

**EXHIBIT 2 - Stage 3 Baseline Technical Documentation**

**Attachment 3 - UGL Rail and foreign test specifications (type and routine)**

Doc No.	Rev	Title
FD/12/1010	8	OSCAR PROJECT SIV EQUIPMENT TYPE NC-EAT160A
FD/12/1011	6	OSCAR PROJECT EVENT RECORDER
FD/12/1012	8	BATTERY CHARGER TYPE CN-EAAD20A
FD/12/1014	3	4 CAR ROUTINE TEST AIRCONDITIONER
FD/12/1015	6	4 CAR ROUTINE TEST VVVF EQUIPMENT
FD/12/1016	6	4 CAR ROUTINE TEST TOS SYSTEM
FD/12/1022	A	TYPE TEST PROCEDURE FOR VVVF TRACTION SYSTEM 8-CAR
FD/12/1025	C	TOS VEHICLE LEVEL STATIC WITNESS TEST
FD/12/1031	7	COMMUNICATION AND SURVEILLANCE SYSTEM
FD/12/1176	0	TYPE TEST PROCEDURE - TOS VEHICLE STATIC TEST FOR SYSTEM VERIFICATION REVIEW
FD/12/1210	B	TYPE TEST PROCEDURE FOR VVVF TRACTION SYSTEM - STAGE 3 TESTING
FD/12/1285	0	POWER AGAINST BRAKE TEST REV B
FD/12/1293	2	On Train File Generation (Timetable) system verification test specification.
FD/12/1311	A	MODIFICATION TEST PROCEDURE - MEA-OSC-MOD-144 - COMMUNICATIONS SYSTEM - PA RACK DSP CARD HARDWARE V5
FD/12/1397	2.0	SURVEILLANCE SYSTEM
FD/12/1537	0	Type Test of Event Recorder for Training Operating System
FD/12/1538	0	ER Thermal Protection to Railway Group Standard GO/OTS203 part C
FD/12/562	0	TYPE TEST & ROUTINE TEST SPECIFICATION FOR TRACTION MOTOR
FD/12/563	0	TYPE TEST & ROUTINE TEST SPECIFICATION FOR FILTER INDUCTOR
FD/12/567	1	TYPE TEST & ROUTINE TEST PROCEDURE FOR TYPE MB-5105-A TRACTION MOTOR
FD/12/568	1	TYPE TEST & ROUTINE TEST PROCEDURE FOR TYPE RT-2165 FILTER INDUCTOR
FD/12/616	A	SURGE / LIGHTNING ARRESTOR TYPE TEST
FD/12/640	D	TEST PROCEDURE OF SIV & BATTERY CHARGER
FD/12/670	B	TEST PROCEDURE FOR CLIMATE CONTROL SUBSYSTEM
FD/12/733	0	TOS EMC TEST SPECIFICATION
FD/12/734	A	TOS TEST SPECIFICATION
FD/12/735	C	EVENT RECORDER TEST SPECIFICATION (SUPPLIER REV C)
FD/12/736	A	EVENT RECORDER EMC TEST SPECIFICATION (SUPPLIER REV B)
FD/12/737	0	EVENT RECORDER ROUTINE TEST SPECIFICATION (FOR MELCO)
FD/12/762	A	VIBRATION SPECIFICATION FOR VVVF INVERTER & STATIC INVERTER
FD/12/784	0	TYPE TEST FOR SRA OSC FILTER REACTOR RT-2165
FD/12/786	0	TYPE TEST FOR SRA OSC TRACTION MOTOR MB-5105-A
FD/12/788	0	EMC TEST FOR SRA OSC VVVF INVERTER
FD/12/790	C	TYPE TEST FOR SRA OSC VVVF INVERTER
FD/12/811	0	TOS FUNCTION TEST SPECIFICATION FOR WITNESS
FD/12/835	AA	SYSTEM TEST SPECIFICATION - TOS
FD/12/842	A	TOS WITNESS TEST SPECIFICATION
FD/12/861	2	OSC ROUTINE TEST AIR CONDITIONER
FD/12/962	A	TYPE TEST PROCEDURE TOS CCS INTERFACE
FD/12/966	F	OSC TYPE TEST PROCEDURE FOR VVVF TRACTION SYSTEM
FD/12/969	A	TYPE TEST PROCEDURE TOS SURVEILLANCE INTERFACE
