


































Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART)				APPENDIX 1 : Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version)																																				
				ALL ACTIVITY LAYOUT																																				
Activity ID		Activity Name		Original Duration	Activity % Complete	Start	Finish	Remaining Early Start	Remaining Early Finish	Remaining Late Start	Remaining Late Finish	Total Float																												
													M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	
		S1PC02041040	Economy, Finance & Accounting Manager - Hire and Orboard	90.0d	100%	04-Sep-19 A	03-Feb-20 A																																	
		S1PC02041050	HR Manager - Hire and Onboard	122.0d	100%	04-Sep-19 A	31-Jan-20 A																																	
		HSQE		302.0d		04-Sep-19 A	30-Jun-20	01-May-20	30-Jun-20	12-Aug-20	09-Oct-20	71.0d																												
		OH & Safety		122.0d		04-Sep-19 A	31-Jan-20 A																																	
		S1PC02041030	Occupational Safety and Security Manager - Hire and Onboard	122.0d	100%	04-Sep-19 A	31-Jan-20 A																																	
		Health, Safety and Environment		70.0d		04-Sep-19 A	03-Feb-20 A																																	
		S1PC02041100	Health, Safety and Environmental Manager - Hire and Onboard	70.0d	100%	04-Sep-19 A	03-Feb-20 A																																	
		Quality and Risk		70.0d		03-Mar-20 A	30-Jun-20	01-May-20	30-Jun-20	12-Aug-20	09-Oct-20	71.0d																												
		S1PC02041110	Quality and Risk Manager - Hire and Onboard	70.0d	90%	03-Mar-20 A	30-Jun-20	01-May-20	30-Jun-20	12-Aug-20	09-Oct-20	71.0d																												
		O&M Readiness		90.0d		01-Mar-19 A	14-Jan-20 A																																	
		O&M Readiness Mgmt.		90.0d		01-Mar-19 A	14-Jan-20 A																																	
		S1PC02041010	Project Manager (O&M Readiness) - Hire and Onboard	80.0d	100%	10-May-19 A	03-Sep-19 A																																	
		S1PC02041060	Training & Competence Manager - Hire and Onboard	80.0d	100%	10-May-19 A	03-Sep-19 A																																	
		S1PC02041070	Third Party Interface Manager - Hire and Onboard	90.0d	100%	01-Mar-19 A	14-Jan-20 A																																	
		Operations		100.0d		04-Sep-19 A	30-Jun-20	01-May-20	30-Jun-20	05-May-20	02-Jul-20	2.0d																												
		Train and Stations		90.0d		04-Sep-19 A	02-Mar-20 A																																	
		S1PC02041020	Train & Stations Manager - Hire and Onboard	90.0d	100%	04-Sep-19 A	02-Mar-20 A																																	
		Operations Control Center (OCC)		90.0d		04-Sep-19 A	06-Apr-20 A																																	
		S1PC02041080	OCC Manager - Hire and Onboard	90.0d	100%	04-Sep-19 A	06-Apr-20 A																																	
		Performance & Planning (P&P)		100.0d		04-Sep-19 A	30-Jun-20	01-May-20	30-Jun-20	05-May-20	02-Jul-20	2.0d																												
		S1PC02041090	Performance and Planning Manager - Hire and Onboard	100.0d	25%	04-Sep-19 A	30-Jun-20	01-May-20	30-Jun-20	05-May-20	02-Jul-20	2.0d																												
		Engineering and Maintenance		281.0d		12-Apr-19 A	31-Aug-20	01-May-20	31-Aug-20	05-May-20	02-Sep-20	2.0d																												
		Rolling Stock and Depot		120.0d		12-Apr-19 A	10-Aug-20	01-May-20	10-Aug-20	12-May-20	19-Aug-20	7.0d																												
		S1PC02041120	Rolling Stock and Depot Manager - Hire and Onboard	120.0d	50%	12-Apr-19 A	10-Aug-20	01-May-20	10-Aug-20	12-May-20	19-Aug-20	7.0d																												
		ATC and Systems		61.0d		04-Sep-19 A	31-Aug-20	01-May-20	31-Aug-20	05-May-20	02-Sep-20	2.0d																												
		S1PC02041130	ATC & Systems Manager - Hire and Onboard	61.0d	90%	04-Sep-19 A	31-Aug-20	01-May-20	31-Aug-20	05-May-20	02-Sep-20	2.0d																												
		Maintenance of Way		90.0d		04-Sep-19 A	10-Aug-20	01-May-20	10-Aug-20	18-May-20	25-Aug-20	11.0d																												
		S1PC02041140	Maintenance of Way Manager - Hire and Onboard	90.0d	25%	04-Sep-19 A	10-Aug-20	01-May-20	10-Aug-20	18-May-20	25-Aug-20	11.0d																												
		Asset Management		105.0d		04-Sep-19 A	30-Jun-20	01-May-20	30-Jun-20	13-May-20	13-Jul-20	8.0d																												
		S1PC02041150	Engineering and Asset Manager - Hire and Onboard	105.0d	90%	04-Sep-19 A	30-Jun-20	01-May-20	30-Jun-20	13-May-20	13-Jul-20	8.0d																												
		Facilities		61.0d		04-Sep-19 A	31-Jan-20 A																																	
		S1PC02041160	Facilities Manager - Hire and Onboard	61.0d	100%	04-Sep-19 A	31-Jan-20 A																																	
		Hiring - Admin. & Field Level (Support Staff/Technician/Supervisor/Operator)		485.0d		01-Mar-19 A	30-Dec-20	01-May-20	30-Dec-20	04-May-20	05-Feb-21	25.0d																								</				

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Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Submission	Samrat	Michele
11-Jun-20	HNL - Revised Baseline (1 March 21) - HART Final Submission	Samrat	Michele
08-Jul-20	HNL - Rev.BL_HART(1 March 21)- with revision in Trial Run	Samrat	Michele

 Remaining Work   Milestone
 Critical Remaining Work  summary
 Actual Work   Critical Milestones

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											M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	
	 S1PC04011810	GOLD: Holds discussion, incorporate comments and finalise/complete the QA WI (part of GOLD Submission)		58.0d	100%	30-Aug-19 A	22-Mar-20 A																															
	 S1PC04011820	GOLD: Final Doc check and submit all the QA WI for Fomal Approval		2.0d	100%	23-Mar-20 A	23-Mar-20 A																															
	 Environment			234.0d		15-Mar-19 A	23-Mar-20 A																															
	 WI= Bronze			76.0d		15-Mar-19 A	16-Jul-19 A																															
	 S1PC04011840	BRONZE: Draft Submission of all the Environmental WI		76.0d	100%	15-Mar-19 A	01-Jul-19 A																															
	 S1PC04011850	BRONZE: First Review by HRH and issue comment sheet on draft WI		10.0d	100%	02-Jul-19 A	16-Jul-19 A																															
	 WI= Silver			20.0d		17-Jul-19 A	29-Aug-19 A																															
	 S1PC04011860	SILVER: Incorporate comments and update the draft WI		10.0d	100%	17-Jul-19 A	30-Jul-19 A																															
	 S1PC04011870	SILVER: Submission of all the Environmental WI to HART		2.0d	100%	31-Jul-19 A	01-Aug-19 A																															
	 S1PC04011900	SILVER: Review by HART, issue final comment sheet		20.0d	100%	02-Aug-19 A	29-Aug-19 A																															
	 WI= Gold			234.0d		30-Aug-19 A	23-Mar-20 A																															
	 S1PC04011880	GOLD: Holds discussion, incorporate comments and finalise/complete the E&S WI (part of GOLD Submission)		58.0d	100%	30-Aug-19 A	22-Mar-20 A																															
	 S1PC04011890	GOLD: Final Doc check and submit all the Environmental WI for Fomal Approval		2.0d	100%	23-Mar-20 A	23-Mar-20 A																															
	 Forms and Register (FR)			234.0d		15-Mar-19 A	23-Mar-20 A																															
	 General HSEQ			234.0d		15-Mar-19 A	23-Mar-20 A																															
	 FR= Bronze			76.0d		15-Mar-19 A	16-Jul-19 A																															
	 S1PC04011910	BRONZE: Draft Submission of all the General HSEQ Forms / Register		76.0d	100%	15-Mar-19 A	01-Jul-19 A																															
	 S1PC04011920	BRONZE: First Review by HRH and issue comment sheet on draft Forms / Register		10.0d	100%	02-Jul-19 A	16-Jul-19 A																															
	 FR= Silver			20.0d		17-Jul-19 A	29-Aug-19 A																															
	 S1PC04011930	SILVER: Incorporate comments and update the draft Forms / Register		10.0d	100%	17-Jul-19 A	30-Jul-19 A																															
	 S1PC04011940	SILVER: Submission of all the General HSEQ Form/ Register to HART		2.0d	100%	31-Jul-19 A	01-Aug-19 A																															
	 S1PC04011970	SILVER: Review by HART, issue final comment sheet		20.0d	100%	02-Aug-19 A	29-Aug-19 A																															
	 FR= Gold			234.0d		30-Aug-19 A	23-Mar-20 A																															
	 S1PC04011950	GOLD: Holds discussion, incorporate comments and finalise/complete the General HSEQ Form/ Register (part of GOLD Sub.)		58.0d	100%	30-Aug-19 A	22-Mar-20 A																															
	 S1PC04011960	GOLD: Final Doc check and submit all the General HSEQ Form/ Register for Fomal Approval		2.0d	100%	23-Mar-20 A	23-Mar-20 A																															
	 Health and Safety			234.0d		15-Mar-19 A	23-Mar-20 A																															
	 FR= Bronze			76.0d		15-Mar-19 A	16-Jul-19 A																															
	 S1PC04011980	BRONZE: Draft Submission of all the H&S Form/ Register		76.0d	100%	15-Mar-19 A	01-Jul-19 A																															
	 S1PC04011990	BRONZE: First Review by HRH and issue comment sheet on draft Form/ Register		10.0d	100%	02-Jul-19 A	16-Jul-19 A																															
	 FR= Silver			20.0d		17-Jul-19 A	29-Aug-19 A																															
	 S1PC04012000	SILVER: Incorporate comments and update the draft Form/ Register		10.0d	100%	17-Jul-19 A	30-Jul-19 A																															
	 S1PC04012010	SILVER: Submission of all the H&S Form/ Register to HART		2.0d	100%	31-Jul-19 A	01-Aug-19 A																															
	 S1PC04012040	SILVER: Review by HART, issue final comment sheet		20.0d	100%	02-Aug-19 A	29-Aug-19 A																															
	 FR= Gold			234.0d		30-Aug-19 A	23-Mar-20 A																															
	 S1PC04012020	GOLD: Holds discussion, incorporate comments and finalise/complete the H&S Form/ Register (part of GOLD Submission)		58.0d	100%	30-Aug-19 A	22-Mar-20 A																															
	 S1PC04012030	GOLD: Final Doc check and submit all the H&S Form/ Register for Fomal Approval		2.0d	100%	23-Mar-20 A	23-Mar-20 A																															
	 Quality Assurance			234.0d		15-Mar-19 A	23-Mar-20 A																															
	 FR= Bronze			76.0d		15-Mar-19 A	16-Jul-19 A																															
	 S1PC04012050	BRONZE: Draft Submission of all the QA Form/ Register		76.0d	100%	15-Mar-19 A	01-Jul-19 A																															

