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ATLAS Upgrade Phase II					AP2 BCP-044 6.02 Strips Schedule Delta																25-Feb-22 14:47												
Activity ID	Activity Name	Planned Duration	New Start	New Finish	BL Start	BL Finish	Total Float	Variance - BL Finish Date	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
	MAB1390M10 Solicit Quotes - Passives and Partial ICs; Stock and Package	5	01-Mar-21	05-Mar-21	01-Mar-21	05-Mar-21	219	0																									
	MAB1390M20 Select Vendor and Place Order - Passives and Partial ICs; Stock and Package	5	08-Mar-21	12-Mar-21	08-Mar-21	12-Mar-21	219	0																									
	MAB1390M30 Delivery - Passives and Partial ICs; Stock and Package	99	15-Mar-21	02-Aug-21	15-Mar-21	02-Aug-21	219	0																									
	MAB1391 Order Passives and Partial ICs; Stock and Package 2	188	01-Jun-21*	28-Feb-22	04-May-21	02-Aug-21	200	-144																									
	MAB1391M PMT: Closeout - Passives and Partial ICs; Stock and Package 2	189	01-Jun-21*	01-Mar-22	04-May-21	31-Dec-21	200	-40																									
	MAB1392M PMT: Closeout - Passives and Partial ICs; Stock and Package 2 (2)	202	02-Mar-22	15-Dec-22			200																										
	07 - Production Batch 1	56	17-Feb-22	06-May-22	04-Jan-22	22-Mar-22	102	-33																									
	MAB1410 PCB Assembly First Batch of Boards Batch 1	20	17-Feb-22*	17-Mar-22	04-Jan-22	31-Jan-22	52	-32																									
	MAB1410M Material for PCB Assembly First Batch of Boards Batch 1	25	17-Feb-22	24-Mar-22	04-Jan-22	31-Jan-22	72	-37																									
	MAB1410T Travel for PCB Assembly First Batch of Boards Batch 1	20	17-Feb-22	17-Mar-22	04-Jan-22	31-Jan-22	138	-32																									
	MAB1420 BTR First Batch of Boards Batch 1	21	18-Mar-22	15-Apr-22	01-Feb-22	01-Mar-22	52	-33																									
	MAB1430 Ship to CERN Batch 1	5	18-Apr-22	22-Apr-22	02-Mar-22	08-Mar-22	52	-33																									
	MAB1430M Material for Ship to CERN Batch 1	5	18-Apr-22	22-Apr-22	02-Mar-22	08-Mar-22	52	-33																									
	MAB1440 Testing and QA Training at CERN Batch 1	10	25-Apr-22	06-May-22	09-Mar-22	22-Mar-22	52	-33																									
	MAB1440T Travel for Testing and QA Training at CERN Batch 1	10	25-Apr-22	06-May-22	09-Mar-22	22-Mar-22	102	-33																									
	08 - Production Batch 2	45	09-May-22	12-Jul-22	23-Mar-22	24-May-22	694	-33																									
	MAB1450 PCB Assembly Boards Batch 2	20	09-May-22	06-Jun-22	23-Mar-22	19-Apr-22	52	-33																									
	MAB1450M Material for PCB Assembly Boards Batch 2	20	09-May-22	06-Jun-22	23-Mar-22	19-Apr-22	684	-33																									
	MAB1450T Travel for PCB Assembly Batch 2	20	09-May-22																														