FD/12/970	D1	TYPE TEST PROCEDURE TOS COMMUNICATIONS INTERFACE
FD/12/978	0	OSC ROUTINE TEST VVVF EQUIPMENT
FD/12/979	0	OSC ROUTINE TEST SIV EQUIPMENT
FD/12/980	0	OSC ROUTINE TEST COMMUNICATION SYSTEM
FD/12/981	0	ROUTINE TEST SURVEILLANCE SYSTEM - OSC
FD/12/982	0	OSC ROUTINE TEST TOS SYSTEM
FD/12/983	0	OSC ROUTINE TEST EVENT RECORDER
FD/12/984	2	AIR CONDITIONER ROUTINE TEST REPORT SET NO. H3
FD/12/996	A	OSCAR PROJECT TYPE TEST PROCEDURE TOS TRACTION INTERFACE
FD/127/079	0	Stage 1 Windscreen Demister Performance
FD/127/079	0	WINDSCREEN DEMISTER TESTING
FD/188/075	3	TEST SPECIFICATION - OSC TRANSVERSE DOOR CYCLIC TEST
FD/188/087	A	OSC TRANSVERSE DOOR NOISE TEST
FD/188/133	5	TEST SPECIFICATION FOR WATER TEST
FD/188/134	1	SPECIFICATION FOR THE FACTORY ACCEPTANCE TEST
FD/188/135	3	TEST SPECIFICATION FOR CYCLIC TEST
FD/207/036	0	Dust Test - Gangway Half COMPL041297659
FD/207/037	0	Missile Impact Test - Gangway Half COMPL.041297659
FD/208/027	0	Coupler Deformation Tube Test
FD/208/027	0	DEFORMATION TUBE TEST
FD/208/028	0	Auto Coupler Structural Yield Strength in draft - draft load : 1000kN
FD/208/029	0	Auto Coupler Water Tightness Test
FD/208/029	0	WATER TIGHTNESS TEST
FD/208/030	0	Auto Coupler Compatibility Test
FD/208/030	0	COMPATIBILITY TEST
FD/208/031	0	Auto Coupler Structural Yield Strength in buff - buff load : 1500kN
FD/208/032	0	Coupler Deformation Tube Test

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FD/208/033	0	Coupler Release Screw Draft Force Limit : 5000kN
FD/208/034	0	Semi- permanent Coupler Yield Strength in Buff - buff load 1500kN
FD/208/035	0	Semi- permanent Coupler Yield Strength in Draft - draft load 1000kN
FD/208/036	0	Emergency Coupler Yield Strength in Buff - buff load 250kN
FD/208/037	0	Emergency Coupler Yield Strength in Draft - draft load 250kN
FD/208/038	3	PRODUCTION / PREDELIVERY TEST FAI COUPLER / FIRST SERIAL COUPLER SEMI-PERMANENT COUPLER
FD/208/039	2	PRODUCTION / PREDELIVERY TEST FAI COUPLER / FIRST SERIAL COUPLER AUTOMATIC COUPLER
FD/208/047	0	TYPE TEST PROCEDURE SPEHRICAL RUBBER BEARING
FD/208/078	0	TEST PROCEDURE SEMI PERMANENT COUPLER - STRUCTURAL YIELD STRENGTH IN BUFF - BUFF LOAD: 1720KN
FD/208/080	0	TEST PROCEDURE AUTOMATIC COUPLER - STRUCTURAL YIELD STRENGTH IN BUFF - BUFF LOAD: 1720KN
FD/208/104	4	TYPE TEST PROCEDURE RECORD FOR AUTOMATIC, SEMI PERMANENT & EMERGENCY COUPLERS
FD/208/106	0	TYPE TEST PROCEDURE - STATIC & DYNAMIC TEST OF COUPLER ABSORBER
FD/210/010	0	SEAT COLOUR SAMPLE REVIEW - OSC
FD/213/013	1	STATIC TEST SPECIFICATION - EP & ELECTRICAL BRAKE TESTS CRUSH CONDITION