Remaining Work

Critical Remaining Work


Actual Work

◆ Milestone

summary

◆ Critical Milestones

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Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Submission	Samrat	Michele
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S1PC05011400		SILVER: Submission of the Maintenance MGMT. Plan to HART			2.0d	100%	26-Mar-20 A	26-Mar-20 A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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PL= Gold					32.0d		01-May-20	16-Jun-20	01-May-20	16-Jun-20	12-Jan-21	26-Feb-21	176.0d																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
S1PC05011410		GOLD: Holds discussion, incorporate comments and finalise/complete the Plan (part of GOLD Submission)			30.0d	0%	01-May-20	12-Jun-20	01-May-20	12-Jun-20	12-Jan-21	24-Feb-21	176.0d																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
S1PC05011420		GOLD: Final Doc check and submit the Maintenance MGMT. Plan for Fomal Approval			2.0d	0%	15-Jun-20	16-Jun-20	15-Jun-20	16-Jun-20	25-Feb-21	26-Feb-21	176.0d																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Failure Management Procedure					134.0d		04-Sep-19 A	17-Mar-20 A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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S1PC05012140		BRONZE: Draft Submission of all the Failure MGMT. Procedure			35.0d	100%	04-Sep-19 A	23-Oct-19 A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
S1PC05012150		BRONZE: First Review by HRH and issue comment sheet on draft Procedure			20.0d	100%	24-Oct-19 A	21-Nov-19 A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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S1PC05012160		SILVER: Incorporate comments and update the draft Procedure			25.0d	100%	22-Nov-19 A	30-Dec-19 A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
S1PC05012170		SILVER: Submission of all the Failure MGMT. Procedures to HART			2.0d	100%	31-Dec-19 A	02-Jan-20 A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
S1PC05012200		SILVER: Review by HART, issue final comment sheet			20.0d	100%	03-Jan-20 A	31-Jan-20 A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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S1PC05012180		GOLD: Holds discussion, incorporate comments and finalise/complete the Failure MGMT.Procedures (part of GOLD Subm.)			30.0d	100%	03-Feb-20 A	16-Mar-20 A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
S1PC05012190		GOLD: Final Doc check and submit all the Failure MGMT. Procedures for Fomal Approval			2.0d	100%	17-Mar-20 A	17-Mar-20 A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART)				APPENDIX 1 : Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version)																																
				ALL ACTIVITY LAYOUT																																
Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Remaining Early Start	Remaining Early Finish	Remaining Late Start	Remaining Late Finish	Total Float	Q		Q		Q		Q		Q		Q		Q		Q		Q									
											M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A
HRH.MPS.1570	On Track Equipments (OTE) Sub-System - Obtain remaining OEM Maunals, Maint. Manuals, Data Sheet etc to produce JP Tasks	5.0d	0%	11-May-20	15-May-20	11-May-20	15-May-20	21-May-20	28-May-20	8.0d																										
HRH.MPS.1580	Facilities Management - Obtain remaining OEM Maunals, Maint. Manuals, Data Sheet etc to produce JP Tasks	30.0d	0%	11-May-20	22-Jun-20	11-May-20	22-Jun-20	11-Jun-20	23-Jul-20	22.0d																										
MSP - Job Plans Production		162.0d		18-May-20	06-Jan-21	18-May-20	06-Jan-21	29-May-20	19-Jan-21	8.0d																										
MSP- Job Plans for ATC and Signalling Subsystem (x 15 Asset Group Job Plans)		48.0d		10-Jun-20	17-Aug-20	10-Jun-20	17-Aug-20	02-Sep-20	19-Jan-21	106.0d																										
Batch 1 - ATC		23.0d		10-Jun-20	13-Jul-20	10-Jun-20	13-Jul-20	02-Sep-20	19-Jan-21	131.0d																										
HRH.MPS.2000	ATC Sub-systemc (Batch 1) : Develop the detailed Job Plans (Assume 45% Asset Group Job Plans)	12.0d	0%	10-Jun-20	25-Jun-20	10-Jun-20	25-Jun-20	02-Sep-20	18-Sep-20	59.0d																										
HRH.MPS.2010	ATC Sub-systemc (Batch 1) : Review of Job Plans by HRH	5.0d	0%	26-Jun-20	02-Jul-20	26-Jun-20	02-Jul-20	04-Jan-21	08-Jan-21	131.0d																										
HRH.MPS.2020	ATC Sub-systemc (Batch 1) : Incorporate HRH comments (if any) and submit updated Job Plans	5.0d	0%	06-Jul-20	10-Jul-20	06-Jul-20	10-Jul-20	11-Jan-21	15-Jan-21	131.0d																										
HRH.MPS.2030	ATC Sub-systemc (Batch 1) : Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0%	13-Jul-20	13-Jul-20	13-Jul-20	13-Jul-20	19-Jan-21	19-Jan-21	131.0d																										
Batch 2 - ATC		28.0d		09-Jul-20	17-Aug-20	09-Jul-20	17-Aug-20	06-Oct-20	19-Jan-21	106.0d																										
HRH.MPS.2040	ATC Sub-systemc (Batch 2) : Develop the detailed Job Plans (Assume 55% Asset Group Job Plans)	15.0d	0%	09-Jul-20	29-Jul-20	09-Jul-20	29-Jul-20	06-Oct-20	27-Oct-20	62.0d																										
HRH.MPS.2050	ATC Sub-systemc (Batch 2) : Review of Job Plans by HRH	6.0d	0%	30-Jul-20	06-Aug-20	30-Jul-20	06-Aug-20	30-Dec-20	07-Jan-21	106.0d																										
HRH.MPS.2060	ATC Sub-systemc (Batch 2) : Incorporate HRH comments (if any) and ready for submission of updated Job Plans	6.0d	0%	07-Aug-20	14-Aug-20	07-Aug-20	14-Aug-20	08-Jan-21	15-Jan-21	106.0d																										
HRH.MPS.2070	ATC Sub-systemc (Batch 2) : Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0%	17-Aug-20	17-Aug-20	17-Aug-20	17-Aug-20	19-Jan-21	19-Jan-21	106.0d																										
MSP- Job Plans for Passenger Vehicle Subsystem (x 43 Asset Group Job Plans)		80.0d		26-Jun-20	20-Oct-20	26-Jun-20	20-Oct-20	21-Sep-20	19-Jan-21	62.0d																										
Batch 1 - PV		17.0d		26-Jun-20	21-Jul-20	26-Jun-20	21-Jul-20	21-Sep-20	19-Jan-21	125.0d																										
HRH.MPS.3000	PV Sub-system (Batch 1) : Develop the detailed Job Plans (Assume 15% Asset Group Job Plans)	8.0d	0%	26-Jun-20	08-Jul-20	26-Jun-20	08-Jul-20	21-Sep-20	30-Sep-20	59.0d																										
HRH.MPS.3010	PV Sub-systemc (Batch 1) : Review of Job Plans by HRH	4.0d	0%	09-Jul-20	14-Jul-20	09-Jul-20	14-Jul-20	06-Jan-21	11-Jan-21	125.0d																										
HRH.MPS.3020	PV Sub-systemc (Batch 1) : Incorporate HRH comments (if any) and submit updated Job Plans	4.0d	0%	15-Jul-20	20-Jul-20	15-Jul-20	20-Jul-20	12-Jan-21	15-Jan-21	125.0d																										
HRH.MPS.3030	PV Sub-systemc (Batch 1) : Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0%	21-Jul-20	21-Jul-20	21-Jul-20	21-Jul-20	19-Jan-21	19-Jan-21	125.0d																										
Batch 2 - PV		57.0d		30-Jul-20	20-Oct-20	30-Jul-20	20-Oct-20	28-Oct-20	19-Jan-21	62.0d																										
HRH.MPS.3040	PV Sub-systemc (Batch 2) : Develop the detailed Job Plans (Assume 85% Asset Group Job Plans)	44.0d	0%	30-Jul-20	30-Sep-20	30-Jul-20	30-Sep-20	28-Oct-20	29-Dec-20	62.0d																										
HRH.MPS.3050	PV Sub-systemc (Batch 2) : Review of Job Plans by HRH	6.0d	0%	01-Oct-20	08-Oct-20	01-Oct-20	08-Oct-20	30-Dec-20	07-Jan-21	62.0d																										
HRH.MPS.3060	PV Sub-systemc (Batch 2) : Incorporate HRH comments (if any) and ready for submission of updated Job Plans	6.0d	0%	09-Oct-20	19-Oct-20	09-Oct-20	19-Oct-20	08-Jan-21	15-Jan-21	62.0d																										
HRH.MPS.3070	PV Sub-systemc (Batch 2) : Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0%	20-Oct-20	20-Oct-20	20-Oct-20	20-Oct-20	19-Jan-21	19-Jan-21	62.0d																										
MSP- Job Plans for Depot Equipment Subsystem (x 63 Ass et Group Job Plans)		92.0d		01-Jun-20	08-Oct-20	01-Jun-20	08-Oct-20	15-Jul-20	19-Jan-21	69.0d																										
Batch 1 - DE		41.0d		01-Jun-20	28-Jul-20	01-Jun-20	28-Jul-20	15-Jul-20	19-Jan-21	120.0d																										
HRH.MPS.4000	DE Sub-systemc (Batch 1) : Develop the detailed Job Plans (Assume 45% Asset Group Job Plans)	30.0d	0%	01-Jun-20	13-Jul-20	01-Jun-20	13-Jul-20	15-Jul-20	25-Aug-20	31.0d																										
HRH.MPS.4010	DE Sub-systemc (Batch 1) : Review of Job Plans by HRH	5.0d	0%	14-Jul-20	20-Jul-20	14-Jul-20	20-Jul-20	04-Jan-21	08-Jan-21	120.0d																										
HRH.MPS.4020	DE Sub-systemc (Batch 1) : Incorporate HRH comments (if any) and submit updated Job Plans	5.0d	0%	21-Jul-20	27-Jul-20	21-Jul-20	27-Jul-20	11-Jan-21	15-Jan-21	120.0d																										
HRH.MPS.4030	DE Sub-systemc (Batch 1) : Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0%	28-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20	19-Jan-21	19-Jan-21	120.0d																										
Batch 2 - DE		50.0d		30-Jul-20	08-Oct-20	30-Jul-20	08-Oct-20	14-Sep-20	19-Jan-21	69.0d																										
HRH.MPS.4040	DE Sub-systemc (Batch 2) : Develop the detailed Job Plans (Assume 55% Asset Group Job Plans)	37.0d	0%	30-Jul-20	21-Sep-20	30-Jul-20	21-Sep-20	14-Sep-20	04-Nov-20	31.0d																										

