

HY/2014/05 HKZMB HKBCF - April. 2018, Works Programme, Sta		
RAB3 SUMMARY PROGRAMME		
GENERAL/PRELIMINARIES		
DESIGN AND ENGINEERING		
PROCUREMENT, MANUFACTURING & DELIVERIES		
CONSTRUCTION		
Building 021 - C&ED Dangerous Goods Store		
Raft		
Structure		
ABWF/E&M		
Internal Finishes		
Degree 1		
Degree 2		
Degree 3		
RAB-21-0420	021 - End Users and MoM handover inspection	
External Finishes		
Roof Finishes		
Utilities and Drainage		
Testing & Commissioning		
Statutory Submissions & Approvals (Day 670 Completion)		
Dangerous Goods Licence		
RAB-21-0360	021 - Issue DG Licence	
Fire Services Department (VAC)		
RAB-FSD-830	021 - Fire Certificate Obtained (Form 172) Handover, Building 021	
Engineer (AECOM)		
RAB-21-2200	021 - Engineer Inspection Period	
RAB-21-2210	021 - Engineer Issue Occupation Permit	
RAB-KD154	KD4 - Projected completion of Section IV of the Works (670 days) Building 0	
Building 022 - Customs Detective Dog Base Building		
Excavation		
Raft Foundations		
Structure		
ABWF/E&M		
Internal Finishes		
Specialist Installations		
Utilities and Drainage		
Testing & Commissioning		
Statutory Submissions & Approvals (Day 670 Completion)		
Water Supplies Department (WSD)		
Fire Services Department (VAC)		
Fire Services Department (FSD)		
RAB-FSD-340	022 - Fire Certificate Obtained (Form 172) Handover For Building 022	
Engineer (AECOM)		
RAB-22-2230	022 - Engineer Inspection Period	
RAB-22-2240	022 - Engineer Issue Occupation Permit	
RAB-KD144	KD5 - Projected completion of Section V of the Works (670 days) Building 2	
Building 023 - C&ED Outbound Cargo Examination Building and Examination Platform		
Excavation		
Raft Foundations - Inspection Platform		
Raft Foundations - Main Building		
Structure		

■ Remaining Level of Effort
 ■ Actual Work
 ■ Critical Remaining ...
■ Actual Level of Effort
 ■ Remaining Work
 △ Finish Constraint

Date	Revision	Checked	Approved
01-May-18	3-Month Rolling Programme, 01 May-18 Stated		

Activity ID	Activity Name	January 2018				February 2018				March 2018				April 2018				May 2018				June 2018						
		14	21	28	04	11	18	25	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17	24			
	ABWF/E&M																											
	North																											
	Internal Finishes																											
	External Finishes																											
	Facade																											
	At Grade																											
	Foot Path																											
	RAB-23-5820	023 - Laying Geo Textile, North																										
	RAB-23-5940	023 - Sand Bedding, North																										
	RAB-23-6050	023 - Concrete Block Paving, North																										
	RAB-23-6110	023 - Grouting Works to Concrete Pavers, North																										
	RAB-23-6160	023 - Make good external surfaces, North																										
	Pavement																											
	Roof Finishes																											
	Green Roof																											
	South																											
	Internal Finishes																											
	Ground Floor																											
	First Floor																											
	External Finishes																											
	Facade																											
	At Grade																											
	Foot Path																											
	RAB-23-6100	023 - Laying Geo Textile, South																										
	RAB-23-6120	023 - Sand Bedding, South																										
	RAB-23-6260	023 - Concrete Block Paving, South																										
	RAB-23-6300	023 - Grouting Works to Concrete Pavers, South																										
	RAB-23-6330	023 - Make good external surfaces, South																										
	Pavement																											
	Window Wall																											
	Roof Finishes																											
	Roof Level Dog House																											
	Building 023																											
	Specialist Installations																											
	Metal Canopy																											
	RAB-23-6290	023 - Install Metal Cladding Panels																										
	Utilities and Drainage																											
	Testing & Commissioning																											
	Statutory Submissions & Approvals (Day 610 Completion)																											
	EMSD - Building 023 Lift Inspection																											
Water Supplies Department (WSD)																												
Commencement																												
Completion																												
Fire Services Department (VAC)																												
RAB-FSD-990	023 - FSD Re-Inspection Period, Building 023																											
RAB-FSD-910	023 - Fire Certificate Obtained (Form 172) Handover, Building 023																											
Fire Services Department (FSD)																												
RAB-FSD-300	023 - FSD Re-inspection Period For Building 023																											
RAB-FSD-112	023 - Fire Certificate Obtained (Form 172) Handover For Building 023																											
Engineer (AECOM)																												
RAB-23-2260	023 - Engineer Inspection Period																											
RAB-23-2270	023 - Engineer Issue Occupation Permit																											
RAB-KD124	KD2 - Projected completion of Section III of the Works (610 days) Building 0																											

Date	Revision	Checked	Approved
01-May-18	3-Month Rolling Programme, 01 May-18 Stated		

<div><div>LEIGHTON</div><div>05</div></div>		Contract No. HY/2014/05 - Remaining Ancillary Building and Facilities																		Page 3 of 10					
Activity ID	Activity Name	y 2018			February 2018				March 2018				April 2018				May 2018				June 2018				
		14	21	28	04	11	18	25	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17	24
Building 025 - Inbound Private Car Annexure																									
Excavation																									
Raft Foundations																									
Structure																									
External Walls																									
Roof Slab																									
Cure and Strip																									
ABWF/E&M																									
Internal Finishes																									
Degree 1																									
Degree 2																									
Degree 3																									
RAB-25-7290	025 - End Users and MoM handover inspection																								
External Finishes																									
Facade																									
At Grade																									
Road Works																									
Foot Path																									
RAB-25-0600	025 - Snagging and Remedials																								
Roof Finishes																									
Green Roof																									
Specialist Installations																									
Glazed Canopy																									
IMMD Kiosk																									
RAB-25-0350	025 - External Finishes to IMMD Kiosk																								
Utilities and Drainage																									
Testing & Commissioning																									
RAB-TC25-1000	025 - T&C (HVAC, FS, P&D, OTHERS)																								
Statutory Submissions & Approvals (Day 670 Completion)																									
Water Supplies Department (WSD)																									
Commencement																									
Completion																									
Fire Servives Department (VAC)																									
RAB-FSD-950	025 - Fire Certificate Obtained (Form 172) Handover, Building 021																								
Fire Services Department (FSD)																									
RAB-FSD-370	025 - Fire Certificate Obtained (Form 172) Handover For Building 025																								
Engineer (AECOM)																									
RAB-25-7230	025 - Engineer Inspection Period																								
RAB-25-7240	025 - Engineer Issue Occupation Permit																								
RAB-KD124	KD6 - Projected completion of Section VI of the Works (670 days) Building 0																								
Building 032 - Outbound Private Car Annexure																									
Excavation																									
Raft Foundations																									
Structure																									
External Walls																									
Roof Slab																									
Cure and Strip																									
ABWF/E&M																									
Internal Finishes																									
Roof Finishes																									
Green Roof																									
External Finishes																									
Facade																									
RAB-32-0580	032 - Make good external surfaces																								
<div><div>Remaining Level of Effort</div><div>Actual Work</div><div>Critical Remaining ...</div><div>Actual Level of Effort</div><div>Remaining Work</div><div>Finish Constraint</div></div>		3-Month Rolling Programme, 01 May 2018 Statedused												Date		Revision				Checked		Approved			
														01-May-18		3-Month Rolling Programme, 01 May-18 Statedused									

At Grade	
Road Works	
Foot Path	
RAB-32-6450	032 - Laying Geo Textile + Sand Bedding
RAB-32-6440	032 - Concrete Block Paving
RAB-32-6490	032 - Grouting Works to Concrete Pavers
RAB-32-0600	032 - Snagging and Remedials (KD7)
Specialist Installations	
IMMD Kiosk	
RAB-32-0350	032 - External Finishes to IMMD Kiosk
Glazed Canopy	
Utilities and Drainage	
Testing & Commissioning	
Statutory Submissions & Approvals (Day 670 Completion)	
Water Supplies Department (WSD)	
Fire Services Department (FSD)	
RAB-FSD-700	032 - FSD Re-Inspection Period For Building 032
RAB-FSD-400	032 - Fire Certificate Obtained (Form 172) Handover For Building 032
TPIDC	
RAB-32-7260	032 - Engineer Inspection Period
RAB-32-7270	032 - Engineer Issue Occupation Permit
RAB-KD114	KD7 - Projected completion of Section VII of the Works (670 days) Building (
Building 044 - E&M Maintenance Building	
Excavation	
Raft	
Structure	
ABWF/E&M	
Ground Floor	
RAB-44-0410	044 - ABWF and MEP works to Degree 3 (KD8C)
First Floor	
RAB-44-0560	044 - ABWF and MEP works to Degree 3 (KD8C)
Second Floor	
RAB-44-0620	044 - ABWF and MEP works to Degree 3 (KD8C)
RAB-KD8C20	KD8C - Projected achievement of Stage 8C of the Works
RAB-44-0650	044 - End Users and MoM handover inspection
Roof Finishes	
Green Roof	
External Finishes	
Facade	
RAB-44-0590	044 - Make good external surfaces
At Grade	
RAB-44-6520	044 - Prepare Sub Grade
RAB-44-6510	044 - Laying Geo Textile
RAB-44-6530	044 - Sand Bedding
RAB-44-6500	044 - Concrete Block Paving
RAB-44-6550	044 - Grouting Works to Concrete Pavers
RAB-44-0630	044 - Snagging and Remedials
Specialist Installations	
Window Wall	
Utilities and Drainage	
Testing & Commissioning	
RAB-TC44-1000	044 - T&C (HVAC, FS, P&D, OTHERS)