FD/213/014	4	DYNAMIC TEST SPECIFICATION - FRICTION ONLY BRAKE TESTS TARE CONDITION - OSC
FD/213/015	5	4 CAR SET DYNAMIC TEST SPECIFICATION - BLENDED BRAKE TESTS TARE CONDITION
FD/213/016	4	DYNAMIC TEST SPECIFICATION - PARK BRAKE TESTS TARE CONDITION - OSC
FD/213/017	3	DYNAMIC TEST SPECIFICATION - WSP SLIDE TESTS TARE CONDITION - OSC
FD/213/018	5	DYNAMIC TEST SPECIFICATION - FRICTION ONLY BRAKE TESTS CRUSH CONDITION
FD/213/019	5	DYNAMIC TEST SPECIFICATION - BLENDED BRAKE TESTS CRUSH CONDITION
FD/213/020	4	DYNAMIC TEST SPECIFICATION - PARK BRAKE TESTS CRUSH CONDITION
FD/213/022	7	4 CARS AND 8 CARS SET DYNAMIC TEST SPECIFICATION
FD/213/049	1	ANIT - COMPOUNDING TEST ON BRAKE CYLINDER FITTED TO OSC AND HUNTER CARS
FD/213/061	2	OSC EMU 8 CAR SET DYNAMIC TEST SPECIFICATION - FRICTION ONLY BRAKE TESTS-TARE CONDITION
FD/213/062	2	OSCAR EMU 8 CAR SET DYNAMICS TEST SPECIFICATION - BLENDED BRAKE TESTS TARE CONDITION
FD/213/063	1	OSCAR EMU 8 CAR SET DYNAMIC TEST SPECIFICATION - WSP SLIDE TESTS TARE CONDITION
FD/213/064	2	OSC EMU 8 CAR DYNAMIC TEST SPECIFICATION - FRICTION ONLY BRAKE TESTS CRUSH CONDITION
FD/213/065	5	OSCAR EMU 8 CAR DYANAMIC TST SPECIFICATION - PARK BRAKE TESTS CRUSH CONDITION
FD/213/096	1	Safety Valve Test
FD/213/098	A	TEST SPECIFICATION - R422 - FUNCTIONAL VERIFICATION OF BRAKE CONTROL / TRAIN CONTROL SYSTEMS - STATIC CONDITIONS - SET NO.: H3
FD/213/133	1	Roll Back Prevention
FD/301/004	2	Crew Bodyside Door Strain Gauge Type Test
FD/305/041	F	VIBRATION TEST SPECIFICATION OSC TOILET DOOR
FD/305/136	C	DOOR TEST ON OSC TOILET DOOR
FD/305/141	A	OSC TOILET MODULE APPENDIX M DOOR TESTS
FD/305/162	A	OSC Toilet Module Door Cycle Tests
FD/305/201	00	OSC TOILET DOOR ENDURANCE & RELIABILITY CYCLE TEST 1,000,000 CYCLES
FD/340/043	0	Surveillance System Tests
FD/340/058	4.6	FUNCTIONAL TYPE TEST - SURVEILLANCE SYSTEM - OSC
FD/340/065	3.6	Data Radio Controller Unit & Data Radio Server Gateway
FD/340/117	6	COMMISSIONING PROCEEDURE COMMUNICATIONS AND SURVEILLANCE, OSC
FD/340/142	4	DVA DYNAMIC TRAIN TEST PROCEDURE
FD/340/143	8	DVA STATIC TRAIN TEST PROCEDURE
FD/340/153	A	PA Rack Load and Voltage Testing
FD/340/157	A	DOC, OSC, COMMERCIAL RADIO TEST INSTRUCTION
FD/340/163	0	Surveillance Camera Image Quality Test
FD/340/170	0	Temperature Test - OSC Communication System
FD/366/016	0	AS/NZS 1530.3: 1999 TEST ON MOSSWOOD FLOORING PANEL
FD/366/027	0	AS3837 TEST AT 50 KW/M2 IRRADIANCE ON TRI SUPPLIED ASTALON POLYCARBONATE PANEL
FD/366/029	0	AS3837 TEST AT 35 KW/M2 IRRADIANCE ON TRI OPTION 1B GRP PANEL
FD/366/031	0	AS3837 TEST AT 50 KW/M2 IRRADIANCE ON TRI OPTION 1B GRP PANEL
