons	02 Apr '07	22 Jun '07	
92	manufacture bulk Lot 1	3 mons	25 Jun '07	28 Sep '07	
93	manufacture bulk Lot 2	6 mons	01 Oct '07	28 Mar '08	
94	**Complete design**	**120 days**	**27 Nov '06**	**25 May '07**	
95	Assembly tooling	3 mons	27 Nov '06	02 Mar '07	
96	Fibre instln tooling	3 mons	05 Mar '07	25 May '07	
97	**FDR update**	**10 days**	**28 May '07**	**08 Jun '07**	
98	prepare	1 wk	28 May '07	01 Jun '07	
99	review	0 days	01 Jun '07	01 Jun '07	
100	conclude	1 wk	04 Jun '07	08 Jun '07	
101	FDR update E3	0 days	31 May '07	31 May '07	E3 milestone
102	**Minor procurements**	**60 days**	**11 Jun '07**	**14 Sep '07**	
103	Procure assy tooling	3 mons	11 Jun '07	14 Sep '07	
104	**Shipping + Assembly + Installation**	**195 days**	**17 Sep '07**	**30 Jun '08**	
105	**First article assemble**	**60 days**	**17 Sep '07**	**07 Dec '07**	
106	Ship	1 mon	17 Sep '07	12 Oct '07	
107	Assemble first article	1 mon	15 Oct '07	09 Nov '07	
108	assess first article	1 mon	12 Nov '07	07 Dec '07	
109	**IFO 1 assy + install**	**80 days**	**01 Oct '07**	**01 Feb '08**	
110	Ship	1 mon	01 Oct '07	26 Oct '07	
111	Assemble 2 SUS at IFO 1	2 mons	29 Oct '07	21 Dec '07	
112	IFO 1 , 2 SUS assembled	0 days	21 Dec '07	21 Dec '07	
113	Dennis IFO 1 assembled	0 days	20 Dec '07	20 Dec '07	
114	Install two SUS in IFO 1	1 mon	07 Jan '08	01 Feb '08	
115	IFO 1, two SUS installed	0 days	01 Feb '08	01 Feb '08	
116	**IFO 2&3 assy + install**	**185 days**	**01 Oct '07**	**30 Jun '08**	
117	Ship	1 mon	01 Oct '07	26 Oct '07	
118	Assemble IFO 2 & 3	2 mons	07 Jan '08	29 Feb '08	
119	IFO 2&3, two SUS assembled	0 days	29 Feb '08	29 Feb '08	
120	Dennis IFO 2&3 assy completed	0 days	30 Jun '08	30 Jun '08	
121	Install first SUS in IFO 2 & 3	1 mon	03 Mar '08	28 Mar '08	
122	IFO 2&3, two SUS installed	0 days	28 Mar '08	28 Mar '08	
123	**PIR**	5 days	31 Mar '08	04 Apr '08