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART)				APPENDIX 1 : Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version)																									
				ALL ACTIVITY LAYOUT																									
Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Remaining Early Start	Remaining Early Finish	Remaining Late Start	Remaining Late Finish	Total Float	Q		Q		Q		Q		Q		Q		Q		Q		Q		
											M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S
HRH.MPS.6030	COMM. Sub-systemc (Batch 1) : Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0%	07-Aug-20	07-Aug-20	07-Aug-20	07-Aug-20	19-Jan-21	19-Jan-21	112.0d																			
Batch 2 - COMM.		30.0d		22-Oct-20	04-Dec-20	22-Oct-20	04-Dec-20	08-Dec-20	19-Jan-21	31.0d																			
HRH.MPS.6040	COMM. Sub-systemc (Batch 2) : Develop the detailed Job Plans (Assume 85% Asset Group Job Plans)	17.0d	0%	22-Oct-20	16-Nov-20	22-Oct-20	16-Nov-20	08-Dec-20	29-Dec-20	31.0d																			
HRH.MPS.6050	COMM. Sub-systemc (Batch 2) : Review of Job Plans by HRH	6.0d	0%	17-Nov-20	24-Nov-20	17-Nov-20	24-Nov-20	30-Dec-20	07-Jan-21	31.0d																			
HRH.MPS.6060	COMM. Sub-systemc (Batch 2) : Incorporate HRH comments (if any) and ready for submission of updated Job Plans	6.0d	0%	25-Nov-20	03-Dec-20	25-Nov-20	03-Dec-20	08-Jan-21	15-Jan-21	31.0d																			
HRH.MPS.6070	COMM. Sub-systemc (Batch 2) : Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0%	04-Dec-20	04-Dec-20	04-Dec-20	04-Dec-20	19-Jan-21	19-Jan-21	31.0d																			
MSP- Job Plans for Tracks and Third Rail Communication Subsystem (x 20 Asset Group Job Plans)		74.0d		16-Jun-20	29-Sep-20	16-Jun-20	29-Sep-20	18-Sep-20	19-Jan-21	76.0d																			
Batch 1 - TTRS		18.0d		16-Jun-20	10-Jul-20	16-Jun-20	10-Jul-20	18-Sep-20	19-Jan-21	132.0d																			
HRH.MPS.7000	TTRS Sub-systemc (Batch 1) : Develop the detailed Job Plans (Assume 15% Asset Group Job Plans)	9.0d	0%	16-Jun-20	26-Jun-20	16-Jun-20	26-Jun-20	18-Sep-20	30-Sep-20	66.0d																			
HRH.MPS.7010	TTRS Sub-systemc (Batch 1) : Review of Job Plans by HRH	4.0d	0%	29-Jun-20	02-Jul-20	29-Jun-20	02-Jul-20	06-Jan-21	11-Jan-21	132.0d																			
HRH.MPS.7020	TTRS Sub-systemc (Batch 1) : Incorporate HRH comments (if any) and submit updated Job Plans	4.0d	0%	06-Jul-20	09-Jul-20	06-Jul-20	09-Jul-20	12-Jan-21	15-Jan-21	132.0d																			
HRH.MPS.7030	TTRS Sub-systemc (Batch 1) : Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0%	10-Jul-20	10-Jul-20	10-Jul-20	10-Jul-20	19-Jan-21	19-Jan-21	132.0d																			
Batch 2 - TTRS		65.0d		29-Jun-20	29-Sep-20	29-Jun-20	29-Sep-20	16-Oct-20	19-Jan-21	76.0d																			
HRH.MPS.7040	TTRS Sub-systemc (Batch 2) : Develop the detailed Job Plans (Assume 85% Asset Group Job Plans)	52.0d	0%	29-Jun-20	10-Sep-20	29-Jun-20	10-Sep-20	16-Oct-20	29-Dec-20	76.0d																			
HRH.MPS.7050	TTRS Sub-systemc (Batch 2) : Review of Job Plans by HRH	6.0d	0%	11-Sep-20	18-Sep-20	11-Sep-20	18-Sep-20	30-Dec-20	07-Jan-21	76.0d																			
HRH.MPS.7060	TTRS Sub-systemc (Batch 2) : Incorporate HRH comments (if any) and ready for submission of updated Job Plans	6.0d	0%	21-Sep-20	28-Sep-20	21-Sep-20	28-Sep-20	08-Jan-21	15-Jan-21	76.0d																			
HRH.MPS.7070	TTRS Sub-systemc (Batch 2) : Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0%	29-Sep-20	29-Sep-20	29-Sep-20	29-Sep-20	19-Jan-21	19-Jan-21	76.0d																			
MSP- Job Plans for On-Track Equipment Subsystem (x 44 Asset Group Job Plans)		113.0d		18-May-20	27-Oct-20	18-May-20	27-Oct-20	29-May-20	19-Jan-21	57.0d																			
Batch 1- OTE		50.0d		18-May-20	28-Jul-20	18-May-20	28-Jul-20	29-May-20	19-Jan-21	120.0d																			
HRH.MPS.8000	OTE Sub-systemc (Batch 1) : Develop the detailed Job Plans (Assume 70% Asset Group Job Plans)	39.0d	0%	18-May-20	13-Jul-20	18-May-20	13-Jul-20	29-May-20	23-Jul-20	8.0d																			
HRH.MPS.8010	OTE Sub-systemc (Batch 1) : Review of Job Plans by HRH	5.0d	0%	14-Jul-20	20-Jul-20	14-Jul-20	20-Jul-20	04-Jan-21	08-Jan-21	120.0d																			
HRH.MPS.8020	OTE Sub-systemc (Batch 1) : Incorporate HRH comments (if any) and submit updated Job Plans	5.0d	0%	21-Jul-20	27-Jul-20	21-Jul-20	27-Jul-20	11-Jan-21	15-Jan-21	120.0d																			
HRH.MPS.8030	OTE Sub-systemc (Batch 1) : Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0%	28-Jul-20	28-Jul-20	28-Jul-20	28-Jul-20	19-Jan-21	19-Jan-21	120.0d																			
Batch 2 - OTE		30.0d		15-Sep-20	27-Oct-20	15-Sep-20	27-Oct-20	25-Sep-20	19-Jan-21	57.0d																			
HRH.MPS.8040	OTE Sub-systemc (Batch 2) : Develop the detailed Job Plans (Assume 30% Asset Group Job Plans)	17.0d	0%	15-Sep-20	07-Oct-20	15-Sep-20	07-Oct-20	25-Sep-20	20-Oct-20	8.0d																			
HRH.MPS.8050	OTE Sub-systemc (Batch 2) : Review of Job Plans by HRH	6.0d	0%	08-Oct-20	16-Oct-20	08-Oct-20	16-Oct-20	30-Dec-20	07-Jan-21	57.0d																			
HRH.MPS.8060	OTE Sub-systemc (Batch 2) : Incorporate HRH comments (if any) and ready for submission of updated Job Plans	6.0d	0%	19-Oct-20	26-Oct-20	19-Oct-20	26-Oct-20	08-Jan-21	15-Jan-21	57.0d																			
HRH.MPS.8070	OTE Sub-systemc (Batch 2) : Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0%	27-Oct-20	27-Oct-20	27-Oct-20	27-Oct-20	19-Jan-21	19-Jan-21	57.0d																			
MSP- Job Plans for Facilities Management (x 140 Asset Group Job Plans)		123.0d		14-Jul-20	06-Jan-21	14-Jul-20	06-Jan-21	24-Jul-20	19-Jan-21	8.0d																			
Batch 1 - FM		55.0d		14-Jul-20	29-Sep-20	14-Jul-20	29-Sep-20	24-Jul-20	19-Jan-21	76.0d																			
HRH.MPS.9000	FM Sub-systemc (Batch 1) : Develop the detailed Job Plans (Assume 45% Asset Group Job Plans)	44.0d	0%	14-Jul-20	14-Sep-20	14-Jul-20	14-Sep-20	24-Jul-20	24-Sep-20	8.0d																			
HRH.MPS.9010	FM Sub-systemc (Batch 1) : Review of Job Plans by HRH	5.0d	0%	15-Sep-20	21-Sep-20	15-Sep-20	21-Sep-20	04-Jan-21	08-Jan-21	76.0d																			
HRH.MPS.9020	FM Sub-systemc (Batch 1) : Incorporate HRH comments (if any) and submit updated Job Plans	5.0d	0%	22-Sep-20	28-Sep-20	22-Sep-20	28-Sep-20	11-Jan-21	15-Jan-21	76.0d																			
HRH.MPS.9030	FM Sub-systemc (Batch 1) : Accepted by HRH and ready to use for MMIS Data Input in MAXIMO	1.0d	0%	29-Sep-20	29-Sep-20	29-Sep-20	29-Sep-20	19-Jan-21	19-Jan-21	76.0d																			
Batch 2 - FM		62.0d		08-Oct-20	06-Jan-21	08-Oct-20	06-Jan-21	21-Oct-20	19-Jan-21	8.0d																			
HRH.MPS.9040	FM Sub-systemc (Batch 2) : Develop the detailed Job Plans (Assume 55% Asset Group Job Plans)	51.0d	0%	08-Oct-20																									