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ATLAS Upgrade Phase II

AP2 BCP-044 6.02 Strips Schedule Delta

25-Feb-22 14:47

Activity ID	Activity Name	Planned Duration	New Start	New Finish	BL Start	BL Finish	Total Float	Variance - BL Finish Date	16	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
	ELMB1605A	AVAIL: BTR Boards Batch 14	0		06-Feb-23		06-Feb-23	308	0							◆ AVAIL: BTR Boards Batch 14												
	21 - Production Batch 15	25	02-Feb-23	09-Mar-23	02-Feb-23	09-Mar-23	426	0								▼ 09-Mar-23, 21 - Production Batch 15												
	ELMB1610	BTR Boards Batch 15	22	02-Feb-23	06-Mar-23	02-Feb-23	06-Mar-23	236	0							■ BTR Boards Batch 15												
	ELMB1620M	Material for Ship Boards to Institutes Batch 15	3	07-Mar-23	09-Mar-23	07-Mar-23	09-Mar-23	426	0							■ Material for Ship Boards to Institutes Batch 15												
	ELMB1625A	AVAIL: BTR Boards Batch 15	0		09-Mar-23		09-Mar-23	426	0							◆ AVAIL: BTR Boards Batch 15												
	22 - Production Batch 16	25	07-Mar-23	10-Apr-23	07-Mar-23	10-Apr-23	269	0								▼ 10-Apr-23, 22 - Production Batch 16												
	ELMB1640	BTR Boards Batch 16	22	07-Mar-23	05-Apr-23	07-Mar-23	05-Apr-23	236	0							■ BTR Boards Batch 16												
	ELMB1650M	Material for Ship Boards to Institutes Batch 16	3	06-Apr-23	10-Apr-23	06-Apr-23	10-Apr-23	269	0							■ Material for Ship Boards to Institutes Batch 16												
	ELMB1652A	AVAIL: BTR Boards Batch 16	0		10-Apr-23		10-Apr-23	269	0							◆ AVAIL: BTR Boards Batch 16												
	23 - Production Batch 17	36	06-Apr-23	25-May-23	06-Apr-23	25-May-23	236	0								▼ 25-May-23, 23 - Production Batch 17												
	ELMB1660	BTR Batch 17	33	06-Apr-23	22-May-23	06-Apr-23	22-May-23	236	0							■ BTR Batch 17												
	ELMB1665M	Material for Ship Remaining Boards to Institutes Batch 17	3	23-May-23	25-May-23	23-May-23	25-May-23	236	0							■ Material for Ship Remaining Boards to Institutes Batch 17												
	ELMB1670A	AVAIL: BTR Remaining Boards Batch 17	0		25-May-23		25-May-23	236	0							◆ AVAIL: BTR Remaining Boards Batch 17												
	ELMB1680	MILESTONE: 100% ELMB Production Complete	0		25-May-23		25-May-23	236	0							◆ MILESTONE: 100% ELMB Production Complete												
	24 - MSU Expert Week at CERN	1105	01-Oct-18	13-Feb-23	01-Oct-18	13-Feb-23	308	0								▼ 13-Feb-23, 24 - MSU Expert Week at CERN												
	ELMB1025	ATLAS Expert Week in CERN	5	01-Oct-18	05-Oct-18	01-Oct-18	05-Oct-18	312	0							■ ATLAS Expert Week in CERN												
	ELMB1025T	Travel for ATLAS Expert Week in CERN	5	01-Oct-18	05-Oct-18	01-Oct-18	05-Oct-18	312	0							■ Travel for ATLAS Expert Week in CERN												
	ELMB1235	ATLAS Expert Week in CERN	5	04-Feb-20*	10-Feb-20	04-Feb-20	10-Feb-20	163	0							■ ATLAS Expert Week in CERN												