Activity ID		Activity Name	y 2018			February 2018				March 2018				April 2018				May 2018					June 2018			
			14	21	28	04	11	18	25	04	11	18	25	01	08	15	22	29	06	13	20	27	03	10	17	24
<div>045</div>	Statutory Submissions & Approvals																									
	EMSD - Building 044 Lift Inspection																									
	Water Supplies Department (WSD)																									
	Fire Services Department (FSD)																									
	RAB-FSD-136		044 FSD Re-Inspection Period For Building 044																							
	RAB-FSD-120		044 Fire Certificate Obtained (Form 172) Handover For Building 044																							
	Engineer (AECOM)																									
	RAB-44-7290		044 - Engineer Inspection Period																							
	RAB-44-7280		044 - Submit Building 044 As Built Drawings to Engineer																							
	RAB-44-7300		044 - Engineer Issue Occupation Permit																							
	RAB-KD104		KD8 - Projected completion of Section VIII of the Works (670 days) Building																							
	Building 045 - Highways Depot & Administration Building																									
	Raft																									
	Structure																									
	ABWF/E&M																									
	South Section																									
	Ground Floor																									
	RAB-45-0640		045 - ABWF and MEP works to Degree 3 (KD8C), South																							
	First Floor																									
	RAB-45-0840		045 - ABWF and MEP works to Degree 3 (KD8C), South																							
	Second Floor (South)																									
	RAB-45-0970		045 - ABWF and MEP works to Degree 3 (KD8C), South																							
	External Finishes South																									
	Roof Finishes South																									
	Facade																									
	At Grade																									
	RAB-45-6580		045 - Prepare Sub Grade, South																							
	RAB-45-6570		045 - Laying Geo Textile, South																							
	RAB-45-6600		045 - Sand Bedding, South																							
	RAB-45-6560		045 - Concrete Block Paving, South																							
	RAB-45-6610		045 - Grouting Works to Concrete Pavers, South																							
	RAB-45-0980		045 - Snagging and Remedials, South																							
	Middle Section																									
	Ground Floor																									
	RAB-45-0490		045 - ABWF and MEP works to Degree 3 (KD8C), Middle																							
First Floor																										
RAB-45-0730		045 - ABWF and MEP works to Degree 3 (KD8C), Middle																								
RAB-45-0790		045 - End Users and MoM handover inspection, Middle																								
RAB-KD8C10		KD8C - Projected achievement of Stage 8C of the Works (610 days), Middl																								
External Finishes Middle																										
Facade																										
RAB-45-0890		045 - External Painting, Middle																								
At Grade																										
RAB-45-6640		045 - Prepare Sub Grade, Middle																								
RAB-45-6630		045 - Laying Geo Textile, Middle																								
RAB-45-6660		045 - Sand Bedding, Middle																								
RAB-45-6620		045 - Concrete Block Paving, Middle																								
RAB-45-6670		045 - Grouting Works to Concrete Pavers, Middle																								
RAB-45-0960		045 - Make good external surfaces, Middle																								
Green Roof Middle																										
Specialist Installations																										
Window Wall																										

Remaining Level of Effort

Actual Level of Effort

Critical Remaining ...

Remaining Work

Finish Constraint

3-Month Rolling Programme, 01 May 2018 Statused

Date	Revision	Checked	Approved
01-May-18	3-Month Rolling Programme, 01 May-18 Statused		

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RAB-50-7350	050 H1 - Engineer Inspection Period
RAB-50-7360	050 H1 - Engineer Issue Occupation Permit
Public Toilet (Portion H2)	
Excavation	
Raft	
Structure	
ABWF/E&M	
Internal Finishes	
Degree 1	
Degree 2	
RAB-KD10B10	KD10B - Projected achievement of Stage 10B of the Works
Degree 3	
RAB-50-2280	050 H2 - ABWF and MEP works to Degree 3 (KD10C)
RAB-50-2290	050 H2 - Snagging and Remedials
RAB-KD10C10	KD10C - Projected achievement of Stage 10C of the Works
RAB-50-7470	050 H2 - End Users and MoM handover inspection
RAB-KD84	KD10 - Projected Completion of Section X of the Works (670 days) Building
Specialist installation	
RAB-50-2240	050 H2 - Installation of Sanitaryware and Fixtures
Roof Finishes	
RAB-50-2200	050 H2 - Install Railing - 49m
RAB-50-4360	050 H2 - Install Aluminium Cladding
RAB-50-2230	050 H2 - Installation of Aluminium Canopy
External Finishes	
RAB-50-2260	050 H2 - Make good external surfaces
Utilities and Drainage	
Testing & Commissioning	
RAB-TC50-1010	050 H2 - T&C (HVAC, FS, P&D, OTHERS)
Statutory Submissions & Approvals (Day 670 Completion)	
Water Supplies Department (WSD)	
Commencement	
Completion	
RAB-WSD-444	050 H2 - Permanent Water ON/WSD Issue Water Certificate for Building 050
Fire Services Department (FSD)	
RAB-FSD-730	050 H2 - FSD Re-Inspection Period For Building 050
RAB-FSD-550	050 H2 - Fire Certificate Obtained (Form 172) Handover of Building 050
Engineer (AECOM)	
RAB-50-7370	050 H2 - Submit Building 050 H2 As Built Drawings to Engineer
RAB-50-7380	050 H2 - Engineer Inspection Period
RAB-50-7390	050 H2 - Engineer Issue Occupation Permit

3-Month Rolling Programme, 01 May 2018 Stated

Date	Revision	Checked	Approved
01-May-18	3-Month Rolling Programme, 01 May-18 Stated		

[illegible]














































	RAB-FSD-290	050 A2 - FSD Re-Inspection Period For Building 050				I			
	RAB-FSD-280	050 A2 - Fire Certificate Obtained (Form 172) Handover of Building 050							
	Engineer (AECOM)								
	RAB-50-7430	050 A2 - Submit Building 050 H2 As Built Drawings to Engineer							
	RAB-50-7440	050 A2 - Engineer Inspection Period							
	RAB-50-7450	050 A2 - Engineer Issue Occupation Permit							
Building 053 - Outbound X-Ray Building									
	Excavation								
	Raft								
	Structure								
	ABWF/E&M								
	Glazed Canopy								
	Utilities and Drainage								
	Testing & Commissioning								
	Statutory Submissions & Approvals (Day 470 Completion)								
	EMSD - Building 053 Lift Inspection								
	Water Supplies Department (WSD)								
	Commencement								
	Completion								
	Fire Services Department (FSD)								
	RAB-FSD-430	053 - Fire Certificate Obtained (Form 172) Handover For Building 053							
	Engineer (AECOM)								
	RAB-53-7470	053 - Engineer Inspection Period							
	RAB-53-7480	053 - Engineer Issue Occupation Permit							
	RAB-KD44	KD1 - Projected Completion of Section I of the Works (470 days) Building 053							
Building 058 - Outbound X-Ray Scan Tunnel									
	Excavation								
	Raft								
	Structure								
	ABWF/E&M								
	Glazed Canopy								
	Utilities and Drainage								
	Testing & Commissioning								
	Statutory Submissions & Approvals (Day 470 Completion)								
	Fire Services Department (FSD)								
	RAB-FSD-122	058 - FSD Re-Inspection Period For Building 058							
	RAB-FSD-104	058 - Fire Certificate Obtained (Form 172) Handover For Building 058							
	Engineer (AECOM)								
	RAB-58-7500	058 - Engineer Inspection Period							
	RAB-58-7510	058 - Engineer Issue Occupation Permit							
	RAB-KD34	KD1 - Projected Completion of Section I of the Works (470 days) Building 058							
Building 059 - Inbound X-Ray Scan Tunnel									
	Excavation								
	Raft Foundations								
	Structure								
	ABWF/E&M								
	Internal Finishes								
	Degree 1								
	Degree 2								
	Degree 3								
	RAB-59-7550	059 - End Users and MoM handover inspection							
	External Finishes								
	Facade								

3-Month Rolling Programme, 01 May 2018 Stated

Date	Revision	Checked	Approved
01-May-18	3-Month Rolling Programme, 01 May-18 Stated		