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART)				APPENDIX 1 : Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version)																																				
				ALL ACTIVITY LAYOUT																																				
Activity ID		Activity Name		Original Duration	Activity % Complete	Start	Finish	Remaining Early Start	Remaining Early Finish	Remaining Late Start	Remaining Late Finish	Total Float																												
													M A M J Jul A S O N D J F M A M J Jul A S O N D J F M A M																											
PTW Documentation				40.0d		01-Jul-20	26-Aug-20	01-Jul-20	26-Aug-20	06-Jul-20	11-Sep-20	11.0d																												
S1PC05031000		Conduct Workshops to discuss and agree with the HRH (D&B),FM Infra. Access PTW Procedure and Practice		20.0d	0%	01-Jul-20	29-Jul-20	01-Jul-20	29-Jul-20	06-Jul-20	31-Jul-20	2.0d																												
S1PC05031020		Jointly Agree on the implementation of Protection Procedure and relevant Work Instructions		20.0d	0%	30-Jul-20	26-Aug-20	30-Jul-20	26-Aug-20	03-Aug-20	28-Aug-20	2.0d																												
S1PC05031030		Prepare PTW Procedure, Approved Walking Routes, Infrastructure Access Planning procedure and relevant WI (prior to TR)		20.0d	0%	30-Jul-20	26-Aug-20	30-Jul-20	26-Aug-20	14-Aug-20	11-Sep-20	11.0d																												
PTW System Implementaion				50.0d		27-Aug-20	06-Nov-20	27-Aug-20	06-Nov-20	31-Aug-20	10-Nov-20	2.0d																												
S1PC05031010		Discuss, agreed and Set-up PTW & Access Control System for operational railways		25.0d	0%	27-Aug-20	01-Oct-20	27-Aug-20	01-Oct-20	31-Aug-20	05-Oct-20	2.0d																												
S1PC05031040		Arrangements for PTW, including staff assignment and implementation (prior to rule book change over from TR Phase)		25.0d	0%	02-Oct-20	06-Nov-20	02-Oct-20	06-Nov-20	06-Oct-20	10-Nov-20	2.0d																												
PTW Training Roll-Out				74.0d		30-Jul-20	13-Nov-20	30-Jul-20	13-Nov-20	14-Aug-20	17-Nov-20	2.0d																												
S1PC05031050		Frameout O&M Contractor System wide and Line Side PTW requirements		20.0d	0%	30-Jul-20	26-Aug-20	30-Jul-20	26-Aug-20	14-Aug-20	11-Sep-20	11.0d																												
S1PC05031060		Prepare PTW Training Material		20.0d	0%	27-Aug-20	24-Sep-20	27-Aug-20	24-Sep-20	14-Sep-20	09-Oct-20	11.0d																												
S1PC05031070		System wide PTW Training material		20.0d	0%	27-Aug-20	24-Sep-20	27-Aug-20	24-Sep-20	14-Sep-20	09-Oct-20	11.0d																												
S1PC05031080		System wide PTW Training for all O&M Staff (to participate in TR-Test Cases)		25.0d	0%	08-Oct-20	13-Nov-20	08-Oct-20	13-Nov-20	13-Oct-20	17-Nov-20	2.0d																												
Asset Handover				85.0d		01-Jul-20	30-Oct-20	01-Jul-20	30-Oct-20	09-Jul-20	06-Nov-20	5.0d																												
Process of Handover of Work Assets				40.0d		01-Jul-20	26-Aug-20	01-Jul-20	26-Aug-20	09-Jul-20	01-Oct-20	25.0d																												
S1PC05041000		Establish the process of - Transfer of Asset from the D&B Contractor to Employer		40.0d	0%	01-Jul-20	26-Aug-20	01-Jul-20	26-Aug-20	09-Jul-20	02-Sep-20	5.0d																												
S1PC05041010		Establish the process of - Transfer of Asset from the Employer to O&M Contractor		40.0d	0%	01-Jul-20	26-Aug-20	01-Jul-20	26-Aug-20	06-Aug-20	01-Oct-20	25.0d																												
Develop Acceptance Processes				60.0d		24-Sep-20	01-Oct-20	24-Sep-20	09-Jul-20	01-Oct-20	01-Oct-20	5.0d																												
S1PC05041020		DesignAcceptance		30.0d	0%	01-Jul-20	12-Aug-20	01-Jul-20	12-Aug-20	09-Jul-20	19-Aug-20	5.0d																												
S1PC05041030		T&CAcceptance		30.0d	0%	01-Jul-20	12-Aug-20	01-Jul-20	12-Aug-20	09-Jul-20	19-Aug-20	5.0d																												
S1PC05041080		Preliminary HO acceptance		30.0d	0%	13-Aug-20	24-Sep-20	13-Aug-20	24-Sep-20	20-Aug-20	01-Oct-20	5.0d																												
S1PC05041090		Final HO acceptance		30.0d	0%	13-Aug-20	24-Sep-20	13-Aug-20	24-Sep-20	20-Aug-20	01-Oct-20	5.0d																												
Inspection and Asset e valuation Process				65.0d		01-Jul-20	01-Oct-20	01-Jul-20	01-Oct-20	09-Jul-20	08-Oct-20	5.0d																												
S1PC05041040		Appoint Handover Project Manager and deploy support team		10.0d	0%	01-Jul-20	15-Jul-20	01-Jul-20	15-Jul-20	09-Jul-20	22-Jul-20	5.0d																												
S1PC05041070		Inspection and Asset Evaluation Roles		30.0d	0%	16-Jul-20	26-Aug-20	16-Jul-20	26-Aug-20	23-Jul-20	02-Sep-20	5.0d																												
S1PC05041100		Inspection and Asset Evaluation Workflow		25.0d	0%	27-Aug-20	01-Oct-20	27-Aug-20	01-Oct-20	03-Sep-20	08-Oct-20	5.0d																												
Punch-list and Warranty Managem nt				60.0d		01-Jul-20	24-Sep-20	01-Jul-20	24-Sep-20	09-Jul-20	01-Oct-20	5.0d																												
S1PC05041050		Punch list Management		60.0d	0%	01-Jul-20	24-Sep-20	01-Jul-20	24-Sep-20	09-Jul-20	01-Oct-20	5.0d																												
S1PC05041060		Waranty Managemnt		60.0d	0%	01-Jul-20	24-Sep-20	01-Jul-20	24-Sep-20	09-Jul-20	01-Oct-20	5.0d																												
Pilot Handover (Any One Station)				25.0d		25-Sep-20	30-Oct-20	25-Sep-20	30-Oct-20	02-Oct-20	06-Nov-20	5.0d																												
S1PC05041110		Desktop Handover - Review & Agree the req. document list received for Pilot Handover Station		5.0d	0%	25-Sep-20	01-Oct-20	25-Sep-20	01-Oct-20	02-Oct-20	08-Oct-20	5.0d																												
S1PC05041120		Detailed Inspection by relevant HRH Maintenance Team (inside Pilot Station)		5.0d	0%	02-Oct-20	08-Oct-20	02-Oct-20	08-Oct-20	09-Oct-20	16-Oct-20	5.0d																												
S1PC05041130		Pre Handover Report		5.0d	0%	09-Oct-20	16-Oct-20	09-Oct-20	16-Oct-20	19-Oct-20	23-Oct-20	5.0d																												
S1PC05041140		Site Handover (Punch List Review, spare parts & tools stock taking & keys handover)		5.0d	0%	19-Oct-20	23-Oct-20	19-Oct-20	23-Oct-20	26-Oct-20	30-Oct-20	5.0d																												
S1PC05041150		Final Handover Report for PILOT STATION (IO-1)		5.0d	0%	26-Oct-20	30-Oct-20	26-Oct-20	30-Oct-20	02-Nov-20	06-Nov-20	5.0d																												
Core Systems Contract (CSC) Readiness				94.0d		01-Jul-20	13-Nov-20	01-Jul-20	13-Nov-20	06-Jul-20	17-Nov-20	2.0d																												
Communications (COM)				85.0d		15-Jul-20	13-Nov-20	15-Jul-20	13-Nov-20	17-Jul-20	17-Nov-20	2.0d																												
Site Visits, Ident. of Work Defects & Non-Compliance				85.0d		15-Jul-20	13-Nov-20	15-Jul-20	13-Nov-20	17-Jul-20	17-Nov-20	2.0d																												
S1PC05051000		COM - Site Visits for Due Diligence		40.0d	0%	15-Jul-20	09-Sep-20	15-Jul-20	09-Sep-20	17-Jul-20	11-Sep-20	2.0d																												
S1PC05051010		COM - Identification of defects & Non-Compliance at System /Sub-System level		40.0d	0%	15-Jul-20	09-Sep-20	15-Jul-20	09-Sep-20	17-Jul-20	11-Sep-20	2.0d																												
S1PC05051020		COM - Categorization of defects		20.0d	0%	10-Sep-20	07-Oct-20	10-Sep-20	07-Oct-20	14-Sep-20	09-Oct-20	2.0d																												
S1PC05051030		COM - Liaise with D&B Contractor (HRH) for Work Rectifications		25.0d	0%	08-Oct-20	13-Nov-20	08-Oct-20	13-Nov-20	13-Oct-20	17-Nov-20	2.0d																												
S1PC05051040		COM - Update punch list register		25.0d	0%	08-Oct-20	13-Nov-20	08-Oct-20	13-Nov-20	13-Oct-20	17-Nov-20	2.0d																												
Validation of Manpower/Tools & Spares				45.0d		10-Sep-20	13-Nov-20	10-Sep-20	13-Nov-20	14-Sep-20	17-Nov-20	2.0d																												
S1PC05051050		COM - Revalidation of manpower requirement based on maintenance plan ,periodicity and shift scheduling		20.0d	0%	10-Sep-20	07-Oct-20	10-Sep-20	07-Oct-20	14-Sep-20	09-Oct-20	2.0d																												
S1PC05051060		COM - Validation of spares, special tools & consumables		25.0d	0%	08-Oct-20	13-Nov-20	08-Oct-20	13-Nov-20	13-Oct-20	17-Nov-20	2.0d																												
Signalling (SIG)				40.0d		15-Sep-20	10-Nov-20	15-Sep-20	10-Nov-20	21-Sep-20	17-Nov-20	4.0d																												
Site Visits, Ident. of Work Defects & Non-Compliance				25.0d		15-Sep-20	20-Oct-20	15-Sep-20	20-Oct-20	21-Sep-20	17-Nov-20	19.0d																												
S1PC05051070		SIG - Site Visits for Due Diligence		20.0d	0%	15-Sep-20	13-Oct-20	15-Sep-20	13-Oct-20	21-Sep-20	19-Oct-20	4.0d																												
S1PC05051080		SIG - Identification of defects & Non-Compliance at System /Sub-System level		20.0d	0%	15-Sep-20	13-Oct-20	15-Sep-20	13-Oct-20	13-Oct-20	09-Nov-20	19.0d																												
S1PC05051090		SIG - Categorization of defects		20.0d	0%	15-Sep-20	13-Oct-20	15-Sep-20	13-Oct-20	13-Oct-20	09-Nov-20	19.0d																												
S1PC05051100		SIG - Liaise with D&B Contractor (HRH) for Work Rectifications		25.0d	0%	15-Sep-20	20-Oct-20	15-Sep-20	20-Oct-20	13-Oct-20	17-Nov-20	19.0d																												
S1PC05051110		SIG - Update punch list register		25.0d	0%	15-Sep-20	20-Oct-20	15-Sep-20	20-Oct-20	13-Oct-20	17-Nov-20	19.0d																												

Remaining Work

 Critical Remaining Work

Actual Work

◆

 Milestone

◆

 summary

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 Critical Milestones

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Inspire the Next

Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Submission	Samrat	Michele
11-Jun-20	HNL - Revised Baseline (1 March 21) - HART Final Submission	Samrat	Michele
08-Jul-20	HNL - Rev.BL_ HART (1 March 21) - with revision in Trial Run	Samrat	Michele