FD/366/034	0	AS3837 FIRE TEST AT 50 KW/M2 IRRADIANCE ON TRI OPTION 1DB GRP
FD/366/035	0	AS3837 FIRE TEST AT 25 KW/M2 IRRADIANCE ON TRI OPTION 1DB GRP
FD/366/036	00	AS1530.3 FIRE TEST ON ALTRO TRANSFLOR MET 20 LTX
FD/366/037	0	AS1530.3 FIRE TEST ON RUDOLF ROST ALU-F-TRAFFIC PLYWOOD

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FD/366/038	0	AS3837 FIRE TEST ON DMK WISA BIRCH PLYWOOD AT AN IRRADIANCE LEVEL OF 50 KW/M2
FD/366/048	0	AS1530.3 TEST ON TRANSFORM OPTION 1DB GRP LINING PANEL
FD/366/049	0	AS1530.3 FIRE TEST ON TRANSFORM OPTION 1B GRP INTERIOR LINING PANEL MATERIAL
FD/366/053	0	AS3837 FIRE TEST ON ULTIMATE'S OSC TOILET MODULE GRP AT 35 KW/M2 IRRADIANCE
FD/366/054	0	AS1530.3 FIRE TEST ON HUBNER GANGWAY GFK SIDE WALL PANEL
FD/366/055	0	AS1530.3 FIRE TEST ON HUBNER GANGWAY PA12 MATERIAL
FD/366/056	0	AS1530.3 FIRE TEST ON HUBNER GANGWAY RUBBER PE500506 MATERIAL
FD/366/057	0	AS3837 FIRE TEST ON HUBNER GANGWAY PA12 MATERIAL
FD/366/058	0	AS3837 FIRE TEST ON HUBNER GANGWAY GFK SIDEWALL PANEL
FD/366/059	0	AS3837 FIRE TEST ON HUBNER GANGWAY RUBBER PE500506 MATERIAL
FD/366/061	0	AS3837 FIRE TEST ON LSA DRIVERS SEAT CUSHION/SQUAB TO 35KW/M2 IRRADIANCE
FD/366/063	0	AS1530.3 FIRE TEST ON PAINTED OSC EXTERIOR GRP - WET LAYED MODAR 816 WITH FR GELCOAT
FD/366/064	0	AS1530.3 FIRE TEST ON PAINTED CCBM MODAR 835 EXTERIOR GRP
FD/366/065	0	AS1530.3 FIRE TEST ON PAINTED 4.6MM PHEUOLIC CANOPY LAMINATE
FD/366/174	0	AS3837 Fire Test on OSC Detrainment Ramp Laminate at an Irradiance Level of 35kW/m <sup>2</sup>
FD/371/018	0	FIRE RESISTANCE TEST IN ACCORDANCE ITH AS1530.4:2005 AND AS1905.1:2005 AS APPROPRIATE ON THE ALUMINIUM FRAMED GLAZED SLIDING DOOR MOUNTED IN A NOMINAL 2 MM THICK SEPARATE ELEMENT
FD/371/019	0	FIRE RESISTANCE TEST IN ACCORDANCE WITH AS1530.4:1997 AND AS1905.1:1977 AS APPROPRIATE ON AN ALUMINIUM FRAMED GLAZED SLIDING DOOR MOUNTED IN A NOMINAL 2MM THICK SEPARATING ELEMENT
FD/378/003	B	PANTOGRAPH ROUTINE TEST PROCEDURE
FD/378/004	0	TESTING FOR THE AUTOMATIC HOUSING FEATURES
FD/378/012	A	TYPE TEST PROCEDURE FOR AUTO-DROP SYSTEM
FD/378/016	0	TESTING OF OSCAR PANTOGRAPH AT AUSTBRECK HALLAM FACILITY
FD/378/017	A	TYPE TEST PROCEDURE FOR AUTO-DROP SYSTEM AND OVERREACH PROTECTION; AUSTBRECK PANTOGRAPH
FD/392/004	0	CAPACITY TEST FOR GONINANS 6EG150 BATTERIES
FD/393/001	0	DELFECTION TEST ON MOSSWOOD FLOORING PANEL FE087 SECTION 2.14
FD/393/002	0	ROUTINE BOND TEST ON MOSSWOOD COMPOSITES OSC FLOORING MATERIAL
FD/393/004	0	TYPE BOND TEST ON MOSSWOOD PLYWOOD TO AS2098.2
FD/395/013	0	BS6853 Annex B.2 Fire Test on Mcconghy Carbon Fibre Detrainment Ramp Material.