Contract No.: HY/2013/06		Detail Work Programme										Page 1 of 8																																																																																																			
Activity ID		Activity Name										2015				2016				2017				2018				2019																																																																																			
												Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3																																																																																		
📁 Hong Kong-Zhuhai_Macao Bridge Hong Kong Boundary Crossing F																																																																																																															
📅 Key Dates																																																																																																															
📅 Interface Activities																																																																																																															
📅 Site and Facility Inspection																																																																																																															
📅 JS1200		Pre Site and Facility Inspection by Contractor at Location 4 - Deg2																																																																																																													
📅 JS1210		Joint Site and Facility Inspection with Interface Contractor at Location 4 - Deg2																																																																																																													
📅 JS1620		Pre Site and Facility Inspection by Contractor at Location 14 - Deg2																																																																																																													
📅 JS1630		Joint Site and Facility Inspection with Interface Contractor at Location 14 - Deg2																																																																																																													
📅 JS1760		Pre Site and Facility Inspection by Contractor at Location 18 - Deg1																																																																																																													
📅 JS1770		Joint Site and Facility Inspection with Interface Contractor at Location 18 - Deg1																																																																																																													
📅 JS1780		Pre Site and Facility Inspection by Contractor at Location 18 - Deg2																																																																																																													
📅 JS1790		Joint Site and Facility Inspection with Interface Contractor at Location 18 - Deg2																																																																																																													
📅 Access Dates																																																																																																															
📅 AD1000		Location 1(PCB (001) Basement)-Deg1 (270d)																																																																																																													
📅 AD1010		Location 1(PCB (001) Basement)-Deg2 (380d)																																																																																																													
📅 AD1020		Location 1(PCB (001) ELV Room (Grid Line E3))-Deg1 (270d)																																																																																																													
📅 AD1030		Location 1(PCB (001) ELV Room (Grid Line E3))-Deg2 (380d)																																																																																																													
📅 AD1040		Location 2(PCB (001) First Floor Main Server Room)-Deg1 (330d)																																																																																																													
📅 AD1050		Location 2(PCB (001) First Floor Main Server Room)-Deg2 (380d)																																																																																																													
📅 AD1060		Location 2(PCB (001) First Floor Main Server Room) - For Server Installation - Deg2 (380d)																																																																																																													
📅 AD1070		Location 2(PCB (001) Ground Floor ELV Room (Grid Line E3)) - Deg1 (330d)																																																																																																													
📅 AD1080		Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) - Deg1 (330d)																																																																																																													
📅 AD1090		Location 2(PCB (001) Ground Floor DOH Port Health Control Room (Grid Line BD5)) - Deg2 (380d)																																																																																																													
📅 AD1130		Location 3(Inbd Cargo Exam Bldg (037) Platform Control Room)-Deg2 (500d)																																																																																																													
📅 AD1150		Location 3(Inbd Cargo Exam Bldg (037) Inspector Offices 128,129,130,131,128,129,140)-Deg2 (500d)																																																																																																													
📅 AD1170		Location 3a(Inbd Cargo Exam Bldg (037) ROCARS Room)-Deg2 (480d)																																																																																																													
📅 AD1190		Location 3a(Inbd Cargo Exam Bldg (037) Main Server Room)-Deg2 (480d)																																																																																																													
📅 AD1200		Location 3a(Inbd Cargo Exam Bldg (037) Main Server Room) - For Server installation - Deg2 (480d)																																																																																																													
📅 AD1220		Location 4(Outbd Cargo Exam Bldg (023))-Deg2 (680d)																																																																																																													
📅 AD1240		Location 4a(Outbd Cargo Exam Bldg (023))-Deg2 (630d)																																																																																																													
📅 AD1270		Location 6(Common Utility Enclosure & Staff Subway)-Deg1 (400d)																																																																																																													
📅 AD1290		Location 7(Common Utility Enclosure & Staff Subway)-Deg1 (270d)																																																																																																													
📅 AD1300		Location 8(Inbd Private Car Annex (025))-Deg1 (430d)																																																																																																													
📅 AD1310		Location 8(Inbd Private Car Annex (025))-Deg2 (580d)																																																																																																													
📅 AD1320		Location 8(Inbd Private Car Annex (025) Canopy)-Deg1 (430d)																																																																																																													
📅 AD1330		Location 8(Inbd Private Car Annex (025) Canopy)-Deg2 (580d)																																																																																																													
📅 AD1340		Location 9(Outbd Private Car Annex (032))-Deg1 (520d)																																																																																																													
📅 AD1350		Location 9(Outbd Private Car Annex (032))-Deg2 (660d)																																																																																																													
📅 AD1360		Location 9(Outbd Private Car Annex (032) Canopy)-Deg1 (520d)																																																																																																													
📅 AD1370		Location 9(Outbd Private Car Annex (032) Canopy)-Deg2 (660d)																																																																																																													
📅 AD1501		Location 12(Inbd Private Car Kiosks(027))-Deg1 (400d) Phase 2																																																																																																													
📅 AD1510		Location 12(Inbd Private Car Kiosks(027))-Deg2 (480d) Phase 1																																																																																																													
📅 AD1511		Location 12(Inbd Private Car Kiosks(027))-Deg2 (480d) Phase 2																																																																																																													
📅 AD1521		Location 12(Inbd Private Car Kiosks(027) Canopy)-Deg1 (400d) Phase 2																																																																																																													
Programme No.: HZMB-DWP		Actual Level of Effort										summary										Hong Kong-Zhuhai-Macao Bridge										Date										Revision										Checked										Approved																																																	
Data Date: 14-Aug-15		Primary Baseline																				Hong Kong Boundary Crossing										14-Nov-16										Rev.: 0										WC										LC																																																	
		Actual Work																				Facilities - Automatic Vehicle										10-Mar-17										Rev.: 1.0a										WC										LC																																																	
		Remaining Work																				Clearance Support System (AVCSS)										5-May-17										Rev.: 1.0b										WC										LC																																																	
		Critical Remaining Work																																																																																																													
		Baseline Milestone																																																																																																													
		Milestone																																																																																																													











Contract No.: HY/2013/06			Detail Work Programme												Page 3 of 8																	
Activity ID		Activity Name												2015			2016				2017				2018				2019			
														Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	


Contract No.: HY/2013/06		Detail Work Programme										Page 4 of 8																											
Activity ID	Activity Name	2015				2016				2017				2018				2019																					
		Q2	Q3	Q4		Q1	Q2	Q3	Q4		Q1	Q2	Q3	Q4		Q1	Q2	Q3	Q4																				
	 Location 3a(Inbnd Cargo Exam Bldg (037) ROCARS Room)																																						
	 EM1240 L3a(037) ROCARS Rm - Cable Laying and termination in Location 3 and Location 3a																																						
	 EM1260 L3a(037) ROCARS Rm - Cable Splicing and Testing and Labeling																																						
	 EM1280 L3a(037) ROCARS Rm - AVCSS SYSCON and SURCON and Intercom Installation																																						
	 EM1300 L3a(037) ROCARS Rm - VTS WS Installation																																						
	 EM1320 L3a(037) ROCARS Rm - VID WS Installation																																						
	 EM1340 L3a(037) ROCARS Rm - SURCON and SYSCON and WS Tuning																																						
	 Location 3a(Inbnd Cargo Exam Bldg (037) Main Server Room)																																						
	 EM2120 L3a(037)Main Server Rm - Cable Laying and termination in Location 3 and Location 3a																																						
	 EM2140 L3a(037)Main Server Rm - Cable Splicing and Testing and Labeling																																						
	 EM2160 L3a(037)Main Server Rm - AVCSS Server Installation																																						
	 EM2180 L3a(037)Main Server Rm - VTS Server Installation																																						
	 EM2200 L3a(037)Main Server Rm - Servers Tuning																																						
	 Location 4(Outbnd Cargo Exam Bldg (023) MDF Room)																																						
	 Location 4a(Outbnd Cargo Exam Bldg (023) ROCARS Room)																																						
	 EM2240 L4a(023)ROCARS Rm - Cable Splicing and Testing and Labeling																																						
	 EM2260 L4a(023)ROCARS Rm - AVCSS SYSCON and SURCON and Intercom Installation																																						
	 EM2280 L4a(023)ROCARS Rm - VTS WS Installation																																						
	 EM2300 L4a(023)ROCARS Rm - SYSCON and SURCON and WS Tuning																																						
	 Location 5(Common Utility Enclosure & Staff Subway)																																						
	 EM2341 L5(CUE) - Cable Laying between Location 5 and Location 6																																						
	 EM2361 L5(CUE) - Cable Laying between Location 5 and Location 7																																						
	 EM2380 L5(CUE) - Cable Splicing and Testing and Labeling																																						
	 Location 6(Common Utility Enclosure & Staff Subway)																																						
	 EM2400 L6(CUE) - Cable Laying between Location 5 and Location 6																																						
	 EM2420 L6(CUE) - Cable Splicing and Testing and Labeling																																						
	 Location 7(Common Utility Enclosure & Staff Subway)																																						
	 EM2440 L7(CUE) - Cable Laying between Location 5 and Location 7																																						
	 EM2460 L7(CUE) - Cable Splicing and Testing and Labeling																																						
	 Location 12(Inbnd Private Car Kiosks,GV Kiosks (027,028,029))																																						
	 Inbnd Private Car Kiosks(027) - 9 nos (Phase 1)																																						
	 EM1500 L12(027)(9nos P1) - Cable Splicing and Testing and Labeling																																						
	 EM1520 L12(027)(9nos P1) - AVCSS/MOM Kiosk Equipment Installation (9 nos)																																						
	 EM1541 L12(027)(9nos P1) - XDB installation (18 nos)																																						
	 EM1542 L12(027)(9nos P1) - ODB installation (5 nos)																																						
	 EM1543 L12(027)(9nos P1) - ODB installation (2 nos)																																						
	 EM1544 L12(027)(9nos P1) - ODB installation (2 nos)																																						
	 EM1560 L12(027)(9nos P1) - Loop installation (45 nos)																																						
	 Inbnd Goods Vehicle Kiosks(028) - 5 nos (Phase 1)																																						
	 EM1620 L12(028)(5nos P1) - Cable Laying and termination																																						
 EM1640 L12(028)(5nos P1) - Cable Splicing and Testing and Labeling																																							
 EM1660 L12(028)(5nos P1) - AVCSS/MOM Kiosk Equipment Installation (5 nos)																																							
 EM1681 L12(028)(5nos P1) - XDB installation (10 nos)																																							
 EM1682 L12(028)(5nos P1) - ODB installation (3 nos)																																							
 EM1683 L12(028)(5nos P1) - ODB installation (2 nos)																																							
Programme No.: HZMB-DWP Data Date: 14-Aug-15		<div><div></div> Actual Level of Effort</div> <div><div></div> Primary Baseline</div> <div><div></div> Actual Work</div> <div><div></div> Remaining Work</div> <div><div></div> Critical Remaining Work</div> <div><div></div> Baseline Milestone</div> <div><div></div> Milestone</div> <div><div></div> summary</div>										Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)								<table><tr><th>Date</th><th>Revision</th><th>Checked</th><th>Approved</th></tr><tr><td>14-Nov-16</td><td>Rev.: 0</td><td>WC</td><td>LC</td></tr><tr><td>10-Mar-17</td><td>Rev.: 1.0a</td><td>WC</td><td>LC</td></tr><tr><td>5-May-17</td><td>Rev.: 1.0b</td><td>WC</td><td>LC</td></tr></table>				Date	Revision	Checked	Approved	14-Nov-16	Rev.: 0	WC	LC	10-Mar-17	Rev.: 1.0a	WC	LC	5-May-17	Rev.: 1.0b	WC	LC
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Contract No.: HY/2013/06				Detail Work Programme				Page 5 of 8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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<div></div>	<div></div>	<div></div>	<div></div> EM1700	L12(028)(5nos P1) - AIOP Installation (5 nos)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

Contract No.: HY/2013/06		Detail Work Programme		Page 6 of 8											
Activity ID		Activity Name													

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Programme No.: HZMB-DWP Data Date: 14-Aug-15	 Actual Level of Effort  Primary Baseline  Actual Work  Remaining Work  Critical Remaining Work   Baseline Milestone   Milestone	 summary	Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities - Automatic Vehicle Clearance Support System (AVCSS)	<table border="1"> <thead> <tr> <th>Date</th> <th>Revision</th> <th>Checked</th> <th>Approved</th> </tr> </thead> <tbody> <tr> <td>14-Nov-16</td> <td>Rev.: 0</td> <td>WC</td> <td>LC</td> </tr> <tr> <td>10-Mar-17</td> <td>Rev.: 1.0a</td> <td>WC</td> <td>LC</td> </tr> <tr> <td>5-May-17</td> <td>Rev.: 1.0b</td> <td>WC</td> <td>LC</td> </tr> </tbody> </table>	Date	Revision	Checked	Approved	14-Nov-16	Rev.: 0	WC	LC	10-Mar-17	Rev.: 1.0a	WC	LC	5-May-17	Rev.: 1.0b	WC	LC
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	5-May-17	Rev.: 1.0b	WC	LC																



Actual Level of Effort

BL (IWP rev 2)