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART)				APPENDIX 1 : Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version)																																				
				ALL ACTIVITY LAYOUT																																				
Activity ID		Activity Name		Original Duration	Activity % Complete	Start	Finish	Remaining Early Start	Remaining Early Finish	Remaining Late Start	Remaining Late Finish	Total Float																												
													M A M J Jul A S O N D J F M A M J Jul A S O N D J F M A M																											
Validation of Manpower/Tools & Spares				20.0d		14-Oct-20	10-Nov-20	14-Oct-20	10-Nov-20	20-Oct-20	17-Nov-20	4.0d																												
S1PC05051120 SIG - Revalidation of manpower requirement based on maintenance plan ,periodicity and shift scheduling				10.0d	0%	14-Oct-20	27-Oct-20	14-Oct-20	27-Oct-20	20-Oct-20	02-Nov-20	4.0d																												
S1PC05051130 SIG - Validation of spares, special tools & consumables				10.0d	0%	28-Oct-20	10-Nov-20	28-Oct-20	10-Nov-20	03-Nov-20	17-Nov-20	4.0d																												
Platform Screen Gates (PSG)				30.0d		30-Sep-20	12-Nov-20	30-Sep-20	12-Nov-20	05-Oct-20	17-Nov-20	3.0d																												
Site Visits, Ident. of Work Defects & Non-Compliance				20.0d		30-Sep-20	28-Oct-20	30-Sep-20	28-Oct-20	05-Oct-20	17-Nov-20	13.0d																												
S1PC05051140 PSD - Site Visits for Due Diligence				15.0d	0%	30-Sep-20	21-Oct-20	30-Sep-20	21-Oct-20	05-Oct-20	26-Oct-20	3.0d																												
S1PC05051150 PSD - Identification of defects & Non-Compliance at System /Sub-System level				15.0d	0%	30-Sep-20	21-Oct-20	30-Sep-20	21-Oct-20	20-Oct-20	09-Nov-20	13.0d																												
S1PC05051160 PSD - Categorization of defects				15.0d	0%	30-Sep-20	21-Oct-20	30-Sep-20	21-Oct-20	20-Oct-20	09-Nov-20	13.0d																												
S1PC05051170 PSD - Liaise with D&B Contractor (HRH) for Work Rectifications				20.0d	0%	30-Sep-20	28-Oct-20	30-Sep-20	28-Oct-20	20-Oct-20	17-Nov-20	13.0d																												
S1PC05051180 PSD - Update punch list register				20.0d	0%	30-Sep-20	28-Oct-20	30-Sep-20	28-Oct-20	20-Oct-20	17-Nov-20	13.0d																												
Validation of Manpower/Tools & Spares				15.0d		22-Oct-20	12-Nov-20	22-Oct-20	12-Nov-20	27-Oct-20	17-Nov-20	3.0d																												
S1PC05051190 PSD - Revalidation of manpower requirement based on maintenance plan ,periodicity and shift scheduling				5.0d	0%	22-Oct-20	28-Oct-20	22-Oct-20	28-Oct-20	27-Oct-20	02-Nov-20	3.0d																												
S1PC05051200 PSD - Validation of spares, special tools & consumables				10.0d	0%	29-Oct-20	12-Nov-20	29-Oct-20	12-Nov-20	03-Nov-20	17-Nov-20	3.0d																												
Rail Electrification (REL)				60.0d		17-Aug-20	10-Nov-20	17-Aug-20	10-Nov-20	21-Aug-20	17-Nov-20	4.0d																												
Site Visits, Ident. of Work Defects & Non-Compliance				40.0d		17-Aug-20	13-Oct-20	17-Aug-20	13-Oct-20	21-Aug-20	17-Nov-20	24.0d																												
S1PC05051210 REL - Site Visits for Due Diligence				30.0d	0%	17-Aug-20	28-Sep-20	17-Aug-20	28-Sep-20	21-Aug-20	02-Oct-20	4.0d																												
S1PC05051220 REL - Identification of defects & Non-Compliance at System /Sub-System level				30.0d	0%	17-Aug-20	28-Sep-20	17-Aug-20	28-Sep-20	21-Sep-20	02-Nov-20	24.0d																												
S1PC05051230 REL - Categorization of defects				30.0d	0%	17-Aug-20	28-Sep-20	17-Aug-20	28-Sep-20	21-Sep-20	02-Nov-20	24.0d																												
S1PC05051240 REL - Liaise with D&B Contractor (HRH) for Work Rectifications				40.0d	0%	17-Aug-20	13-Oct-20	17-Aug-20	13-Oct-20	21-Sep-20	17-Nov-20	24.0d																												
S1PC05051250 REL - Update punch list register				40.0d	0%	17-Aug-20	13-Oct-20	17-Aug-20	13-Oct-20	21-Sep-20	17-Nov-20	24.0d																												
Validation of Manpower/Tools & Spares				30.0d		29-Sep-20	10-Nov-20	29-Sep-20	10-Nov-20	05-Oct-20	17-Nov-20	4.0d																												
S1PC05051260 REL - Revalidation of manpower requirement based on maintenance plan ,periodicity and shift scheduling				10.0d	0%	29-Sep-20	13-Oct-20	29-Sep-20	13-Oct-20	05-Oct-20	19-Oct-20	4.0d																												
S1PC05051270 REL - Validation of spares, special tools & consumables				20.0d	0%	14-Oct-20	10-Nov-20	14-Oct-20	10-Nov-20	20-Oct-20	17-Nov-20	4.0d																												
Track (TRK)				60.0d		17-Aug-20	10-Nov-20	17-Aug-20	10-Nov-20	21-Aug-20	17-Nov-20	4.0d																												
Site Visits, Ident. of Work Defects & Non-Compliance				40.0d		17-Aug-20	13-Oct-20	17-Aug-20	13-Oct-20	21-Aug-20	17-Nov-20	24.0d																												
S1PC05051280 TRK - Site Visits for Due Diligence				30.0d	0%	17-Aug-20	28-Sep-20	17-Aug-20	28-Sep-20	21-Aug-20	02-Oct-20	4.0d																												
S1PC05051290 TRK - Identification of defects & Non-Compliance at System /Sub-System level				30.0d	0%	17-Aug-20	28-Sep-20	17-Aug-20	28-Sep-20	21-Sep-20	02-Nov-20	24.0d																												
S1PC05051300 TRK - Categorization of defects				30.0d	0%	17-Aug-20	28-Sep-20	17-Aug-20	28-Sep-20	21-Sep-20	02-Nov-20	24.0d																												
S1PC05051310 TRK - Liaise with D&B Contractor (HRH) for Work Rectifications				40.0d	0%	17-Aug-20	13-Oct-20	17-Aug-20	13-Oct-20	21-Sep-20	17-Nov-20	24.0d																												
S1PC05051320 TRK - Update punch list register				40.0d	0%	17-Aug-20	13-Oct-20	17-Aug-20	13-Oct-20	21-Sep-20	17-Nov-20	24.0d																												
Validation of Manpower/Tools & Spares				30.0d		29-Sep-20	10-Nov-20	29-Sep-20	10-Nov-20	05-Oct-20	17-Nov-20	4.0d																												
S1PC05051330 TRK - Revalidation of manpower requirement based on maintenance plan ,periodicity and shift scheduling				10.0d	0%	29-Sep-20	13-Oct-20	29-Sep-20	13-Oct-20	05-Oct-20	19-Oct-20	4.0d																												
S1PC05051340 TRK - Validation of spares, special tools & consumables				20.0d	0%	14-Oct-20	10-Nov-20	14-Oct-20	10-Nov-20	20-Oct-20	17-Nov-20	4.0d																												
Rolling Stock (RST)				94.0d		01-Jul-20	13-Nov-20	01-Jul-20	13-Nov-20	06-Jul-20	17-Nov-20	2.0d																												
Site Visits, Ident. of Work Defects & Non-Compliance				80.0d		01-Jul-20	23-Oct-20	01-Jul-20	23-Oct-20	06-Jul-20	17-Nov-20	16.0d																												
S1PC05051350 RST - Site Visits for Due Diligence				50.0d	0%	01-Jul-20	10-Sep-20	01-Jul-20	10-Sep-20	06-Jul-20	14-Sep-20	2.0d																												
S1PC05051360 RST - Identification of defects & Non-Compliance at System /Sub-System level				50.0d	0%	01-Jul-20	10-Sep-20	01-Jul-20	10-Sep-20	24-Jul-20	02-Oct-20	16.0d																												
S1PC05051370 RST - Categorization of defects				30.0d	0%	11-Sep-20	23-Oct-20	11-Sep-20	23-Oct-20	05-Oct-20	17-Nov-20	16.0d																												
S1PC05051380 RST - Liaise with D&B Contractor (HRH) for Work Rectifications				30.0d	0%	11-Sep-20	23-Oct-20	11-Sep-20	23-Oct-20	05-Oct-20	17-Nov-20	16.0d																												
S1PC05051390 RST - Update punch list register				30.0d	0%	11-Sep-20	23-Oct-20	11-Sep-20	23-Oct-20	05-Oct-20	17-Nov-20	16.0d																												
Validation of Manpower/Tools & Spares				44.0d		11-Sep-20	13-Nov-20	11-Sep-20	13-Nov-20	15-Sep-20	17-Nov-20	2.0d																												
S1PC05051400 RST - Revalidation of manpower requirement based on maintenance plan ,periodicity and shift scheduling				15.0d	0%	11-Sep-20	01-Oct-20	11-Sep-20	01-Oct-20	15-Sep-20	05-Oct-20	2.0d																												
S1PC05051410 RST - Validation of spares, special tools & consumables				29.0d	0%	02-Oct-20	13-Nov-20	02-Oct-20	13-Nov-20	06-Oct-20	17-Nov-20	2.0d																												
Depot Workshop Equipments (DWE)				60.0d		17-Aug-20	10-Nov-20	17-Aug-20	10-Nov-20	21-Aug-20	17-Nov-20	4.0d																												
Site Visits, Ident. of Work Defects & Non-Compliance				40.0d		17-Aug-20	13-Oct-20	17-Aug-20	13-Oct-20	21-Aug-20	17-Nov-20	24.0d																												
S1PC05051420 DWE - Site Visits for Due Diligence				30.0d	0%	17-Aug-20	28-Sep-20	17-Aug-20	28-Sep-20	21-Aug-20	02-Oct-20	4.0d																												
S1PC05051430 DWE - Identification of defects & Non-Compliance at System /Sub-System level				30.0d	0%	17-Aug-20	28-Sep-20	17-Aug-20	28-Sep-20	21-Sep-20	02-Nov-20	24.0d																												
S1PC05051440 DWE - Categorization of defects				30.0d	0%	17-Aug-20	28-Sep-20	17-Aug-20	28-Sep-20	21-Sep-20	02-Nov-20	24.0d																												
S1PC05051450 DWE - Liaise with D&B Contractor (HRH) for Work Rectifications				40.0d	0%	17-Aug-20	13-Oct-20	17-Aug-20	13-Oct-20	21-Sep-20	17-Nov-20	24.0d																												
S1PC05051460 DWE - Update punch list register				40.0d	0%	17-Aug-20	13-Oct-20	17-Aug-20	13-Oct-20	21-Sep-20	17-Nov-20	24.0d																												
Validation of Manpower/Tools & Spares				30.0d		29-Sep-20	10-Nov-20	29-Sep-20	10-Nov-20	05-Oct-20	17-Nov-20	4.0d																												
S1PC05051470 DWE - Revalidation of manpower requirement based on maintenance plan ,periodicity and shift scheduling				10.0d	0%	29-Sep-20	13-Oct-20	29-Sep-20	13-Oct-20	05-Oct-20	19-Oct-20	4.0d																												

Remaining Work

 Critical Remaining Work

Actual Work

◆

 Milestone

◆

 summary

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 Critical Milestones

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HITACHI









































Inspire the Next































Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Submission	Samrat	Michele
11-Jun-20	HNL - Revised Baseline (1 March 21) - HART Final Submission	Samrat	Michele
08-Jul-20	HNL - Rev.BL_ HART (1 March 21) - with revision in Trial Run	Samrat	Michele

 Remaining Work   Milestone
 Critical Remaining Work  summary
 Actual Work   Critical Milestones

Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Submission	Samrat	Michele
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08-Jul-20	HNL - Rev.BL_HART(1 March 21) - with revision in Trial Run	Samrat	Michele