FD/402/002	0	BS6853 ANNEX B.1 FIRE TEST ON HUBER & SUHNER RX GKW J CABLE
FD/402/003	0	BS6853 ANNEX B.1 FIRE TEST ON HUBER & SUHNER RX GKW K CABLE
FD/402/004	0	BS6853 ANNEX B.1 FIRE TEST ON HUBER & SUHNER 3 GKW (1.5MM2) CABLE
FD/402/005	0	BS6853 ANNEX B.1 FIRE TEST ON HUBER & SUHNER 4 GKW-AX (4MM2) CABLE
FD/402/006	0	BS6853 ANNEX B.1 FIRE TEST ON HUBER & SUHNER 4 GKW-AX (1185MM)
FD/402/007	0	BS6853 ANNEX B.1 FIRE TEST ON HUBER & SUHNER GKW-LW/S EMC (3 X 1.5MM2)
FD/413/020	1	Stage 2 Windscreen Demister Performance
FD/43/119	6	TYPE TEST - TD01512R01 (RLS-E2) - OSC PASSENGER DOOR
FD/43/120	0	TYPE TEST - TD01585R01 (ST1 E2) OSC INTERCAR FIRE DOOR
FD/43/121	5	TYPE TEST TD01518R03/R04 (RLS-E2) - OSC CAB DOOR
FD/43/197	D1	Crew and Passenger Door Skin Ballistic Test
FD/43/207	2	Passenger Door Delay Time test
FD/43/210	2	Passenger door power consumption test
FD/43/213	1	Passenger Door superelevated test - rig test
FD/43/214	1	Roll over test (@ KB)
FD/43/216	3	OSC Crew Door Test with Loads from Passengers
FD/43/218	2	OSC Crew Door Superelevation Test (Rig Test)
FD/43/219	2	OSC Intercar Door Power Consumption Test
FD/43/220	3	OSC Intercar Door Delay Time Test
FD/43/228	4	Water Resistance Test after load test (According to prEN 14752 and IEC 529 (IP 56)
FD/43/229	8	Passenger Door Endurance Test
FD/43/230	6	Test Report - OSC Passenger Door RLS-E2 - Functional tests repeated after 1,000,000 cycles.
FD/43/231	9	Test Report - OSC Passenger Door RLS-E2 Strength Requirements (Deflection and Deformation)
FD/43/245	1	T410500R19 - Testing Instructions for Shanghai III Mock Up Type Test
FD/449/001	1	TYPE TEST - OSCAR VEHICLE RADIATION LEVELS
FD/449/002	0	ELECTROMAGNETIC INTERFERENCE TESTS TO EN 50121-3-1:2000
FD/450/001		Graffiti test of floor covering
FD/450/002		
FD/57/199	2	OSC Lighting Environmental Seal Testing
FD/93/201	2.15	TRAIN MOBILE INSTALLATION TEST SPECIFICATION
GED/0101/TS.003	B	GRAFFITI REMOVAL FROM RAILCAR SURFACES

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Doc No.	Rev	Title
GED/0101/TS.006	0	CLEANING OF RAILCAR SURFACES
GED/45500/TS.005	B	STRAIN GAUGING
GED/45500/TS.008	0	CREW CAB CANOPY ATTACHMENT TESTING
GED/45500/TS.009	B	IMPACT TESTING OF CREW CAB CANOPY LAMINATES
GED/45500/TS.010	B	ROUTINE WATERTIGHTNESS TESTING OF FRESH WATER SUPPLY & EFFLUENT HOLDOVER TANKS ON THE OSC
GED/45500/TS.016	0	VIBRATION TYPE TESTING
GED/45500/TS.017	A	DC FLUX DENSITY MEASUREMENT TEST
GED/45500/TS.018	0	ROOF IMPACT TESTING
GED/45500/TS.019	0	GLAZING RETENTION TEST
GED/45500/TS.020	0	PROJECTILE IMPACT TESTING OF ROOF PANEL
GED/45500/TS.021	0	TRAIN TO TRAIN EGRESS RATE TESTING
GED/45500/TS.022	0	FLOORING MAINTAINABILITY TESTING
GED/45500/TS.034	G	ROUTINE COMMISSIONING TEST FOR MEASURES FOR THE PREVENTION OF ACCIDENTS FOR ALL TRAIN SYSTEMS FOR OSC
GED/45500/TS.044	B	MODAL TESTING ON OSC
GED/45500/TS.049	H	ROUTINE TEST A+B/C 2 CAR FOR ELECTRICAL SYSTEMS ON THE OSC
GED/45500/TS.052	0	COUPLERS OP GEOMETRY