Actual Work

Remaining Work

Critical Remaining Work

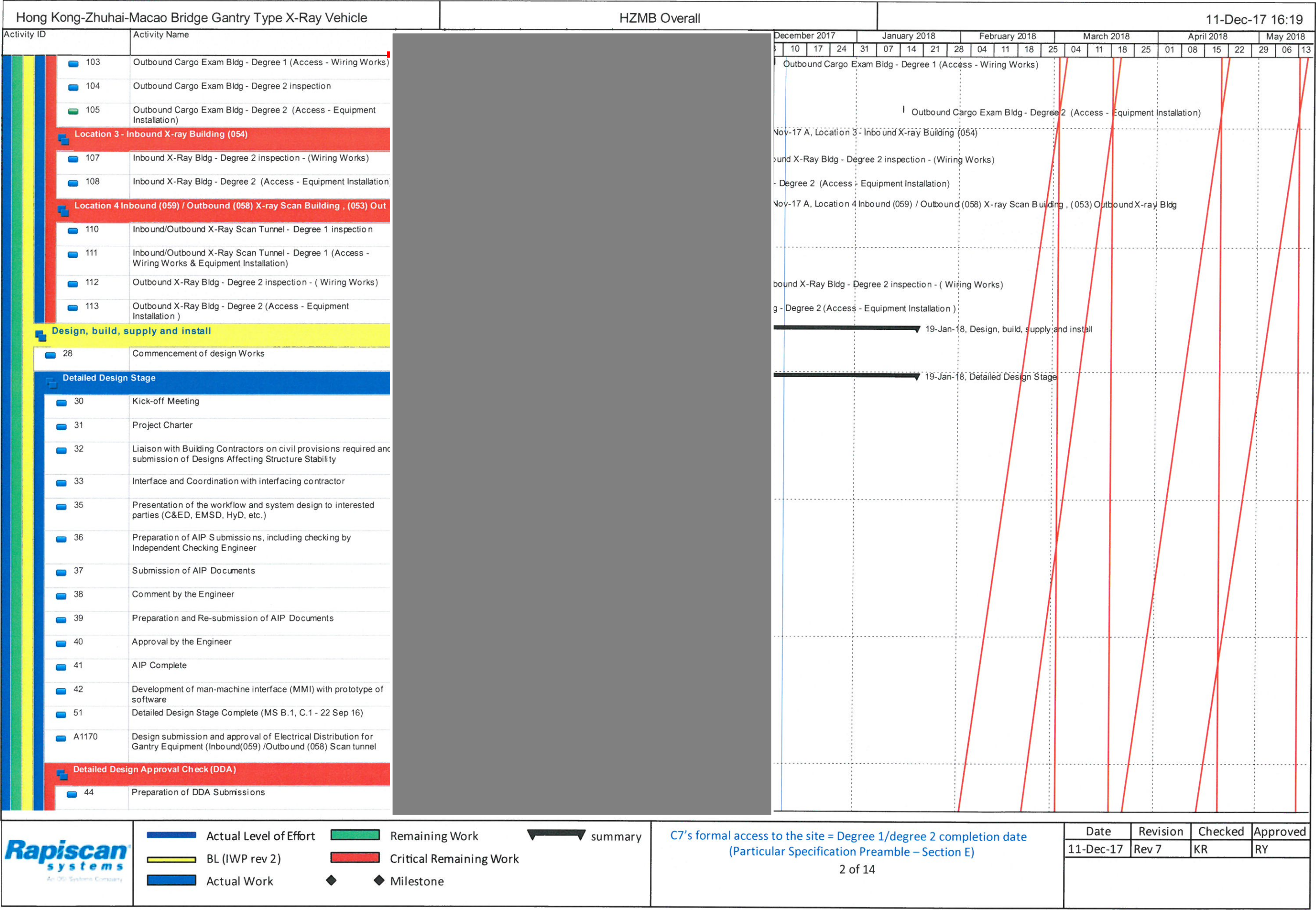
Milestone

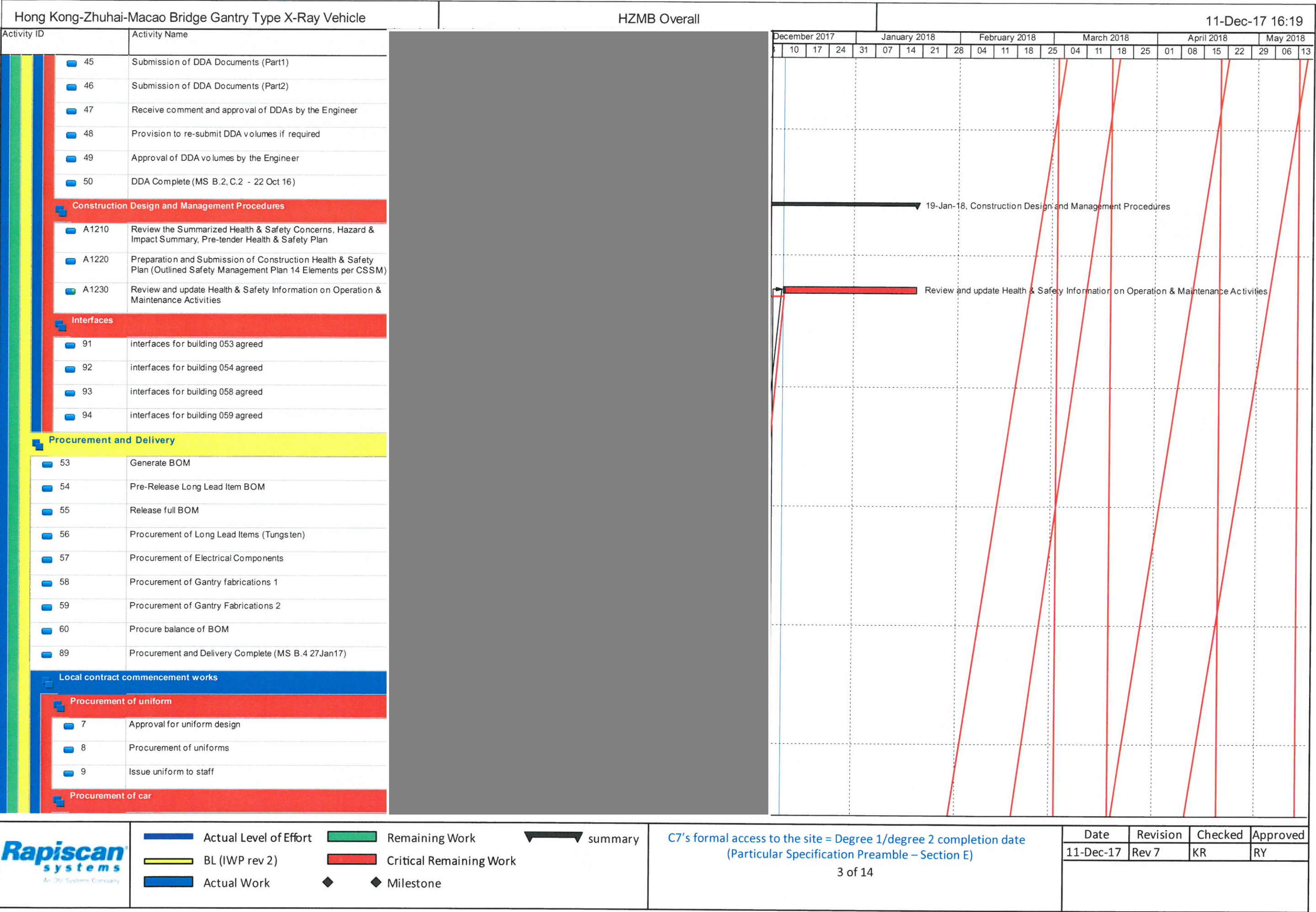
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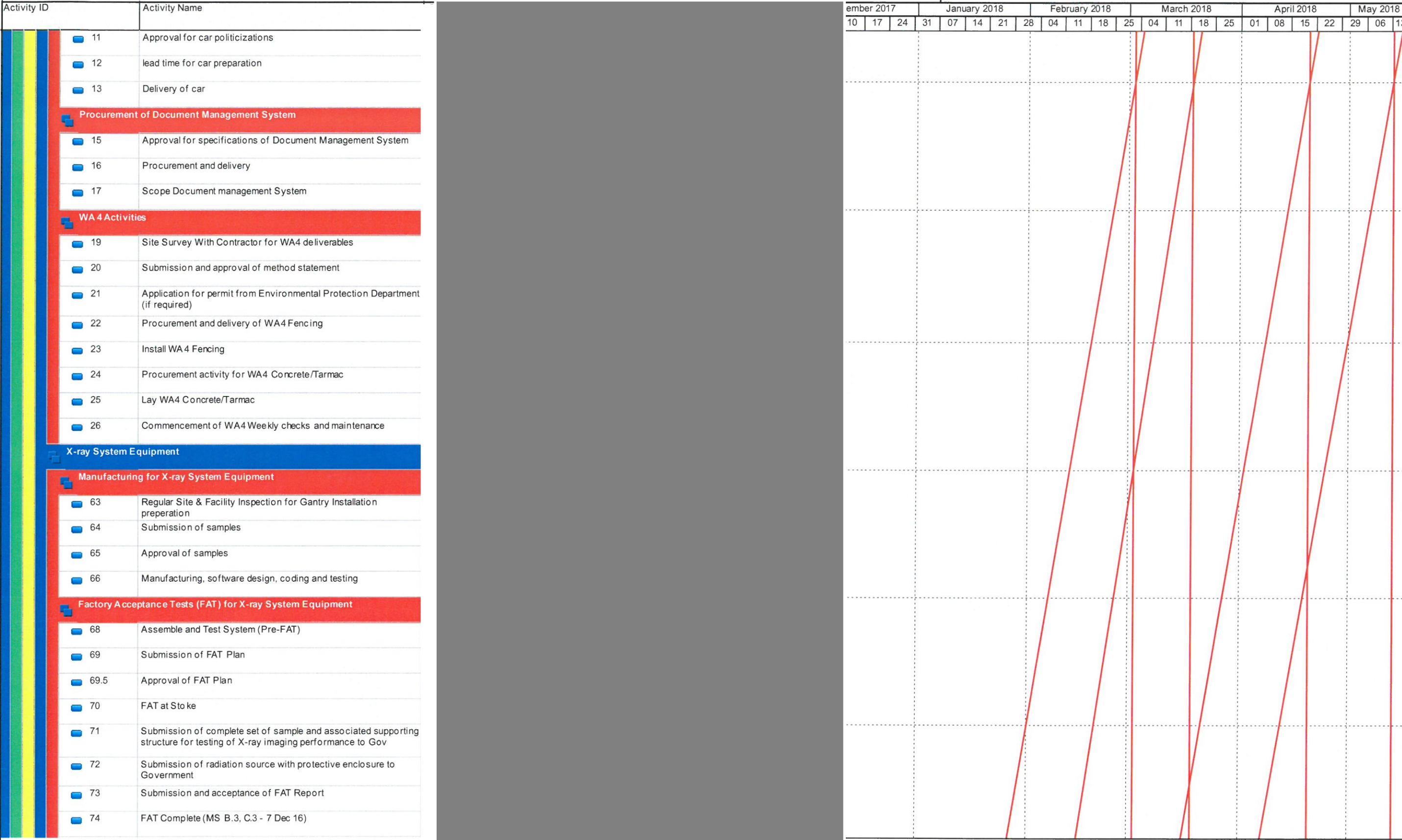
C7's formal access to the site = Degree 1/degree 2 completion date
(Particular Specification Preamble – Section E)

