

EIC - Working File				EIC - Near Critical Path by Subsystem																											
Data Date: 02-Jan-2020				TASK filter: Near Critical Path.																											
BS	Activity ID	Activity Name		Original Duration	Start	Finish	Total Float	19	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	40		
									FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33	FY34	FY35	FY36	FY37	FY38	FY39			
SC Magnets				2353	02-Apr-2020	28-Aug-2029	35	28-Aug-2029, SC Magnets																							
Accelerator Systems R&D				1379	02-Apr-2020	03-Oct-2025	0	03-Oct-2025, Accelerator Systems R&D																							
Interaction Region (IR)				1639	01-Feb-2023	28-Aug-2029	35	28-Aug-2029, Interaction Region (IR)																							
NC Magnets				2113	01-Oct-2021	20-Mar-2030	97	20-Mar-2030, NC Magnets																							
Electron Injector Management				1249	03-Oct-2022	30-Sep-2027	64	30-Sep-2027, Electron Injector Management																							
Rapid Cycling Synchrotron				1744	01-Oct-2021	22-Sep-2028	36	22-Sep-2028, Rapid Cycling Synchrotron																							
Electron Storage Ring Magnets - Dipole, Sextupole				2113	01-Oct-2021	20-Mar-2030	97	20-Mar-2030, Electron Storage Ring Magnets - Dipole, Sextupole																							
Interaction Region (IR)				1075	18-Oct-2024	15-Feb-2029	89	15-Feb-2029, Interaction Region (IR)																							
Cryogenics				2123	03-Oct-2022	03-Apr-2031	25	03-Apr-2031, Cryogenics																							
2K Satellite Plants IR02, IR06, IR10				314	02-Jan-2030	03-Apr-2031	25	03-Apr-2031, 2K Satellite Plants IR02, IR06, IR10																							
Reconfiguration of Existing and New 4K Distribution				1370	03-Oct-2022	29-Mar-2028	44	29-Mar-2028, Reconfiguration of Existing and New 4K Distribution																							
2K Cryogenic Distribution & 4K HSR Connections				1825	02-Oct-2023	23-Jan-2031	24	23-Jan-2031, 2K Cryogenic Distribution & 4K HSR Connections																							
Vacuum				1991	01-Apr-2021	20-Mar-2029	93	20-Mar-2029, Vacuum																							
Accelerator Systems R&D				366	03-Oct-2022	22-Mar-2024	92	22-Mar-2024, Accelerator Systems R&D																							
Rapid Cycling Synchrotron				862	15-Jul-2024	30-Dec-2027	65	30-Dec-2027, Rapid Cycling Synchrotron																							
Electron Storage Ring Vacuum System				1146	08-Jan-2024	10-Aug-2028	51	10-Aug-2028, Electron Storage Ring Vacuum System																							
Hadron Ring Straight Sections Modifications				1193	03-Jun-2024	20-Mar-2029	92	20-Mar-2029, Hadron Ring Straight Sections Modifications																							
HR SC Magnet Beam Pipe Upgrade				1463	01-Apr-2021	08-Feb-2027	101	08-Feb-2027, HR SC Magnet Beam Pipe Upgrade																							
RF Systems				2571	01-Oct-2020	17-Jan-2031	77	17-Jan-2031, RF Systems																							
SRF R&D				750	01-Jun-2022	30-May-2025	72	30-May-2025, SRF R&D																							
SRF First Article Cryomodules				1499	01-Oct-2021	30-Sep-2027	56	30-Sep-2027, SRF First Article Cryomodules																							
SRF Cryomodules				1394	01-May-2025	26-Nov-2030	71	26-Nov-2030, SRF Cryomodules																							
NCRF Cavities				1961	01-Oct-2020	07-Aug-2028	34	07-Aug-2028, NCRF Cavities																							
High Power RF Systems				2276	01-Oct-2021	08-Nov-2030	37	08-Nov-2030, High Power RF Systems																							
RF Controls				1028	02-Dec-2026	17-Jan-2031	77	17-Jan-2031, RF Controls																							
Detector				127	02-Apr-2020	30-Sep-2020	87	30-Sep-2020, Detector																							
