

HL-LHC Surface Facilities - Integration Approval									
HL-LHC Facility	Phase I				Phase II				Migration Date PLM
	3D Model ST Reference	Approval Date	Approval excludes	EDMS	3D Model ST Reference	Approval Date	Approval excludes	EDMS	
SD17 SD57	ST0756787_01 a.08 ST0754609_01 a.08	APPROVED	Cryogenics	2798732	TBD	30/09/2024	-	2922909	04/11/2024
SE17 SE57	ST0986971_01 a.09 ST1077636_01 a.03	APPROVED	-	2602649 2602647					03/09/2024
SF17 SF57	ST1120227_01 b.05 ST1120209_01 b.07	APPROVED	-	2472392 2476229					03/09/2024
SHM17 SHM57	ST1120227_01 b.05 ST1074362_01 b.05	APPROVED	Cryogenics	2474871 2474886	TBD	30/09/2024	-	2922909	04/11/2024
SHE17 SHE57	ST1223587_01 b.00 ST1225860_01 b.00	APPROVED	-	3046036					03/09/2024
SL17 SL57	ST1225867_01 b.00 ST1316459_01 a.02	APPROVED	Cryogenics	-	TBD	30/09/2024	-	2922909	03/09/2024
SU17 SU57	ST1120220_01 a.03 ST1120214_01 a.03	APPROVED	-	2602651 2602650					04/11/2024

HL-LHC Underground Facilities - Integration Approval

HL-LHC Facility	Phase I				Phase II				Phase III	Migration Date PLM
	3D Model ST Reference	Approval Date	Approval excludes	EDMS	3D Model ST Reference	Approval Date	Approval excludes	EDMS	Approval Date	
UA13	ST1803909_01 a.00	APPROVED	Cryogenics and RF	3061528	TBD	30/10/2024	-	3018054		04/11/2024
UA17	ST1803916_01 a.00									
UA53	ST1803953_01 a.00									
UA57	ST1803979_01 a.00									
UL13	ST1803907_01 a.00	APPROVED	Cryogenics and SC Link							
UL17	ST1803823_01 a.00									
UL53	ST1803986_01 a.00									
UL57	ST1803991_01 a.00									
UR15*	ST1803674_01 a.00	APPROVED	Cryogenics and machine related equipment	3004473	ST1876975_01 a.00	APPROVED	Cryogenics, SC Link, and WCC 1R 5R	3091313	14/10/2024	
UR55*	ST1805411_01 a.00				ST1876924_01 a.00					
US17	ST1803787_01 a.00	APPROVED	Cryogenics	3004543	TBD	30/09/2024	-	2804653		
US57	ST1805261_01 a.00									
UW17	ST1803787_01 a.00	APPROVED	-	2874651	*See following slide.					
UW57	ST1805261_01 a.00									

*HL-LHC UR15/UR55 – Intermediary Milestones for Phase III Integration Approval

HL-LHC Facility	Water manifolds PC (EN-CV)	WCC (EN-EL)	Water manifolds WCC (EN-CV)	Cryogenics (TE-CRG)	SC Link (WP6A)
UR15 Left	02/09	APPROVED	02/09	16/09	16/09
UR15 Right	30/09	16/09 	30/09 	16/09	16/09
UR55 Left	02/09	APPROVED	02/09	16/09	16/09
UR55 Right	30/09	16/09 	30/09 	16/09	16/09

HL-LHC Surface and Underground Facilities – Installation Discrepancies

HL-LHC Facility	GIS	3D Model Reference	Report
SD17	3155	ST0756787_01 a.08	SD17 Report
SD57	3555	ST0754609_01 a.08	SD57 Report
SE17	3154	ST0986971_01 a.09	SE17 Report
SE57	3560	ST1077636_01 a.03	SE57 Report
SF17	3169	ST1120227_01 b.05	SF17 Report
SF57	3569	ST1120209_01 b.07	SF57 Report
SHM17	3168	ST1074294_01 b.05	SHM17 (Phase I) Report
SHM57	3577	ST1074362_01 b.05	SHM57 (Phase I) Report
SL17	3161	ST1225867_01 b.00	SL17 Report
SL57	3561	ST1316459_01 a.02	SL57 Report
SU17	3180	ST1120220_01 a.03	SU17 Report
SU57	3580	ST1120214_01 a.03	SU57 Report
US17/UW17	3134	See Phase I 3D Model ST Reference	US17/UW17 Report
US57/UW57	3539		US57/UW57 Report
UR15/UA1X/UL1X	3124		UR15, UAs and ULs P1 Report
UR55/UA5X/UL5X	3523		UR55, UAs and ULs P5 Report