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Date	Revision	Checked	Approved
11-Dec-17	Rev 7	KR	RY



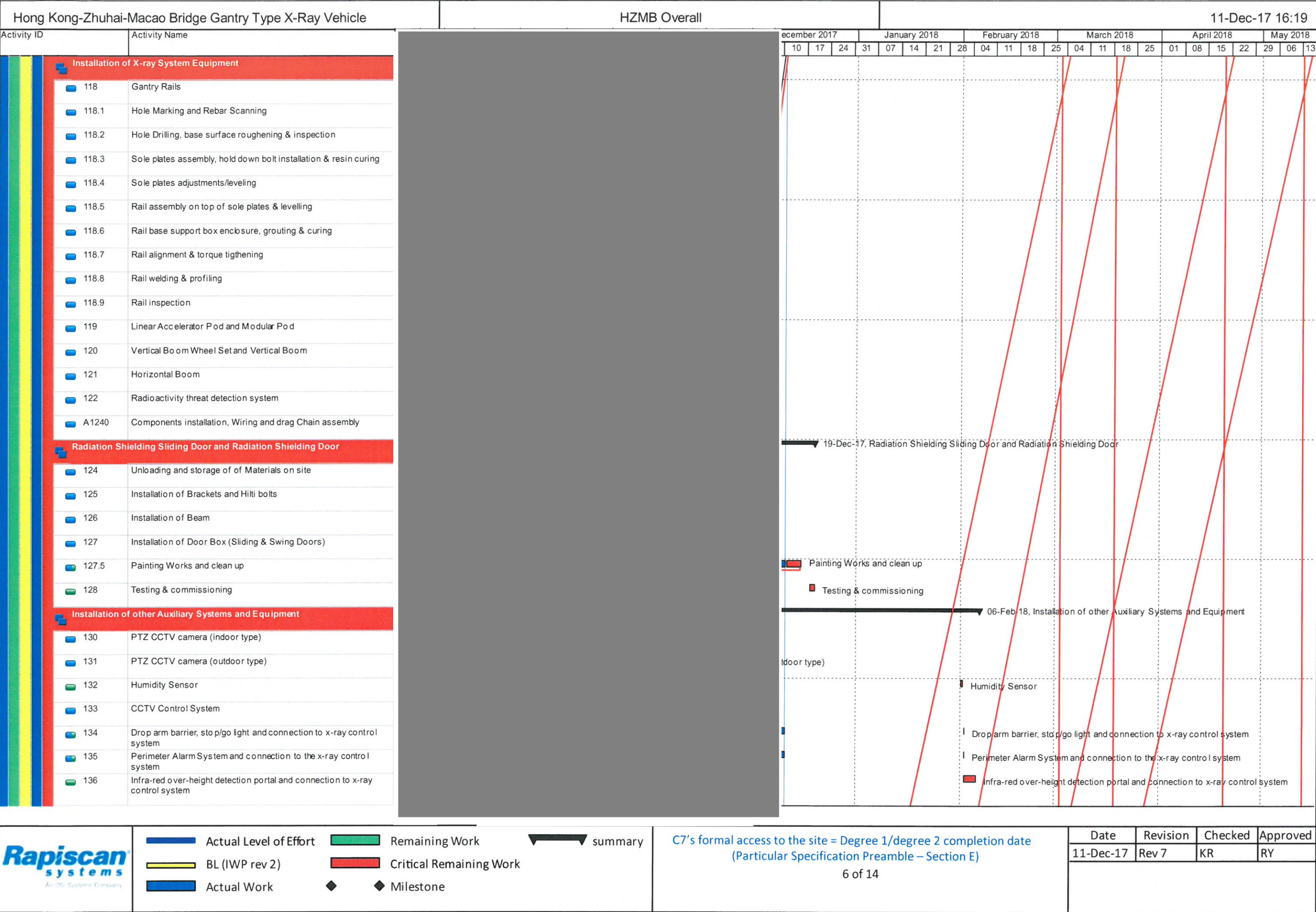




Actual Level of Effort Remaining Work summary
BL (IWP rev 2) Critical Remaining Work
Actual Work Milestone

C7's formal access to the site = Degree 1/degree 2 completion date
(Particular Specification Preamble – Section E)

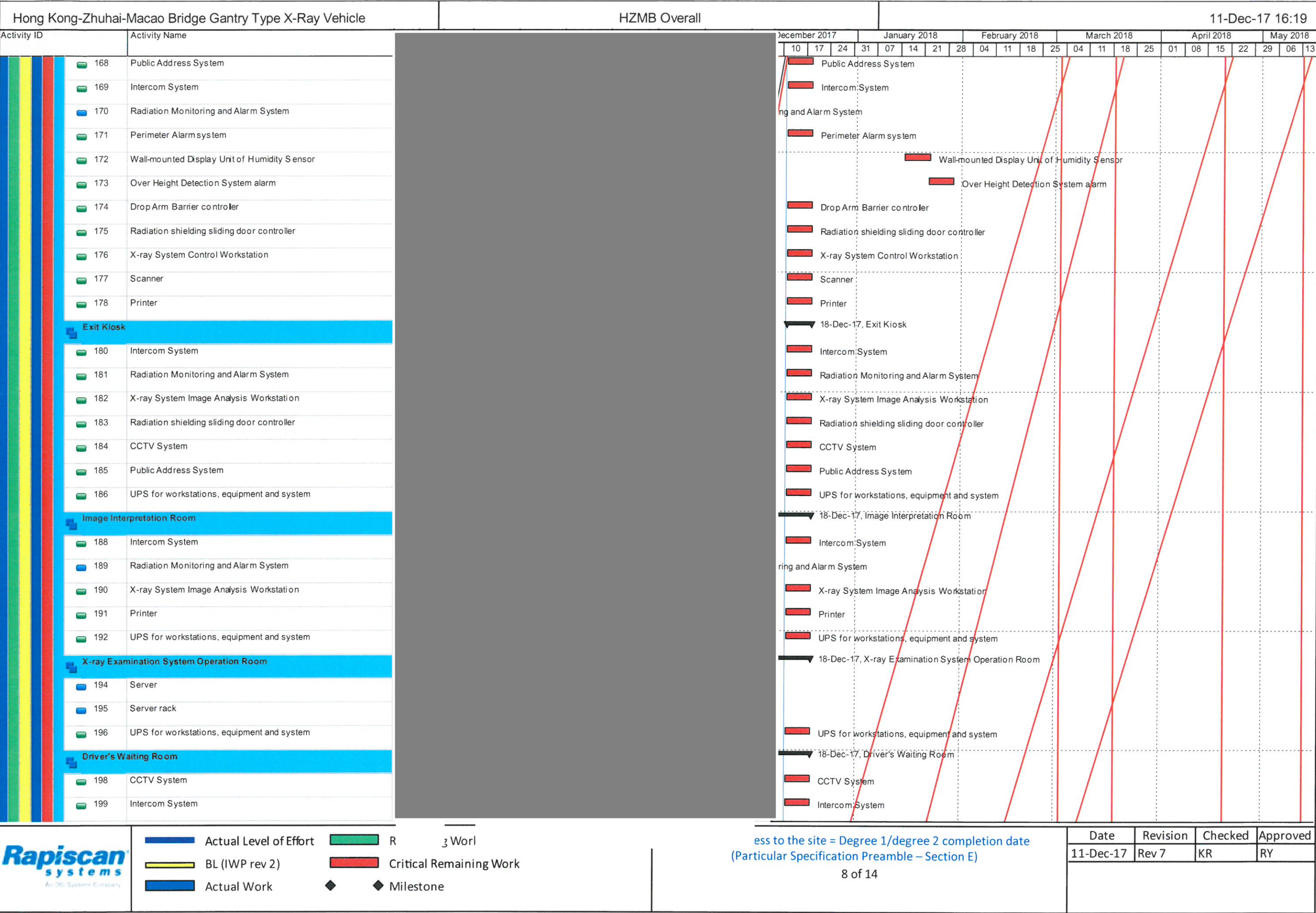
Date	Revision	Checked	Approved
11-Dec-17	Rev 7	KR	RY



Activity ID	Activity Name
137	Control, monitoring and alarms of infra-red over-height detection system, and associated component
138	Personal X-ray Dosimeter
139	UPS for workstations, equipment and system
X-ray Building (054)	
211	X-ray Building Installation Complete
Cabling and cable containment (054)	
143	Entry Kiosk
144	Control Room
145	Exit Kiosk
146	Image Interpretation Room
147	X-ray Examination System Operation Room
148	Driver's Waiting Room
149	Training Room
150	Cabling and cable containment complete
Equipment Installation	
Entry Kiosk	
153	X-ray System Image Analysis Workstation
154	CCTV System
155	Intercom System
156	Public Address System
157	Perimeter Alarm System
158	Radiation Monitoring and Alarm System
159	Over Height Detection System alarm
160	Drop Arm Barrier controller
161	Radiation shielding sliding door controller
162	UPS for workstations, equipment and system
163	Speaker
Control Room	
165	Video Wall (4nos. 55" LED)
166	UPS for workstations, equipment and system
167	CCTV System