Detector R&D and Physics Design				127	02-Apr-2020	30-Sep-2020	87	30-Sep-2020, Detector R&D and Physics Design																							
Infrastructure				2840	04-Feb-2021	14-Jun-2032	77	14-Jun-2032, Infrastructure																							
Infrastructure Management & Engineering				1269	04-Feb-2021	04-Mar-2026	52	04-Mar-2026, Infrastructure Management & Engineering																							
Civil Construction				45	06-Jul-2027	07-Sep-2027	41	07-Sep-2027, Civil Construction																							
Electrical Power Systems				2272	01-May-2023	14-Jun-2032	76	14-Jun-2032, Electrical Power Systems																							
Power Supplies				84	30-Mar-2026	28-Jul-2026	56	28-Jul-2026, Power Supplies																							
Strong Hadron Cooling (SHC)				84	30-Mar-2026	28-Jul-2026	56	28-Jul-2026, Strong Hadron Cooling (SHC)																							
Instrumentation				1772	01-Oct-2020	03-Nov-2027	77	03-Nov-2027, Instrumentation																							
Rapid Cycling Synchrotron				1772	01-Oct-2020	03-Nov-2027	77	03-Nov-2027, Rapid Cycling Synchrotron																							
Installation				1183	04-May-2026	28-Jan-2031	71	28-Jan-2031, Installation																							
EIC Accelerator/Storage Ring Systems Installations				1183	04-May-2026	28-Jan-2031	71	28-Jan-2031, EIC Accelerator/Storage Ring Systems Installations																							
Removals				212	26-Jun-2025	01-May-2026	46	01-May-2026, Removals																							
EIC Accelerator/Storage Ring Systems Removals				212	26-Jun-2025	01-May-2026	46	01-May-2026, EIC Accelerator/Storage Ring Systems Removals																							
Strong Hadron Cooling				2494	01-Oct-2021	24-Sep-2031	65	24-Sep-2031, Strong Hadron Cooling																							
Strong Hadron Cooling (SHC)				2494	01-Oct-2021	24-Sep-2031	65	24-Sep-2031, Strong Hadron Cooling (SHC)																							
Accel Dev and R&D				1975	02-Apr-2020	28-Feb-2028	25	28-Feb-2028, Accel Dev and R&D																							
Accelerator Physics and Design				916	02-Apr-2020	30-Nov-2023	56	30-Nov-2023, Accelerator Physics and Design																							
Accelerator Systems R&D				657	02-Oct-2023	22-May-2026	25	22-May-2026, Accelerator Systems R&D																							
Strong Hadron Cooling (SHC)				437	26-May-2026	28-Feb-2028	25	28-Feb-2028, Strong Hadron Cooling (SHC)																							
Project Management and Support				3708	02-Jan-2020	31-Oct-2034	0	31-Oct-2034, Project Management and Support																							
Level 1 Milestones				2678	31-Jan-2024	31-Oct-2034	0	31-Oct-2034, Level 1 Milestones																							
Level 2 Milestones				3708	02-Jan-2020	31-Oct-2034	0	31-Oct-2034, Level 2 Milestones																							
Level 3 Milestones				3000	01-Oct-2020	01-Oct-2032	0	01-Oct-2032, Level 3 Milestones																							
Electron Storage Ring Management				0	03-Feb-2025	03-Feb-2025	43	03-Feb-2025, Electron Storage Ring Management																							

Remaining Level of Effort Actual Level of Effort Actual Work Remaining Work Critical Remaining Work

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Prepared by: kkrug | Date: 29-Aug-2023 | Time: 12:49

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Pre-Ops & Commissioning			479	01-Jul-2030	01-Jun-2032	0	01-Jun-2032, Pre-Ops & Commissioning																					
Systems Commissioning			374	01-Jul-2030	31-Dec-2031	65	31-Dec-2031, Systems Commissioning																					
Beam Commissioning			354	31-Dec-2030	01-Jun-2032	0	01-Jun-2032, Beam Commissioning																					