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Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART)			APPENDIX 1 : Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version)										ALL ACTIVITY LAYOUT																													
Activity ID		Activity Name	Original Duration	Activity % Complete	Start	Finish	Remaining Early Start	Remaining Early Finish	Remaining Late Start	Remaining Late Finish	Total Float																															
		 S1PC06011440	SILVER: Incorporate comments and update the draft WI	11.0d	100%	17-Jul-19 A	31-Jul-19 A																																			
		 S1PC06011450	SILVER: Submission of all the OCC WI to HART	1.0d	100%	01-Aug-19 A	01-Aug-19 A																																			
		 S1PC06011480	SILVER: Review by HART, issue final comment sheet	20.0d	100%	02-Aug-19 A	29-Aug-19 A																																			
		 WI= Gold		198.0d		30-Aug-19 A	14-Apr-20 A																																			
		 S1PC06011460	GOLD: Holds discussion, incorporate comments and finalise/complete the OCC WI (part of GOLD Submission)	40.0d	100%	30-Aug-19 A	13-Apr-20 A																																			
		 S1PC06011470	GOLD: Final Doc check and submit all the OCC WI for Fomal Approval	2.0d	100%	14-Apr-20 A	14-Apr-20 A																																			
		 Setting up Staff Rostering and Workforce Management System		82.0d		27-Aug-20	22-Dec-20	27-Aug-20	22-Dec-20	03-Sep-20	19-Jan-21	17.0d																														
		 S1PC06021000	Set up basis and working rules for Staff Rostering	22.0d	0%	27-Aug-20	28-Sep-20	27-Aug-20	28-Sep-20	03-Sep-20	05-Oct-20	5.0d																														
		 S1PC06021010	Train Rostering staff on WorkForce Management System and Draft Initial Roster for Trial Run	10.0d	0%	01-Oct-20	15-Oct-20	01-Oct-20	15-Oct-20	06-Oct-20	20-Oct-20	3.0d																														
		 S1PC06021020	Check rosters are aligned to the "Roster Rules"	3.0d	0%	16-Oct-20	20-Oct-20	16-Oct-20	20-Oct-20	21-Oct-20	23-Oct-20	3.0d																														
		 S1PC06021030	Create Event and Disruption Rosters, participate in discussion and workshops	10.0d	0%	21-Oct-20	03-Nov-20	21-Oct-20	03-Nov-20	26-Oct-20	06-Nov-20	3.0d																														
		 S1PC06021040	Finalise the rosters and agree these with the Employer	15.0d	0%	04-Nov-20	25-Nov-20	04-Nov-20	25-Nov-20	01-Dec-20	19-Dec-20	17.0d																														
		 S1PC06021050	Put in place 'Roster Change Governance'	10.0d	0%	27-Nov-20	10-Dec-20	27-Nov-20	10-Dec-20	20-Dec-20	04-Jan-21	17.0d																														
		 S1PC06021060	Train and guide Line Managers in procedure for managing rosters locally and recording working hours	10.0d	0%	11-Dec-20	22-Dec-20	11-Dec-20	22-Dec-20	05-Jan-21	19-Jan-21	17.0d																														
		 Train Timetabling		88.0d		01-Oct-20	05-Feb-21	01-Oct-20	05-Feb-21	15-Oct-20	26-Feb-21	14.0d																														
		 S1PC06031000	Development of First Working Train Timetable	20.0d	0%	01-Oct-20	29-Oct-20	01-Oct-20	29-Oct-20	15-Oct-20	12-Nov-20	9.0d																														
		 S1PC06031010	Consultation with various Transport Stakeholder and HART (joint workshops, reviews & feedback recording)	15.0d	0%	30-Oct-20	20-Nov-20	30-Oct-20	20-Nov-20	13-Nov-20	04-Dec-20	9.0d																														
		 S1PC06031020	Refinement of Initial Timetable (for Multi-agency Exercise during Trial Run)	10.0d	0%	23-Nov-20	07-Dec-20	23-Nov-20	07-Dec-20	07-Dec-20	18-Dec-20	9.0d																														
		 S1PC06031030	Submission of Initial Timetable for acceptance	1.0d	0%	08-Dec-20	08-Dec-20	08-Dec-20	08-Dec-20	19-Dec-20	19-Dec-20	9.0d																														
		 S1PC06031040	Testing of Timetable (during SSA- RAMS Demo.)	20.0d	0%	09-Dec-20	05-Jan-21	09-Dec-20	05-Jan-21	20-Dec-20	19-Jan-21	9.0d																														
		 S1PC06031050	Final Timetable Submission (for Revenue Service)	10.0d	0%	06-Jan-21	20-Jan-21	06-Jan-21	20-Jan-21	27-Jan-21	09-Feb-21	14.0d																														
		 S1PC06031060	Testing of RS Timetable and public announcement for Implementation of final timetable Segment 1- Line Opening	12.0d	0%	21-Jan-21	05-Feb-21	21-Jan-21	05-Feb-21	10-Feb-21	26-Feb-21	14.0d																														
		 Stakeholder Management		299.0d		03-Feb-20 A	26-Feb-21	01-May-20	26-Feb-21	01-May-20	26-Feb-21	0.0d																														
		 Technical Deliverables		170.0d		03-Feb-20 A	01-Oct-20	01-May-20	01-Oct-20	26-Jun-20	19-Dec-20	54.0d																														
		 Stakeholder Management Plan		40.0d		03-Feb-20 A	04-May-20	01-May-20	04-May-20	26-Jun-20	29-Jun-20	39.0d																														
		 PL= Bronze		20.0d		03-Feb-20 A	27-Feb-20 A																																			
		 S1PC07011000	BRONZE: Draft Submission of the SM Plan	20.0d	100%	03-Feb-20 A	12-Feb-20 A																																			
		 S1PC07011010	BRONZE: First Review by HRH and issue comment sheet on draft plans	10.0d	100%	13-Feb-20 A	27-Feb-20 A																																			
		 PL= Silver		40.0d		28-Feb-20 A	22-Apr-20 A																																			
		 S1PC07011020	SILVER: Incorporate comments and update the draft plan	40.0d	100%	28-Feb-20 A	30-Mar-20 A																																			
		 S1PC07011030	SILVER: Submission of the Plan to HART	1.0d	100%	31-Mar-20 A	31-Mar-20 A																																			
		 S1PC07011060	SILVER: Review by HART, issue final comment sheet	20.0d	100%	01-Apr-20 A	22-Apr-20 A																																			
		 PL= Gold		30.0d		23-Apr-20 A	04-May-20	01-May-20	04-May-20	26-Jun-20	29-Jun-20	39.0d																														
		 S1PC07011040	GOLD: Incorporate comments and finalise/complete the Plan (part of GOLD Submission)	30.0d	100%	23-Apr-20 A	29-Apr-20 A																																			
		 S1PC07011050	GOLD: Submission of the Stakeholder Management Plan for Fomal Approval	2.0d	95%	30-Apr-20 A	04-May-20	01-May-20	04-May-20	26-Jun-20	29-Jun-20	39.0d																														
		 Stakeholder Agreements (MoUs)		75.0d		17-Jun-20	01-Oct-20	17-Jun-20	01-Oct-20	02-Sep-20	19-Dec-20	54.0d																														
		 MOU = Bronze		30.0d		17-Jun-20	29-Jul-20	17-Jun-20	29-Jul-20	02-Sep-20	15-Oct-20	54.0d																														
		 S1PC07011070	BRONZE: Draft Submission of all the Stakeholder Agreements (MoUs) with various entities	20.0d	0%	17-Jun-20	15-Jul-20	17-Jun-20	15-Jul-20	02-Sep-20	30-Sep-20	54.0d																														
		 S1PC07011080	BRONZE: First Review by HRH and issue comment sheet on MoUs	10.0d	0%	16-Jul-20	29-Jul-20	16-Jul-20	29-Jul-20	01-Oct-20	15-Oct-20	54.0d																														
		 MOU = Silver		31.0d		30-Jul-20	11-Sep-20	30-Jul-20	11-Sep-20	16-Oct-20	01-Dec-20																															

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART)				APPENDIX 1 : Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version)																																		
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Activity ID	Activity Name		Original Duration	Activity % Complete	Start	Finish	Remaining Early Start	Remaining Early Finish	Remaining Late Start	Remaining Late Finish	Total Float	Q				Q				Q				Q				Q				Q						
												M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M
 S1PC08071010	Rolling Stock and MSF Equipments - Issue RFQ and complete Tendering / Sourcing Supplier		25.0d	0%	13-Jul-20	14-Aug-20	13-Jul-20	14-Aug-20	10-Dec-20	13-Jan-21	104.0d																											
 S1PC08071020	Rolling Stock and MSF Equipments - Subcontractor/Supplier Finalisation/Award of Contracts		30.0d	0%	17-Aug-20	28-Sep-20	17-Aug-20	28-Sep-20	14-Jan-21	26-Feb-21	104.0d																											
 ATC & System			90.0d		01-Jun-20	06-Oct-20	01-Jun-20	06-Oct-20	20-Oct-20	26-Feb-21	98.0d																											
 S1PC08081000	ATC and Systems Equipments, Services - Development of PTS (x 06 Line Items)		27.0d	0%	01-Jun-20	08-Jul-20	01-Jun-20	08-Jul-20	20-Oct-20	27-Nov-20	98.0d																											
 S1PC08081010	ATC and Systems Equipments, Services - Issue RFQ and complete Tendering / Sourcing Supplier		43.0d	0%	09-Jul-20	08-Sep-20	09-Jul-20	08-Sep-20	30-Nov-20	28-Jan-21	98.0d																											
 S1PC08081020	ATC and Systems Equipments, Services - Subcontractor/Supplier Finalisation/Award of Contracts		20.0d	0%	09-Sep-20	06-Oct-20	09-Sep-20	06-Oct-20	29-Jan-21	26-Feb-21	98.0d																											
 Traction Power			100.0d		02-Mar-20 A	29-Jul-20	01-May-20	29-Jul-20	01-Dec-20	26-Feb-21	146.0d																											
 S1PC10091000	Traction Power and Equipments, Services - Development of PTS (x 05 Line Items)		100.0d	80%	02-Mar-20 A	29-May-20	01-May-20	29-May-20	01-Dec-20	24-Dec-20	146.0d																											
 S1PC10091010	Traction Power and Equipments, Services - Issue RFQ and complete Tendering / Sourcing Supplier		22.0d	0%	01-Jun-20	30-Jun-20	01-Jun-20	30-Jun-20	28-Dec-20	28-Jan-21	146.0d																											
 S1PC10091020	Traction Power and Equipments, Services - Subcontractor/Supplier Finalisation/Award of Contracts		20.0d	0%	01-Jul-20	29-Jul-20	01-Jul-20	29-Jul-20	29-Jan-21	26-Feb-21	146.0d																											
 Information Technology (IT)			311.0d		04-Sep-19 A	13-Nov-20	01-May-20	13-Nov-20	06-May-20	26-Feb-21	72.0d																											
 IT Assessment and Gap Analysis			40.0d		04-Sep-19 A	29-Jan-20 A																																
 S1PC09011000	Conduct Workshops to to identify IT reqmt. for O&M BU Corporate Solutions (Areas are- ERP, Office Automation and LMS)		40.0d	100%	04-Sep-19 A	30-Oct-19 A																																
 S1PC09011010	Conduct Workshops to to identify IT reqmt. for Operational Solutions (Areas are- Rostering, Fleet Mgmt., Timetabling)		20.0d	100%	31-Oct-19 A	29-Nov-19 A																																
 S1PC09011020	Conduct Workshops to to identify IT reqmt. for MAXIMO Solutions (Areas are- Asset Mgmt., Maintenance and HSQE)		20.0d	100%	02-Dec-19 A	30-Dec-19 A																																
 S1PC09011030	Produce the 'Contractual and Operational IT Requirements' Report		10.0d	100%	31-Dec-19 A	14-Jan-20 A																																
 S1PC09011040	Perform a Gap Analysis against the practice standard (keeping in mind business priority and Go-Live timeline reqmt.)		10.0d	100%	15-Jan-20 A	29-Jan-20 A																																
 IT Architecture and Implementation Roadmap			20.0d		03-Feb-20 A	28-Feb-20 A																																
 S1PC09021000	Develop IT System Architecture (based on Gap Analysis undertaken and fact findings)		20.0d	100%	03-Feb-20 A	28-Feb-20 A																																
 S1PC09021010	Prepare the IT Implementation 'ROADMAP' for the project		20.0d	100%	03-Feb-20 A	28-Feb-20 A																																
 S1PC09021020	Produce the IT Budgetary Estimates to support the implementation roadmap		20.0d	100%	03-Feb-20 A	28-Feb-20 A																																
 Maximo High level (HL) Functional Design			134.0d		31-Oct-19 A	16-Mar-20 A																																
 S1PC09031000	Produce a HL Functional Design for Maximo		30.0d	100%	31-Oct-19 A	12-Feb-20 A																																
 S1PC09031010	Participate and support HRH in designing the detailed business processes (Reqd.prior to start of Maximo Implementation)		22.0d	100%	13-Feb-20 A	16-Mar-20 A																																
 Asset Handover Structure amd Data Load Templates			10.0d		17-Mar-20 A	13-Apr-20 A																																
 S1PC09041000	Develop the Assesst Handover Framework to support the asset data collection and AM Strategies reqd. for O&M		10.0d	100%	17-Mar-20 A	30-Mar-20 A																																
 S1PC09041010	Prepare the 'Data Load Templates' to collect and enter asset information		10.0d	100%	31-Mar-20 A	13-Apr-20 A																																
 ICT System Implementation			136.0d		02-Dec-19 A	13-Nov-20	01-May-20	13-Nov-20	06-May-20	26-Feb-21	72.0d																											
 EDMS (SharePoint)			107.0d		02-Dec-19 A	01-Oct-20	01-May-20	01-Oct-20	24-Sep-20	26-Feb-21	101.0d																											
 Sprint 1 (High Level Design)			20.0d		02-Dec-19 A	27-Dec-19 A																																