1

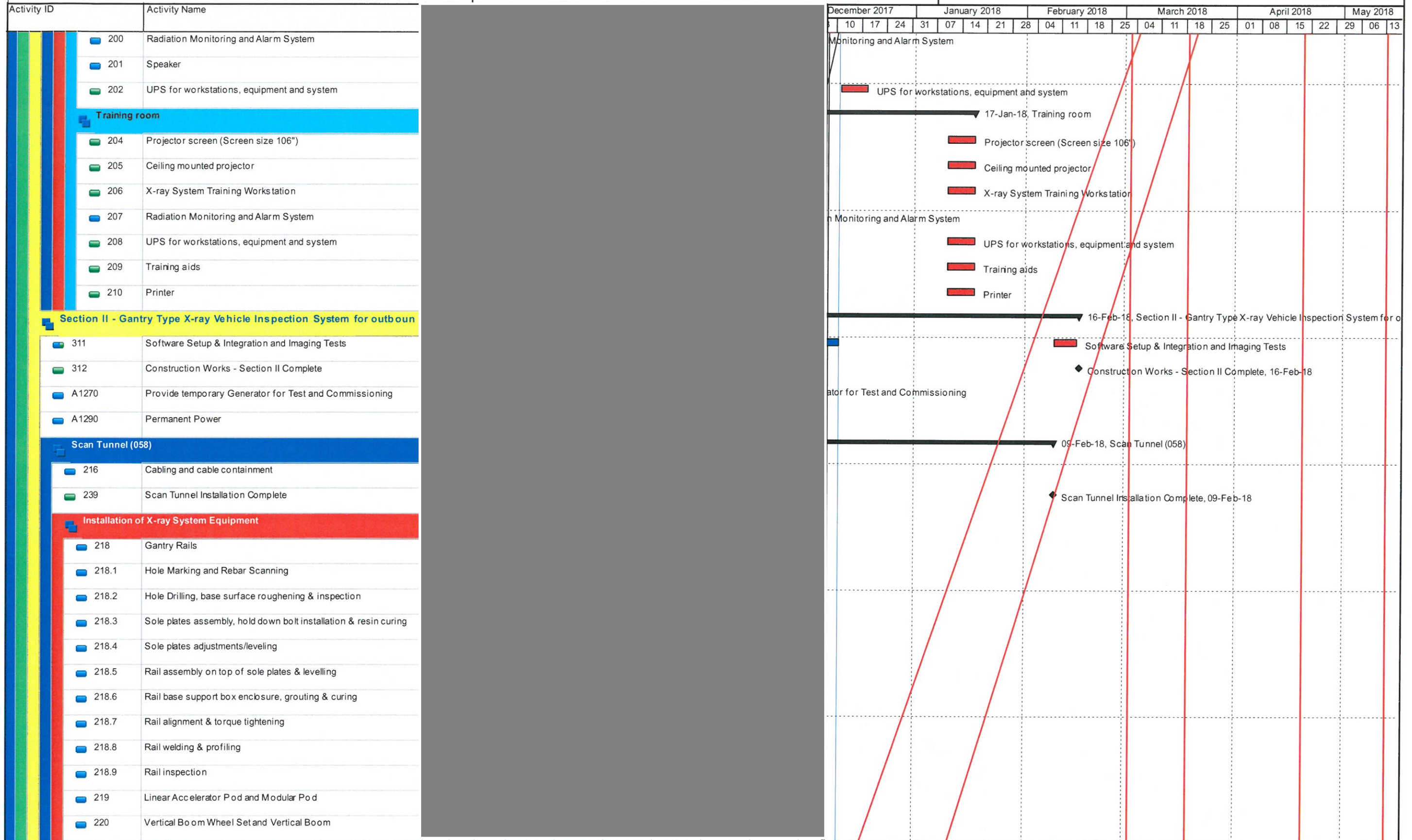




Hong Kong-Zhuhai-Macao Bridge Gantry Type X-Ray Vehicle

HZMB Overall

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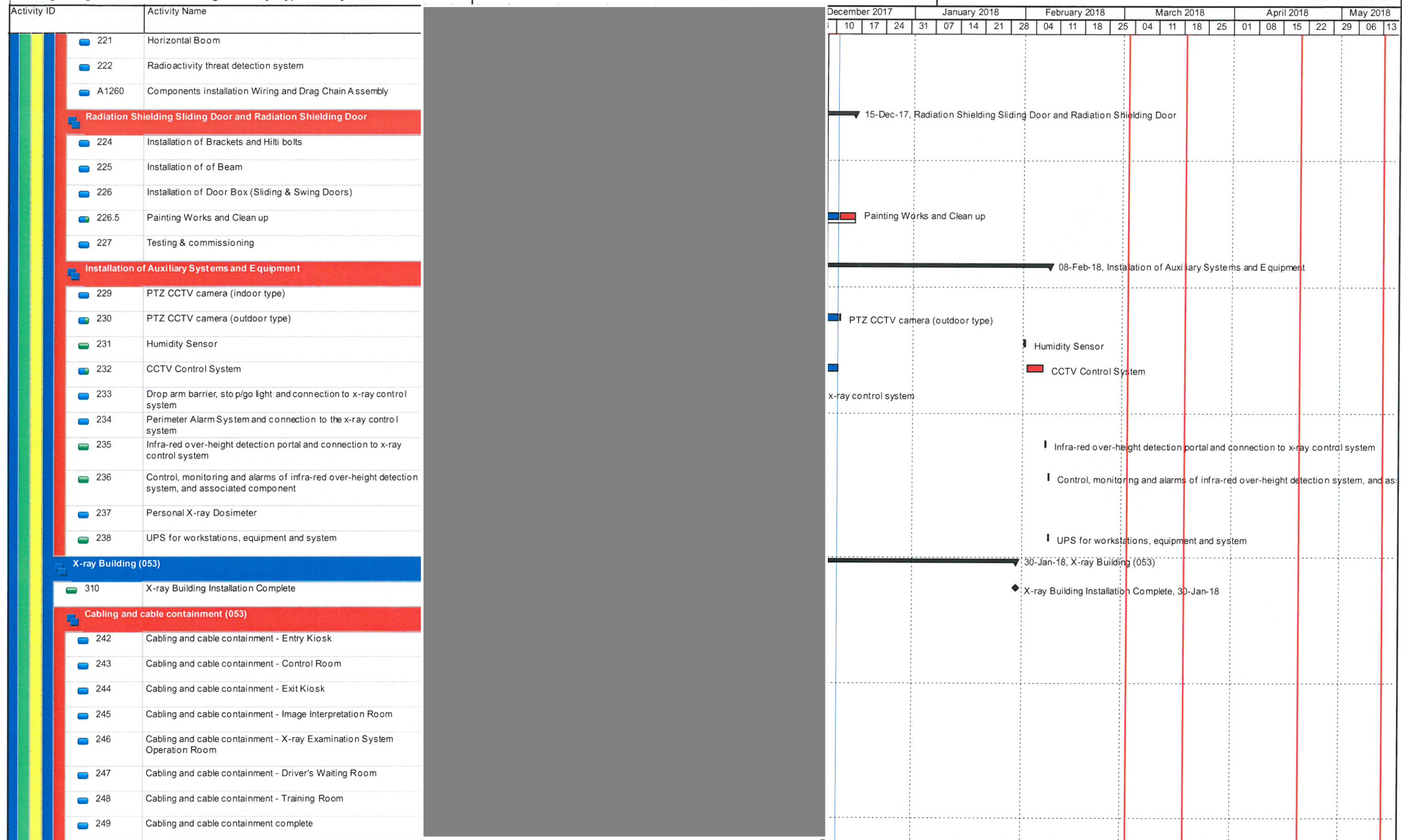


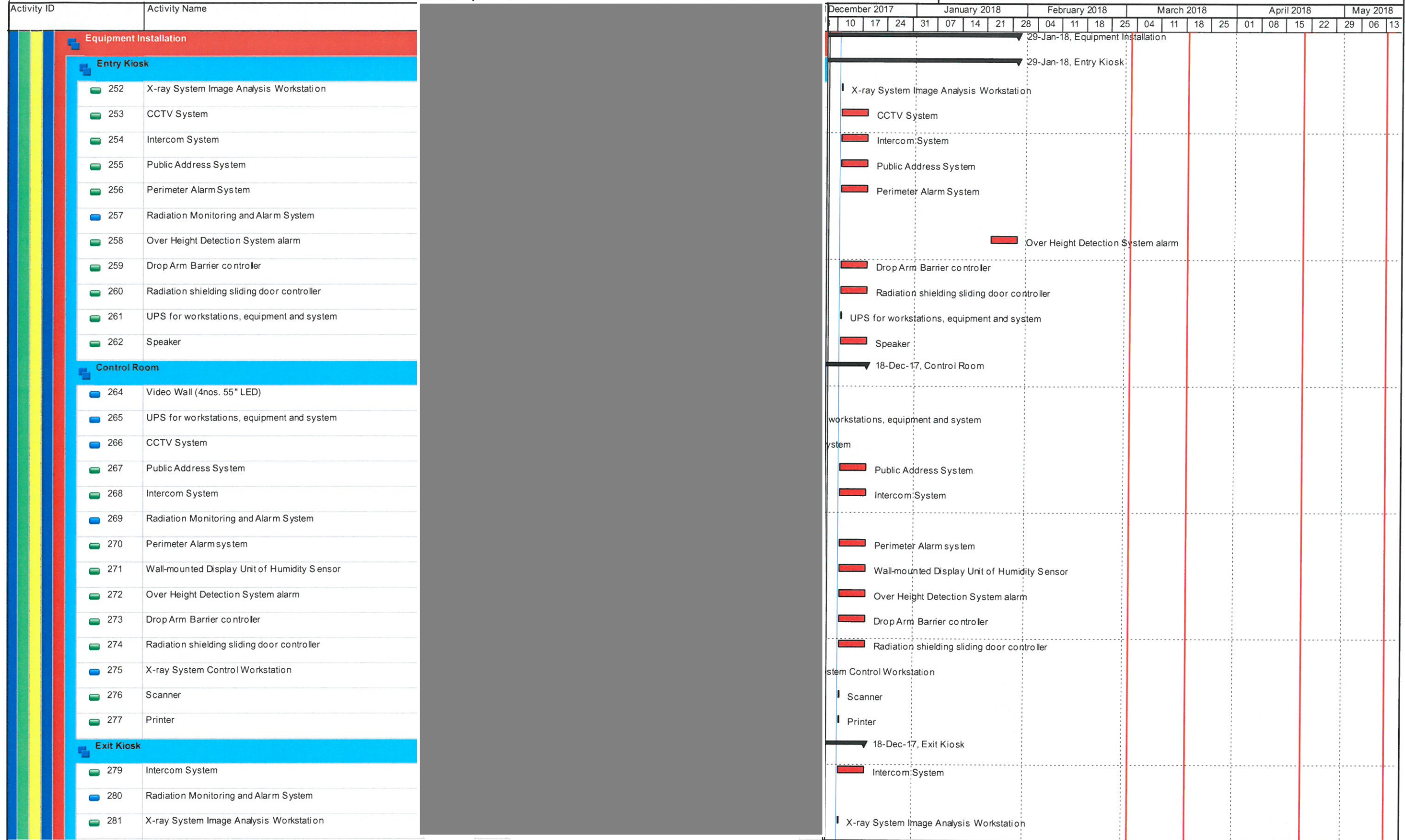
Actual Level of Effort
BL (IWP rev 2)
Actual Work
Remaining Work
Critical Remaining Work
Milestone
summary


