

HL-LHC Surface Facilities - Integration Approval								
HL-LHC Facility	Phase I				Phase II			
	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	<a href="#">2798732</a>	TBD	30/09/2024	-	<a href="#">2922909</a>
SE17 SE57	ST0986971_01 a.09 ST1077636_01 a.03	APPROVED	-	<a href="#">2602649</a> <a href="#">2602647</a>				
SF17 SF57	ST1120227_01 b.05 ST1120209_01 b.07	APPROVED	-	<a href="#">2472392</a> <a href="#">2476229</a>				
SHM17 SHM57	ST1120227_01 b.05 ST1074362_01 b.05	APPROVED	Cryogenics	<a href="#">2474871</a> <a href="#">2474886</a>	TBD	30/09/2024	-	<a href="#">2922909</a>
SHE17 SHE57	ST1223587_01 b.00 ST1225860_01 b.00	APPROVED	-	<a href="#">3046036</a>				
SL17 SL57	ST1225867_01 b.00 ST1316459_01 a.02	APPROVED	Cryogenics	-	TBD	30/09/2024	-	<a href="#">2922909</a>
SU17 SU57	ST1120220_01 a.03 ST1120214_01 a.03	APPROVED	-	<a href="#">2602651</a> <a href="#">2602650</a>				

# HL-LHC Underground Facilities - Integration Approval

HL-LHC Facility	Phase I				Phase II				Phase III
	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	<a href="#">3061528</a>	TBD	30/10/2024	-	<a href="#">3018054</a>	
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	<a href="#">3004473</a>	ST1876975_01 a.00	APPROVED	Cryogenics, SC Link, and WCC 1R 5R	<a href="#">3091313</a>	14/10/2024
UR55*	ST1805411_01 a.00				ST1876924_01 a.00				
US17	ST1803787_01 a.00	APPROVED	Cryogenics	<a href="#">3004543</a>	TBD	30/09/2024	-	<a href="#">2804653</a>	
US57	ST1805261_01 a.00								
UW17	ST1803787_01 a.00	APPROVED	-	<a href="#">2874651</a>	*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	<a href="#">3155</a>	ST0756787_01 a.08	<a href="#">SD17 Report</a>
SD57	<a href="#">3555</a>	ST0754609_01 a.08	<a href="#">SD57 Report</a>
SE17	<a href="#">3154</a>	ST0986971_01 a.09	<a href="#">SE17 Report</a>
SE57	<a href="#">3560</a>	ST1077636_01 a.03	<a href="#">SE57 Report</a>
SF17	<a href="#">3169</a>	ST1120227_01 b.05	<a href="#">SF17 Report</a>
SF57	<a href="#">3569</a>	ST1120209_01 b.07	<a href="#">SF57 Report</a>
SHM17	<a href="#">3168</a>	ST1074294_01 b.05	<a href="#">SHM17 (Phase I) Report</a>
SHM57	<a href="#">3577</a>	ST1074362_01 b.05	<a href="#">SHM57 (Phase I) Report</a>
SL17	<a href="#">3161</a>	ST1225867_01 b.00	<a href="#">SL17 Report</a>
SL57	<a href="#">3561</a>	ST1316459_01 a.02	<a href="#">SL57 Report</a>
SU17	<a href="#">3180</a>	ST1120220_01 a.03	<a href="#">SU17 Report</a>
SU57	<a href="#">3580</a>	ST1120214_01 a.03	<a href="#">SU57 Report</a>
US17/UW17	<a href="#">3134</a>	See Phase I 3D Model ST Reference	<a href="#">US17/UW17 Report</a>
US57/UW57	<a href="#">3539</a>		<a href="#">US57/UW57 Report</a>
UR15/UA1X/UL1X	<a href="#">3124</a>		<a href="#">UR15, UAs and ULs P1 Report</a>
UR55/UA5X/UL5X	<a href="#">3523</a>		<a href="#">UR55, UAs and ULs P5 Report</a>