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Activity ID	Activity Name	Original Duration	Activity % Complete	Start	Finish	Remaining Early Start	Remaining Early Finish	Remaining Late Start	Remaining Late Finish	Total Float	Q				Q				Q				Q				Q									
											M	A	M	J	Jul	A	S	O	N	D	J	F	M	A	M	J	Jul	A	S	O	N	D	J	F	M	A
HRH.TOS.1097	Emergency Operations Mode- Perform Internal Readiness Drills for Stations, OCC and Train Staffs	6.0d	0%	11-Dec-20	18-Dec-20	11-Dec-20	18-Dec-20	20-Dec-20	28-Dec-20	7.0d																										
Delivery of Test Cases		41.0d		16-Nov-20	12-Jan-21	16-Nov-20	12-Jan-21	18-Nov-20	12-Jan-21	0.0d																										
Normal Operations - Perform Elemental Test Scenarios		11.0d		16-Nov-20	27-Nov-20	16-Nov-20	27-Nov-20	18-Nov-20	29-Nov-20	2.0d																										
HRH.TOS.1100	Perform Normal Operations Test Case Scenario: N-01 (Starting Up of Mainline Train Services)	2.0d	0%	16-Nov-20	17-Nov-20	16-Nov-20	17-Nov-20	18-Nov-20	19-Nov-20	2.0d																										
HRH.TOS.1110	Perform Normal Operations Test Case Scenario: N-02 (Mainline Train Services)	2.0d	0%	18-Nov-20	19-Nov-20	18-Nov-20	19-Nov-20	20-Nov-20	21-Nov-20	2.0d																										
HRH.TOS.1120	Perform Normal Operations Test Case Scenario: N-03 (Shutting Down of Mainline Train Services)	1.0d	0%	20-Nov-20	20-Nov-20	20-Nov-20	20-Nov-20	22-Nov-20	22-Nov-20	2.0d																										
HRH.TOS.1130	Perform Normal Operations Test Case Scenario: N-04 (Re-Test / Staff Roster & Timetable proving)	2.0d	0%	21-Nov-20	22-Nov-20	21-Nov-20	22-Nov-20	23-Nov-20	24-Nov-20	2.0d																										
HRH.TOS.1140	Perform Normal Operations Test Case Scenario: N-05 (Yard Operations)	2.0d	0%	21-Nov-20	22-Nov-20	21-Nov-20	22-Nov-20	23-Nov-20	24-Nov-20	2.0d																										
HRH.TOS.1150	Perform Normal Operations Test Case Scenario: N-06 (Station 1 - Start of Day)	1.0d	0%	23-Nov-20	23-Nov-20	23-Nov-20	23-Nov-20	25-Nov-20	25-Nov-20	2.0d																										
HRH.TOS.1160	Perform Normal Operations Test Case Scenario: N-07 (Trial Operations)	1.0d	0%	24-Nov-20	24-Nov-20	24-Nov-20	24-Nov-20	27-Nov-20	27-Nov-20	2.0d																										
HRH.TOS.1170	Perform Normal Operations Test Case Scenario: N-08 (Performance & Planning)	1.0d	0%	25-Nov-20	25-Nov-20	25-Nov-20	25-Nov-20	28-Nov-20	28-Nov-20	2.0d																										
HRH.TOS.1180	Perform Normal Operations Test Case Scenario: N-09 (Shutting Down of Station/Main Line Train Services)	1.0d	0%	27-Nov-20	27-Nov-20	27-Nov-20	27-Nov-20	29-Nov-20	29-Nov-20	2.0d																										
Contingency Plan (Response to Failure) - Perform Elemental Test Scenarios		11.0d		16-Nov-20	27-Nov-20	16-Nov-20	27-Nov-20	18-Nov-20	29-Nov-20	2.0d																										
HRH.TOS.1491	Perform Response to Failure - Contingency Plan (Alternative Ops.) Scenario No. 1 to No. 10	5.0d	0%	16-Nov-20	20-Nov-20	16-Nov-20	20-Nov-20	18-Nov-20	22-Nov-20	2.0d																										
HRH.TOS.1492	Perform Response to Failure - Contingency Plan (Alternative Ops.) Scenario No. 11 to No. 18	2.0d	0%	21-Nov-20	22-Nov-20	21-Nov-20	22-Nov-20	23-Nov-20	24-Nov-20	2.0d																										
HRH.TOS.1493	Perform Response to Failure - Contingency Plan (Alternative Ops.) Scenario No. 19 to No. 29	4.0d	0%	23-Nov-20	27-Nov-20	23-Nov-20	27-Nov-20	25-Nov-20	29-Nov-20	2.0d																										
Degraded Operations - Perform Elemental Test Scenarios		22.0d		30-Nov-20	28-Dec-20	30-Nov-20	28-Dec-20	30-Nov-20	28-Dec-20	0.0d																										
HRH.TOS.1200	Perform Degraded Operations Test Case Scenario: D-01 (Train Rescue)	3.0d	0%	30-Nov-20	02-Dec-20	30-Nov-20	02-Dec-20	30-Nov-20	02-Dec-20	0.0d																										
HRH.TOS.1210	Perform Degraded Operations Test Case Scenario: D-02 (Broken Rail)	1.0d	0%	03-Dec-20	03-Dec-20	03-Dec-20	03-Dec-20	03-Dec-20	03-Dec-20	0.0d																										
HRH.TOS.1220	Perform Degraded Operations Test Case Scenario: D-03 (Station 1 Degraded Condition)	1.0d	0%	04-Dec-20	04-Dec-20	04-Dec-20	04-Dec-20	04-Dec-20	04-Dec-20	0.0d																										
HRH.TOS.1230	Perform Degraded Operations Test Case Scenario: D-04 (Station 2 Degraded Condition)	1.0d	0%	07-Dec-20	07-Dec-20	07-Dec-20	07-Dec-20	07-Dec-20	07-Dec-20	0.0d																										
HRH.TOS.1240	Perform Degraded Operations Test Case Scenario: D-05 (Station 3 Degraded Condition)	1.0d	0%	08-Dec-20	08-Dec-20	08-Dec-20	08-Dec-20	08-Dec-20	08-Dec-20	0.0d																										
HRH.TOS.1250	Perform Degraded Operations Test Case Scenario: D-06 (Station 4 Degraded Condition)	1.0d	0%	09-Dec-20	09-Dec-20	09-Dec-20	09-Dec-20	09-Dec-20	09-Dec-20	0.0d																										
HRH.TOS.1260	Perform Degraded Operations Test Case Scenario: D-07 (Station 5 Degraded Condition)	1.0d	0%	10-Dec-20	10-Dec-20	10-Dec-20	10-Dec-20	10-Dec-20	10-Dec-20	0.0d																										
HRH.TOS.1270	Perform Degraded Operations Test Case Scenario: D-08 (System Failures 1)	1.0d	0%	11-Dec-20	11-Dec-20	11-Dec-20	11-Dec-20	11-Dec-20	11-Dec-20	0.0d																										
HRH.TOS.1280	Perform Degraded Operations Test Case Scenario: D-09 (System Failures 2)	1.0d	0%	14-Dec-20	14-Dec-20	14-Dec-20	14-Dec-20	14-Dec-20	14-Dec-20	0.0d																										
HRH.TOS.1290	Perform Degraded Operations Test Case Scenario: D-10 (System Failures 3)	1.0d	0%	14-Dec-20	14-Dec-20	14-Dec-20	14-Dec-20	14-Dec-20	14-Dec-20	0.0d																										
HRH.TOS.1300	Perform Degraded Operations Test Case Scenario: D-11 (Train Operations Faults 1)	3.0d	0%	15-Dec-20	17-Dec-20	15-Dec-20	17-Dec-20	15-Dec-20	17-Dec-20	0.0d																										
HRH.TOS.1310	Perform Degraded Operations Test Case Scenario: D-12 (Train Operations Faults 2)	3.0d	0%	18-Dec-20	20-Dec-20	18-Dec-20	20-Dec-20	18-Dec-20	20-Dec-20	0.0d																										
HRH.TOS.1320	Perform Degraded Operations Test Case Scenario: D-13 (Switch Failure)	1.0d	0%	21-Dec-20	21-Dec-20	21-Dec-20	21-Dec-20	21-Dec-20	21-Dec-20	0.0d																										
HRH.TOS.1330	Perform Degraded Operations Test Case Scenario: D-14 (Track Circuits / Microlok Failures)	1.0d	0%	22-Dec-20	22-Dec-20	22-Dec-20	22-Dec-20	22-Dec-20	22-Dec-20	0.0d																										
HRH.TOS.1340	Perform Degraded Operations Test Case Scenario: D-15 (On board System Failures)	1.0d	0%	23-Dec-20	23-Dec-20	23-Dec-20	23-Dec-20	23-Dec-20	23-Dec-20	0.0d																										
HRH.TOS.1370	Perform Degraded Operations Test Case Scenario: D-17 (Extreme Weather / Poor Adhesion)	1.0d	0%	24-Dec-20	24-Dec-20	24-Dec-20	24-Dec-20	24-Dec-20	24-Dec-20	0.0d																										
HRH.TOS.1380	Perform Degraded Operations Test Case Scenario: D-1 Scenario																																			