C7's formal access to the site = Degree 1/degree 2 completion date
(Particular Specification Preamble – Section E)

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Actual Level of Effort

Remaining Work

BL (IWP rev 2)

Critical Remaining Work

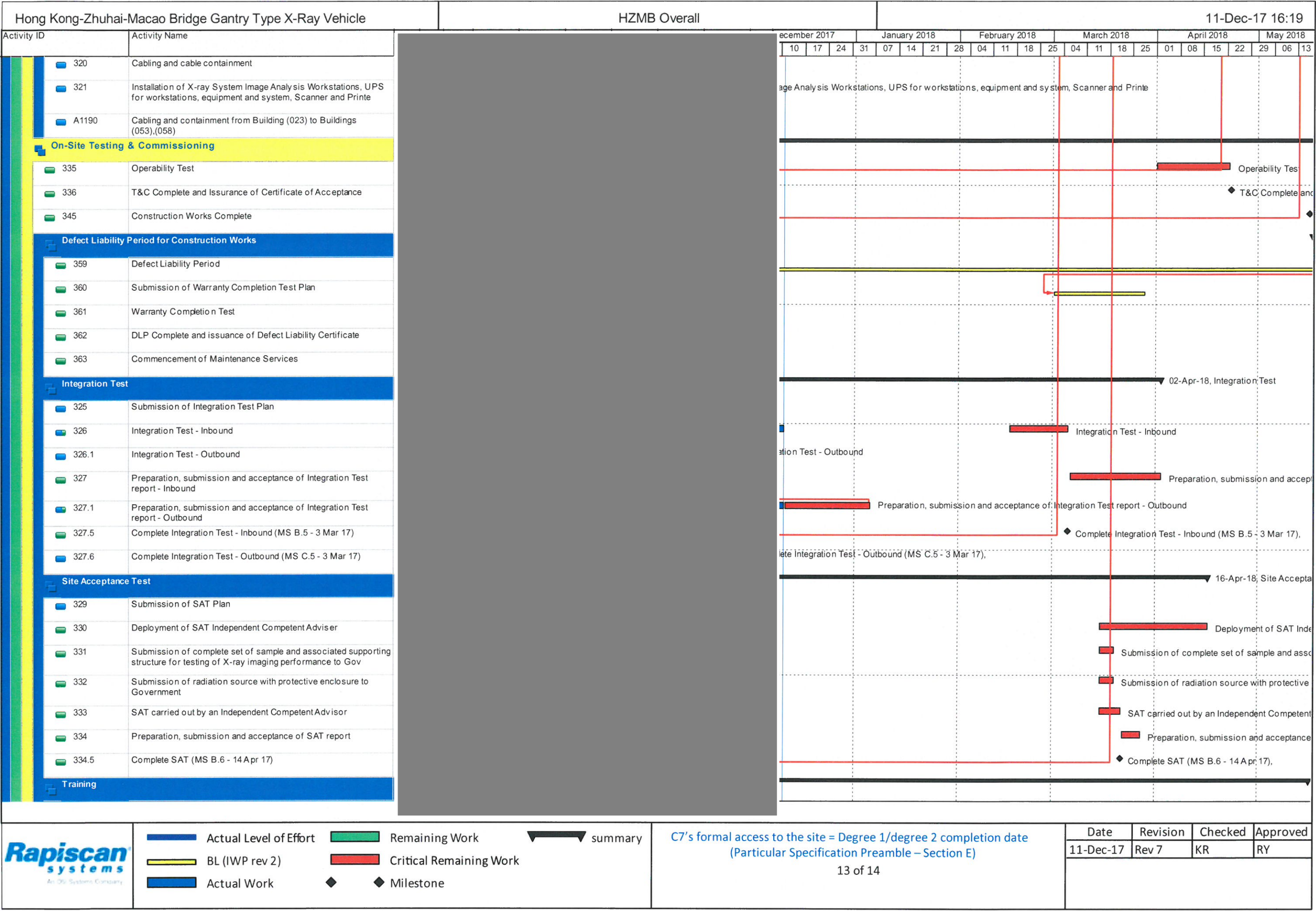
Milestone










summary

C7's formal access to the site = Degree 1/degree 2 completion date
(Particular Specification Preamble – Section E)

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	 Actual Level of Effort  Remaining Work  summary	C7's formal access to the site = Degree 1/degree 2 completion date (Particular Specification Preamble – Section E) 1 of 7	Date	Revision	Checked	Approved
	 BL (IWP rev 2)  Critical Remaining Work		11-Dec-17	Rev 7	KR	RY
	 Actual Work   Milestone					

Hong Kong-Zhuhai-Macao Bridge Gantry Type X-Ray Vehicle

Category	Score
Overall	72.5
Mathematics	75.0
Science	70.0
Reading	75.0
Writing	75.0
History	75.0
Art	75.0
Physical Education	75.0
Health	75.0
Language Arts	75.0
Foreign Languages	75.0
Music	75.0
Drama	75.0
Computer Science	75.0
Environmental Studies	75.0
Business	75.0
Law	75.0
Medicine	75.0
Engineering	75.0
Architecture	75.0
Design	75.0
Visual Arts	75.0
Performing Arts	75.0
Interdisciplinary Studies	75.0
Liberal Arts	75.0
Humanities	75.0
Social Sciences	75.0
Natural Sciences	75.0
Life Sciences	75.0
Physical Sciences	75.0
Earth Sciences	75.0
Astronomy	75.0
Geology	75.0
Chemistry	75.0
Biology	75.0
Physics	75.0
Mathematics	75.0
Statistics	75.0
Probability	75.0
Calculus	75.0
Algebra	75.0
Geometry	75.0
Trigonometry	75.0
Number Theory	75.0
Group Theory	75.0
Ring Theory	75.0
Field Theory	75.0
Module Theory	75.0
Category Theory	75.0
Topology	75.0
Geometry	75.0
Algebra	75.0
Calculus	75.0
Statistics	75.0
Probability	75.0
Combinatorics	75.0
Graph Theory	75.0
Discrete Mathematics	75.0
Logic	75.0
Set Theory	75.0
Model Theory	75.0
Proof Theory	75.0
Computational Complexity	75.0
Algorithm Design	75.0
Artificial Intelligence	75.0
Machine Learning	75.0
Robotics	75.0
Computer Vision	75.0
Natural Language Processing	75.0
Speech Recognition	75.0
Image Recognition	75.0
Video Recognition	75.0
Audio Recognition	75.0
Text Mining	75.0
Sentiment Analysis	75.0
Topic Modeling	75.0
Latent Dirichlet Allocation	75.0
Bayesian Networks	75.0
Markov Chains	75.0
Hidden Markov Models	75.0
Support Vector Machines	75.0
Decision Trees	75.0
Random Forests	75.0
Gradient Boosting	75.0
Neural Networks	75.0
Deep Learning	75.0
Convolutional Neural Networks	75.0
Recurrent Neural Networks	75.0
Generative Adversarial Networks	75.0
Autoencoders	75.0
Variational Autoencoders	75.0
Generative Models	75.0
Diffusion Models	75.0
Stochastic Processes	75.0
Markov Decision Processes	75.0
Reinforcement Learning	75.0
Game Theory	75.0
Evolutionary Algorithms	75.0
Genetic Algorithms	75.0
Particle Swarm Optimization	75.0
Ant Colony Optimization	75.0
Simulated Annealing	75.0
Tabu Search	75.0
Genetic Programming	75.0
Evolutionary Computation	75.0
Artificial Neural Networks	75.0
Deep Neural Networks	75.0
Convolutional Neural Networks	75.0
Recurrent Neural Networks	75.0
Generative Adversarial Networks	75.0
Autoencoders	75.0
Variational Autoencoders	75.0
Generative Models	75.0
Diffusion Models	75.0
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Recurrent Neural Networks	75.0
Generative Adversarial Networks	75.0
Autoencoders	75.0
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Generative Models	75.0
Diffusion Models	75.0
Stochastic Processes	75.0
Markov Decision Processes	75.0
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Genetic Programming	75.0
Evolutionary Computation	75.0
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Autoencoders	75.0
Variational Autoencoders	75.0
Generative Models	75.0
Diffusion Models	75.0
Stochastic Processes	75.0
Markov Decision Processes	

11-Dec-17 16:20

Activity ID	Activity Name	December 2017				January 2018				February 2018				March 2018				April 2018				May 2018				
		10	17	24	31	07	14	21	28	04	11	18	25	04	11	18	25	01	08	15	22	29	06	13		
Scan Tunnel (059)																										
116	Cabling and cable containment																									
140	Scan Tunnel Installation Complete																									
Radiation Shielding Sliding Door and Radiation Shielding Door																										
127.5	Painting Works and clean up																									
128	Testing & commissioning																									
Installation of other Auxiliary Systems and Equipment																										
132	Humidity Sensor																									
134	Drop arm barrier, stop/go light and connection to x-ray control system																									
135	Perimeter Alarm System and connection to the x-ray control system																									
136	Infra-red over-height detection portal and connection to x-ray control system																									
137	Control, monitoring and alarms of infra-red over-height detection system, and associated component																									
139	UPS for workstations, equipment and system																									
X-ray Building (054)																										
211	X-ray Building Installation Complete																									
Equipment Installation																										
Entry Kiosk																										
153	X-ray System Image Analysis Workstation																									
154	CCTV System																									
155	Intercom System																									
156	Public Address System																									
157	Perimeter Alarm System																									
158	Radiation Monitoring and Alarm System																									
159	Over Height Detection System alarm																									
160	Drop Arm Barrier controller																									
161	Radiation shielding sliding door controller																									
162	UPS for workstations, equipment and system																									
163	Speaker																									
Control Room																										
166	UPS for workstations, equipment and system																									
167	CCTV System																									