	ELMB1235T	Travel for ATLAS Expert Week in CERN	5	04-Feb-20	10-Feb-20	04-Feb-20	10-Feb-20	163	0							■ Travel for ATLAS Expert Week in CERN												
	ELMB1395	ATLAS Expert Week in CERN	5	09-Feb-21*	16-Feb-21	09-Feb-21	16-Feb-21	531	0							■ ATLAS Expert Week in CERN												
	ELMB1395T	Travel for ATLAS Expert Week in CERN	5	09-Feb-21	16-Feb-21	09-Feb-21	16-Feb-21	531	0							■ Travel for ATLAS Expert Week in CERN												
	ELMB1607	ATLAS Expert Week in CERN	5	07-Feb-23	13-Feb-23	07-Feb-23	13-Feb-23	308	0							■ ATLAS Expert Week in CERN												
	ELMB1607T	Travel for ATLAS Expert Week in CERN	5	07-Feb-23	13-Feb-23	07-Feb-23	13-Feb-23	308	0							■ Travel for ATLAS Expert Week in CERN												
	No AP2 Task Group - Temp	22	01-Apr-21	30-Apr-21	01-Apr-21	30-Apr-21	83	0								▼ 30-Apr-21, No AP2 Task Group - Temp												
	ELMB1205	Wait for Pre-Production Order PCB Boards	22	01-Apr-21	30-Apr-21	01-Apr-21	30-Apr-21	83	0							■ Wait for Pre-Production Order PCB Boards												
	6.05.03.90 L3 Project Management	2020	02-Oct-17	25-Sep-25	02-Oct-17	25-Sep-25	3	0								▼ 25-Sep-25, 6.05.03.90 L3 Project Management												
	L3 Project Management	2020	02-Oct-17	25-Sep-25	02-Oct-17	25-Sep-25	3	0								▼ 25-Sep-25, L3 Project Management												
	MGT53090	Project Management - FY18	250	02-Oct-17	26-Sep-18	02-Oct-17	26-Sep-18	2	0							■ Project Management - FY18												
	MGT53100	Project Management - FY19	250	01-Oct-18	25-Sep-19	01-Oct-18	25-Sep-19	3	0							■ Project Management - FY19												
	MGT53110	Project Management - FY20 Pre-MREFC	126	01-Oct-19	31-Mar-20	01-Oct-19	31-Mar-20	3	0							■ Project Management - FY20 Pre-MREFC												
	MGT53115	Project Management - FY20 MREFC	125	01-Apr-20	25-Sep-20	01-Apr-20	25-Sep-20	3	0							■ Project Management - FY20 MREFC												
	MGT53120	Project Management - FY21	250	01-Oct-20	27-Sep-21	01-Oct-20	27-Sep-21	3	0							■ Project Management - FY21												
	MGT53130	Project Management - FY22	250	01-Oct-21	27-Sep-22	01-Oct-21	27-Sep-22	3	0							■ Project Management - FY22												
	MGT53140	Project Management - FY23	250	03-Oct-22	27-Sep-23	03-Oct-22	27-Sep-23	2	0							■ Project Management - FY23												
	MGT53150	Project Management - FY24	250	02-Oct-23	25-Sep-24	02-Oct-23	25-Sep-24	3	0							■ Project Management - FY24												
	MGT53160	Project Management - FY25	250	01-Oct-24	25-Sep-25	01-Oct-24	25-Sep-25	3	0							■ Project Management - FY25												
	6.05.04 Low Voltage Power Supply	2272	03-Oct-16	25-Sep-25	03-Oct-16	25-Sep-25	423	0								▼ 25-Sep-25, 6.05.04 Low Voltage Power Supply												
	6.05.04.01 LVPS-UTA	2141	03-Oct-16	21-Mar-25	03-Oct-16	04-Oct-24	478	-115								▼ 21-Mar-25, 6.05.04.01 LVPS-UTA												
	00 - LVPS EX Milestone	1976	26-May-17	21-Mar-25	26-May-17	04-Oct-24	13	-115								▼ 21-Mar-25, 00 - LVPS EX Milestone												