Honolulu Rail Transit (HRT) Project - Revised OM Mobilisation Baseline for Segment-1 (1 MAR21-HART)					APPENDIX 1 : Revised Baseline (1 March 21) - HRH EXTERNAL (HART Version)																																					
					ALL ACTIVITY LAYOUT																																					
Activity ID		Activity Name				Original Duration	Activity % Complete	Start	Finish	Remaining Early Start	Remaining Early Finish	Remaining Late Start	Remaining Late Finish	Total Float	<div><div><div><div></div><div>Q</div></div><div><div></div><div>A</div></div><div><div></div><div>M</div></div><div><div></div><div>J</div></div><div><div></div><div>Jul</div></div><div><div></div><div>A</div></div><div><div></div><div>S</div></div><div><div></div><div>O</div></div><div><div></div><div>N</div></div><div><div></div><div>D</div></div><div><div></div><div>J</div></div><div><div></div><div>F</div></div><div><div></div><div>M</div></div><div><div></div><div>A</div></div><div><div></div><div>M</div></div><div><div></div><div>J</div></div><div><div></div><div>Jul</div></div><div><div></div><div>A</div></div><div><div></div><div>S</div></div><div><div></div><div>O</div></div><div><div></div><div>N</div></div><div><div></div><div>D</div></div><div><div></div><div>J</div></div><div><div></div><div>F</div></div><div><div></div><div>M</div></div><div><div></div><div>A</div></div><div><div></div><div>M</div></div></div></div>																											
		Preparation and Submission of Test Reports				68.0d		20-Nov-20	26-Feb-21	20-Nov-20	26-Feb-21	01-Feb-21	26-Feb-21	0.0d																												
		Normal Operation - Test Case Reports				7.0d		20-Nov-20	01-Dec-20	20-Nov-20	01-Dec-20	01-Feb-21	26-Feb-21	61.0d																												
		HRH.TOS.1600 Week 1 - Test Case Scenarios : Report Compiling and Submission (Normal Operations)				2.0d	0%	20-Nov-20	23-Nov-20	20-Nov-20	23-Nov-20	25-Feb-21	26-Feb-21	66.0d																												
		HRH.TOS.1605 Week 2 - Test Case Scenarios : Report Compiling and Submission (Normal Operations)				2.0d	0%	23-Nov-20	24-Nov-20	23-Nov-20	24-Nov-20	25-Feb-21	26-Feb-21	65.0d																												
		HRH.TOS.1610 Week 3 - Test Case Scenarios : Report Compiling and Submission (Normal Operations)				2.0d	0%	30-Nov-20	01-Dec-20	30-Nov-20	01-Dec-20	01-Feb-21	02-Feb-21	44.0d																												
		Response to Failures (Contingency Plan) - Test Case Reports				6.0d		23-Nov-20	01-Dec-20	23-Nov-20	01-Dec-20	01-Feb-21	26-Feb-21	61.0d																												
		HRH.TOS.1650 Week 4 - Test Case Scenarios : Report Compiling and Submission (RTF/Contingency Plan)				2.0d	0%	23-Nov-20	24-Nov-20	23-Nov-20	24-Nov-20	25-Feb-21	26-Feb-21	65.0d																												
		HRH.TOS.1655 Week 5 - Test Case Scenarios : Report Compiling and Submission (RTF/Contingency Plan)				2.0d	0%	30-Nov-20	01-Dec-20	30-Nov-20	01-Dec-20	25-Feb-21	26-Feb-21	61.0d																												
		HRH.TOS.1660 Week 6 - Test Case Scenarios : Report Compiling and Submission (RTF/Contingency Plan)				2.0d	0%	30-Nov-20	01-Dec-20	30-Nov-20	01-Dec-20	01-Feb-21	02-Feb-21	44.0d																												
		Degraded Operations - Test Case Reports				19.0d		04-Dec-20	29-Dec-20	04-Dec-20	29-Dec-20	01-Feb-21	26-Feb-21	40.0d																												
		HRH.TOS.1615 Week 5 - Test Case Scenarios : Report Compiling and Submission (Degraded Operations)				2.0d	0%	04-Dec-20	07-Dec-20	04-Dec-20	07-Dec-20	25-Feb-21	26-Feb-21	57.0d																												
		HRH.TOS.1620 Week 6 - Test Case Scenarios : Report Compiling and Submission (Degraded Operations)				2.0d	0%	11-Dec-20	14-Dec-20	11-Dec-20	14-Dec-20	25-Feb-21	26-Feb-21	52.0d																												
		HRH.TOS.1625 Week 7 - Test Case Scenarios : Report Compiling and Submission (Degraded Operations)				2.0d	0%	18-Dec-20	19-Dec-20	18-Dec-20	19-Dec-20	25-Feb-21	26-Feb-21	47.0d																												
		HRH.TOS.1630 Week 8 - Test Case Scenarios : Report Compiling and Submission (Degraded Operations)				2.0d	0%	22-Dec-20	23-Dec-20	22-Dec-20	23-Dec-20	25-Feb-21	26-Feb-21	43.0d																												
		HRH.TOS.1635 Week 9 - Test Case Scenarios : Report Compiling and Submission (Degraded Operations)				2.0d	0%	28-Dec-20	29-Dec-20	28-Dec-20	29-Dec-20	01-Feb-21	02-Feb-21	23.0d																												
		Emergency Operations - Test Case Reports				7.0d		06-Jan-21	14-Jan-21	06-Jan-21	14-Jan-21	01-Feb-21	26-Feb-21	29.0d																												
		HRH.TOS.1640 Week 10 - Test Case Scenarios : Report Compiling and Submission (Emergency Operations)				2.0d	0%	06-Jan-21	07-Jan-21	06-Jan-21	07-Jan-21	25-Feb-21	26-Feb-21	34.0d																												
		HRH.TOS.1645 Week 11 - Test Case Scenarios : Report Compiling and Submission (Emergency Operations)				2.0d	0%	13-Jan-21	14-Jan-21	13-Jan-21	14-Jan-21	01-Feb-21	02-Feb-21	12.0d																												
		SSA Demonstration Testing Reports				2.0d		25-Feb-21	26-Feb-21	25-Feb-21	26-Feb-21	25-Feb-21	26-Feb-21	0.0d																												
		HRH.TOS.1670 SSA - RAMS Demonstration Testing Report				2.0d	0%	25-Feb-21	26-Feb-21	25-Feb-21	26-Feb-21	25-Feb-21	26-Feb-21	0.0d																												
		Test Case Review and Sign-off				45.0d		16-Nov-20	19-Jan-21	16-Nov-20	19-Jan-21	29-Dec-20	04-Feb-21	12.0d																												
		Test Case Review Panel (TCRP)				44.0d		16-Nov-20	15-Jan-21	16-Nov-20	15-Jan-21	29-Dec-20	03-Feb-21	12.0d																												
		HRH.TOS.1700 Normal Mode Operations Test Cases - Review and Recommendation by Test Case Review Panel (TCRP)				15.0d	0%	16-Nov-20	07-Dec-20	16-Nov-20	07-Dec-20	13-Jan-21	03-Feb-21	41.0d																												
		HRH.TOS.1710 Degraded Mode Operations Test Cases - Review and Recommendation by Test Case Review Panel (TCRP)				25.0d	0%	30-Nov-20	31-Dec-20	30-Nov-20	31-Dec-20	29-Dec-20	03-Feb-21	22.0d																												
		HRH.TOS.1720 Emergency Mode Operations Test Cases - Review and Recommendation by Test Case Review Panel (TCRP)				12.0d	0%	30-Dec-20	15-Jan-21	30-Dec-20	15-Jan-21	19-Jan-21	03-Feb-21	12.0d																												
		HRH.TOS.1730 Response to Failure/ Contingency Plan Test Cases - Review and Recommendation by Test Case Review Panel				13.0d	0%	16-Nov-20	03-Dec-20	16-Nov-20	03-Dec-20	15-Jan-21	03-Feb-21	43.0d																												
		Final Sign-off and Acceptance				1.0d		19-Jan-21	19-Jan-21	19-Jan-21	19-Jan-21	04-Feb-21	04-Feb-21	12.0d																												
		HRH.TOS.1750 Final Sign-off by O&M Director - all reports related to Test Case Scenarios (N,C,D,E)				1.0d	0%	19-Jan-21	19-Jan-21	19-Jan-21	19-Jan-21	04-Feb-21	04-Feb-21	12.0d																												
		Trial Run Certificate				4.0d		20-Jan-21	25-Jan-21	20-Jan-21	25-Jan-21	05-Feb-21	10-Feb-21	12.0d																												
		S1PC10065010 Request for Trail Running Certificate to HART				1.0d	0%	20-Jan-21	20-Jan-21	20-Jan-21	20-Jan-21	05-Feb-21	05-Feb-21	12.0d																												
		S1PC10065020 Obtain Trial Run Certificates from HART				3.0d	0%	21-Jan-21	25-Jan-21	21-Jan-21	25-Jan-21	08-Feb-21	10-Feb-21	12.0d																												
		Passenger Operating License				11.0d		11-Feb-21	26-Feb-21	11-Feb-21	26-Feb-21	11-Feb-21	26-Feb-21	0.0d																												
		S1PC10066000 Submit Passenger Operating License Application to regulator (including approved Ops. Safety Cert and TR Certificates)				1.0d	0%	11-Feb-21	11-Feb-21	11-Feb-21	11-Feb-21	11-Feb-21	11-Feb-21	0.0d																												
		S1PC10066010 Obtain Pax. Operating License from FTA/Regulator Authority				10.0d	0%	12-Feb-21	26-Feb-21	12-Feb-21	26-Feb-21	12-Feb-21	26-Feb-21	0.0d																												

Remaining Work

Critical Remaining Work

Actual Work

Milestone

summary

Critical Milestones

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Inspire the Next

Date	Revision	Checked	Approved
04-Jun-20	HNL - Revised Baseline (1 March 21) - HART Submission	Samrat	Michele
11-Jun-20	HNL - Revised Baseline (1 March 21) - HART Final Submission	Samrat	Michele
08-Jul-20	HNL - Rev.BL_HART(1 March 21) - with revision in Trial Run	Samrat	Michele