07-Feb-18, Scan Tunnel (059)																								
Cabling and cable containment																								
Scan Tunnel Installation Complete, 07-Feb-18																								
19-Dec-17, Radiation Shielding Sliding Door and Radiation Shielding Door																								
Painting Works and clean up																								
Testing & commissioning																								
06-Feb-18, Installation of other Auxiliary Systems and Equipment																								
Humidity Sensor																								
Drop arm barrier, stop/go light and connection to x-ray control system																								
Perimeter Alarm System and connection to the x-ray control system																								
Infra-red over-height detection portal and connection to x-ray control system																								
Control, monitoring and alarms of infra-red over-height detection system, and associated component																								
UPS for workstations, equipment and system																								
30-Jan-18, X-ray Building (054)																								
X-ray Building Installation Complete, 30-Jan-18																								
29-Jan-18, Equipment Installation																								
29-Jan-18, Entry Kiosk:																								
X-ray System Image Analysis Workstation																								
CCTV System																								
Intercom System																								
Public Address System																								
Perimeter Alarm System																								
Radiation Monitoring and Alarm System																								
Over Height Detection System alarm																								
Drop Arm Barrier controller																								
Radiation shielding sliding door controller																								
UPS for workstations, equipment and system																								
Speaker																								
29-Jan-18, Control Room																								
UPS for workstations, equipment and system																								
CCTV System																								



 Actual Level of Effort
  Remaining Work
  summary










 BL (IWP rev 2)
  Critical Remaining Work

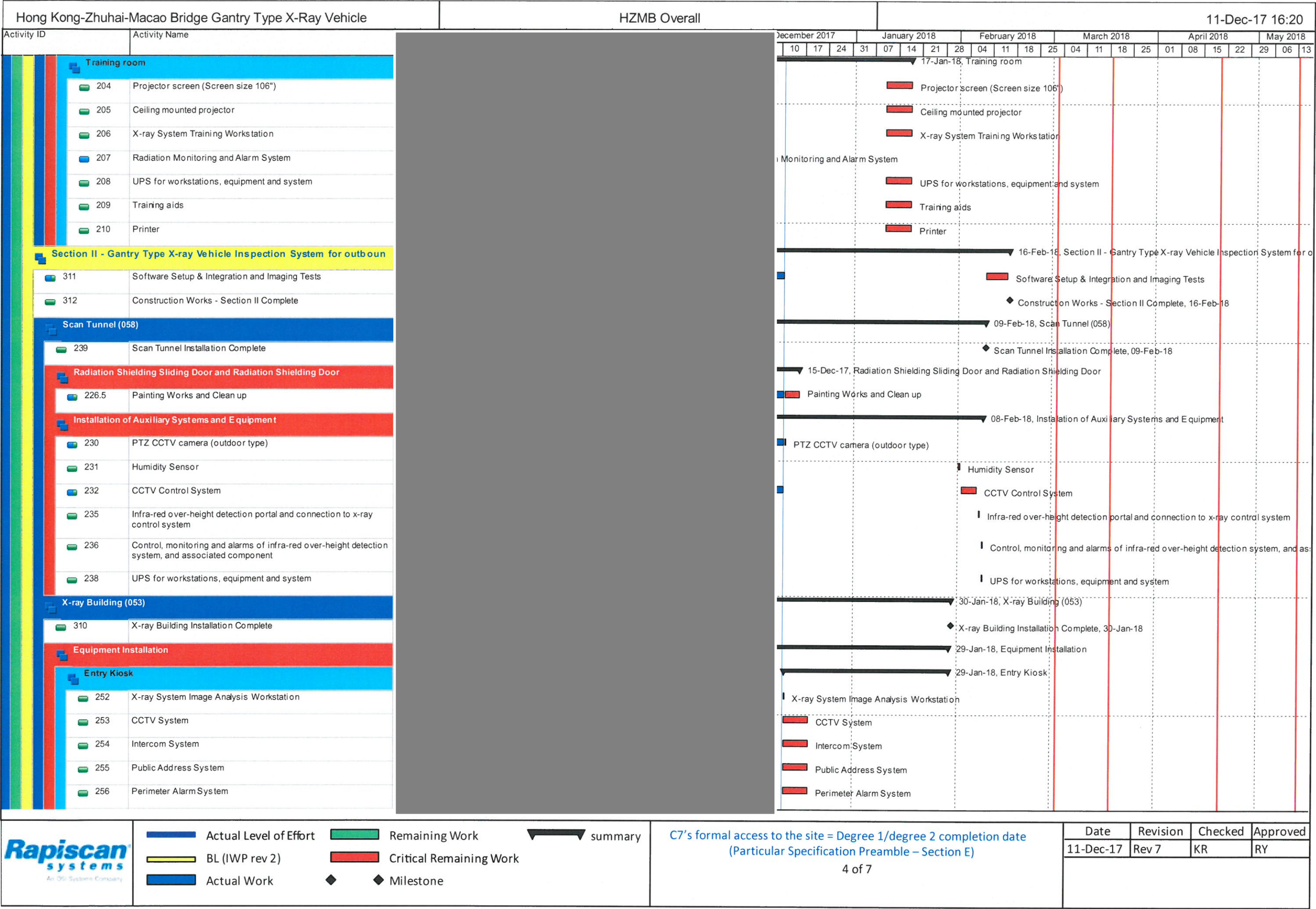
 Actual Work
  Milestone

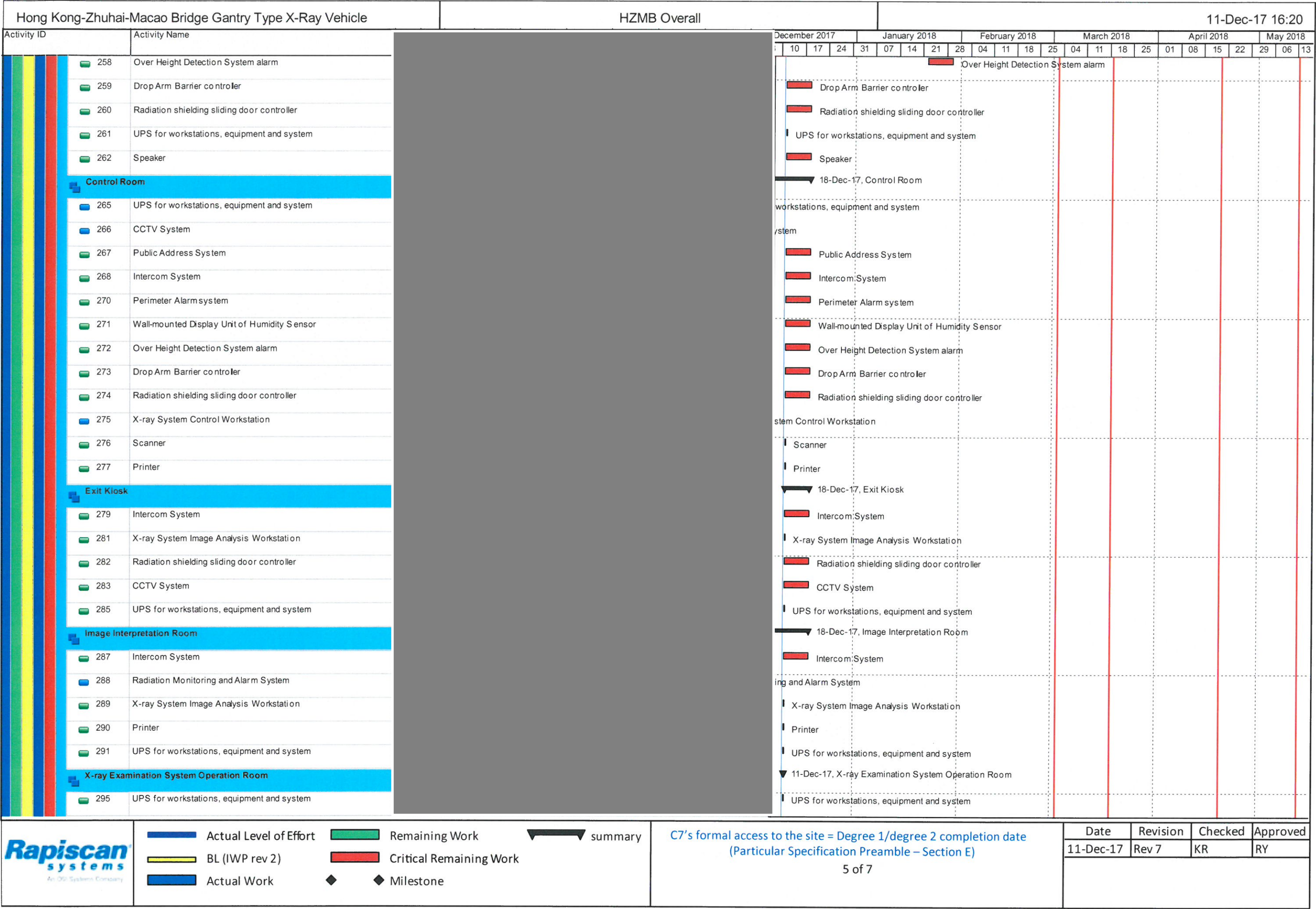
C7's formal access to the site = Degree 1/degree 2 completion date
(Particular Specification Preamble – Section E)










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Date	Revision	Checked	Approved
11-Dec-17	Rev 7	KR	RY

	 Actual Level of Effort  Remaining Work  summary	C7's formal access to the site = Degree 1/degree 2 completion date (Particular Specification Preamble – Section E) 3 of 7	Date	Revision	Checked	Approved
	 BL (IWP rev 2)  Actual Work  Critical Remaining Work   Milestone		11-Dec-17	Rev 7	KR	RY





	 Actual Level of Effort  Remaining Work  summary	C7's formal access to the site = Degree 1/degree 2 completion date (Particular Specification Preamble – Section E)	Date	Revision	Checked	Approved
	 BL (IWP rev 2)  Critical Remaining Work		11-Dec-17	Rev 7	KR	RY
	 Actual Work   Milestone					