Primary Baseline

Actual Work

Remaining Work

Critical Remaining Work

Milestone

Summary

Page 12 of 20

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ATLAS Upgrade Phase II				AP2 BCP-044 6.02 Strips Schedule Delta																25-Feb-22 14:47																							
Activity ID	Activity Name	Planned Duration	New Start	New Finish	BL Start	BL Finish	Total Float	Variance - f6	BL Finish Date	2017	2017	2018	2018	2019	2019	2020	2020	2021	2021	2022	2022	2023	2023	2024	2024	2025	2025	2026	2026	2027	2027	2028	2028	2029	2029	2030	2030	2031	2031	2032	2032	2033	2033
	LVP521135EX	EXTERNAL MILESTONE: V8.1 Brick Design Finalized (ANL)	0		26-May-17		26-May-17	437	0																																		
	LVP526999	LVPS UTA Schedule Contingency	89	13-Nov-24	21-Mar-25	31-May-24	04-Oct-24	13	-115																																		
	01 - LVPS Systems Engineering		1305	01-Aug-17	27-Sep-22	01-Aug-17	27-Sep-22	3	0																																		
	LVP528020	Systems Engineering 2017	43	01-Aug-17*	29-Sep-17	01-Aug-17	29-Sep-17	0	0																																		
	LVP528310	Systems Engineering 2018	252	02-Oct-17	28-Sep-18	02-Oct-17	28-Sep-18	0	0																																		
	LVP528320	Systems Engineering 2019	253	01-Oct-18	30-Sep-19	01-Oct-18	30-Sep-19	0	0																																		
	LVP528330	Systems Engineering 2020 Pre-MREFC	126	01-Oct-19	31-Mar-20	01-Oct-19	31-Mar-20	3	0																																		
	LVP528335	Systems Engineering 2020 MREFC	125	01-Apr-20	25-Sep-20	01-Apr-20	25-Sep-20	3	0																																		
	LVP528340	Systems Engineering 2021	250	01-Oct-20	27-Sep-21	01-Oct-20	27-Sep-21	3	0																																		
	LVP528350	Systems Engineering 2022	250	01-Oct-21	27-Sep-22	01-Oct-21	27-Sep-22	3	0																																		
	02 - Preparation for Prototype Production		252	03-Oct-16	29-Sep-17	03-Oct-16	29-Sep-17	437	0																																		
	LVP520000	MILESTONE: Start - Preparation for Prototype Production Phase 1	0	03-Oct-16*		03-Oct-16		0	0																																		
	LVP520010	Borrow Burn-in Station from ANL	5	03-Oct-16	07-Oct-16	03-Oct-16	07-Oct-16	90	0																																		
	LVP520020	Inventory of Parts on Hand for four Pre-Prototype Boards	4	10-Oct-16	14-Oct-16	10-Oct-16	14-Oct-16	90	0																																		
	LVP520030	Certify UTA Brick Check-out Test Stand	15	17-Oct-16	04-Nov-16	17-Oct-16	04-Nov-16	90	0																																		



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ATLAS Upgrade Phase II					AP2 BCP-044 6.02 Strips Schedule Delta																25-Feb-22 14:47															
Activity ID	Activity Name	Planned Duration	New Start	New Finish	BL Start	BL Finish	Total Float	Variance - BL Finish Date	16	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033										
										Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4									
	LVP524570	Final Design Review Preparation	18	23-Dec-19	17-Jan-20	23-Dec-19	17-Jan-20	81	0																											
	LVP526100	FDR Follow Up	28	20-Jan-20	27-Feb-20	20-Jan-20	27-Feb-20	81	0																											
	LVP526110T	Travel to UTA-CERN	34	20-Jan-20	06-Mar-20	20-Jan-20	06-Mar-20	608	0																											
	11 - Pre-Production		687	01-Apr-20	16-Dec-22	01-Apr-20	01-Apr-22	49	-180																											
	LVP527000	MILESTONE: Start - Pre-Production	0	01-Apr-20		01-Apr-20		58	0																											
	LVP527010	Procurement and Delivery of Pre-Production Components	149	01-Apr-20	30-Oct-20	01-Apr-20	30-Oct-20	58	0																											
	LVP527010M	Material for Procurement and Delivery of Pre-Production Components	149	01-Apr-20	30-Oct-20	01-Apr-20	30-Oct-20	120	0																											
	LVP527011	Procurement and Delivery of Pre-Production Components 2	127	02-Nov-20	03-May-21	02-Nov-20	03-May-21	120	0																											
	LVP527011M	Material for Procurement and Delivery of Pre-Production Components 2	127	02-Nov-20	03-May-21	02-Nov-20	03-May-21	120	0																											
	LVP527012	Procurement and Delivery of Pre-Production Components 3	189	04-May-21	01-Feb-22	04-May-21	15-Jul-21	120	-138																											
	LVP527012M	Material for Procurement and Delivery of Pre-Production Components 3	189	04-May-21	01-Feb-22	04-May-21	15-Jul-21	120	-138																											
	LVP527030	Procurement and Delivery of Pre-Production PCB's	144	08-Apr-20	30-Oct-20	08-Apr-20	30-Oct-20	58	0																											
	LVP5270301	Wait on Material for Procurement and Delivery of Pre-Production PCB's	53	17-May-21	30-Jul-21	17-May-21	30-Jul-21	58	0																											
	LVP527030M	Material for Procurement and Delivery of Pre-Production PCB's	11	02-Aug-21	16-Aug-21	02-Aug-21	16-Aug-21	58	0																											
	LVP527031	Procurement and Delivery of Pre-Production PCB's 2	127	02-Nov-20	03-May-21	02-Nov-20	03-May-21	58	0																											
	LVP527032	Procurement and Delivery of Pre-Production PCB's 3	9	04-May-21	14-May-21	04-May-21	14-May-21	58	0																											
	LVP527050	Procurement and Delivery of Components of Duplicate Test Stands	30	01-Apr-20	12-May-20	01-Apr-20	12-May-20	73	0																											
	LVP527050M	Material for Procurement and Delivery of Components of Duplicate Test Stands	30	01-Apr-20	12-May-20	01-Apr-20	12-May-20	73	0																											
	LVP527070	Commission Duplicate Test Stands	21	02-Aug-21	30-Aug-21	02-Aug-21	30-Aug-21	58	0																											
	LVP527080	Pre-Production PCB Assembly	100	25-Oct-21*	17-Mar-22	02-Aug-21	15-Oct-21	0	-105																											
	LVP527080M	Material for Pre-Production PCB Assembly	83	01-Nov-21*	01-Mar-22	02-Aug-21	15-Oct-21	0	-93																											
	LVP527080T	Travel for Pre-Production PCB Assembly	86	12-Nov-21*	17-Mar-22	02-Aug-21	15-Oct-21	0	-105																											
	LVP527081M	Material for Pre-Production PCB Assembly	34	02-Mar-22	18-Apr-22			22																												
	LVP527100	Wait to Check-out and Burn-in Tests on Pre-Production Bricks	23	18-Apr-22*	18-May-22	02-Aug-21	01-Sep-21	0	-179																											
	LVP527110	Check-out and Burn-in Tests on Pre-Production Bricks	64	19-May-22	18-Aug-22	02-Sep-21	02-Dec-21	0	-180																											
	LVP527115T	Travel to UTA-CERN	12	02-Aug-22*	17-Aug-22	04-Sep-20	09-Nov-20	0	-448																											
	LVP527120	MILESTONE: Pre-Production Complete	0		18-Aug-22		02-Dec-21	0	-180																											
	LVP527130	Ship Pre-Production Bricks to CERN	26	19-Aug-22	26-Sep-22	03-Dec-21	10-Jan-22	0	-181																											
	LVP527130A	AVAIL: Pre-Production Bricks for NIU	0		26-Sep-22		10-Jan-22	0	-181																											
	LVP527130M	Material for Ship Pre-Production Bricks to CERN	26	19-Aug-22	26-Sep-22	03-Dec-21	10-Jan-22	49	-181																											
	LVP527140	Integration Tests at CERN and Final Review	57	27-Sep-22	16-Dec-22	11-Jan-22	01-Apr-22	49	-180																											
					Page 16 of 20																TASK filter: AP2 Filter Out OBLG.															
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