GED/45500/TS.053	J	TYPE AND ROUTINE TESTS GAUGE CLEARANCE, COUPLER AND FLOOR HEIGHT FOR THE OSC
GED/45500/TS.057	G	TEST SPECIFICATION ROUTINE COMMISSIONING TEST FOR SAFETY RELATED EQUIPMENT ON THE OSC
GED/45500/TS.091	D	ROUTINE TEST TESTING FOR WATERTIGHTNESS ON THE OSC
GED/45500/TS.092	D	IMPACT TESTING OF EXTERNAL GRP FOR OSC
GED/45500/TS.093	F	ROUTINE COMMISSIONING TEST FOR ELECTRICAL WIRING CONTINUITY, EARTHING SYSTEM CHECKS, INSULATION RESISTANCE, VOLTAGE WITHSTAND AND LEAKAGE CURRENT FOR THE OSC
GED/45500/TS.094	E	TEST SPECIFICATION - TYPE (QUALIFICATION) FOR SHOCK AND VIBRATION TESTING OF BATTERIES ON THE OSC
GED/45500/TS.095	A	IMPACT TESTING OF TERMINAL END DOOR LAMINATE
GED/45500/TS.099	0	CREW TRANSVERSE DOOR OPENING
GED/45500/TS.100	A	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION FE038-92 SECTION 4.1 (A)
GED/45500/TS.101	A	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION FE038-92 SECTION 4.1 (B)
GED/45500/TS.104	0	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION FE038-92 SECTION 4.1 (E)
GED/45500/TS.105	0	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION FE038-92 SECTION 4.1 (F)
GED/45500/TS.106	0	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION FE038-92 SECTION 4.1 (G)
GED/45500/TS.107	0	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION FE038-92 SECTION 4.1 (H)
GED/45500/TS.108	B	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION FE038-92 SECTION 4.1 (I) FOR THE OSC AND HRC
GED/45500/TS.109	A	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION FE038-92 SECTION 4.2 (A) & (C)
GED/45500/TS.110	A	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION FE038-92 SECTION 4.2 (B) & (C)
GED/45500/TS.111	0	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION FOR VANDAL RESISTANCE OF ARMREST
GED/45500/TS.112	0	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION FOR VANDAL RESISTANCE OF THE FOOTREST
GED/45500/TS.113	0	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION GENERAL VANDALISM
GED/45500/TS.114	A	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION GENERAL GRAFFITI
GED/45500/TS.115	A	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION FOR TRANSMISSION OF LIQUIDS
GED/45500/TS.116	0	TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION CLAUSE 3.6.1.1.6 OF BOTH C03005 & C02391
GED/45500/TS.117	B	INSITU TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION FE038-92 SECTION 4.1 (C)
GED/45500/TS.118	B	INSITU TYPE TEST FOR PASSENGER SEATS FOR COMPLIANCE WITH RAILCORP SPECIFICATION FE038-92 SECTION 4.1 (D)
GED/45500/TS.119	E	TYPE (QUALIFICATIO) TEST FOR AUTODROP AND OVER-REACH OF THE PANTOGRAPH ON OSC
GED/45500/TS.120	F	TEST SPECIFICATION FOR THE AIRFLOW TYPE (QUALIFICATION) TESTS FOR THE CLIMATE CONTROL SYSTEM ON THE OSC

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GED/45500/TS.121	B	PASSENGER AND CREW ENVIRONMENT TYPE (QUALIFICATION) TESTS FOR THE CLIMATE CONTROL SYSTEM ON THE OSC
GED/45500/TS.122	C	FUNCTIONAL TYPE TESTS FOR THE CLIMATE CONTROL SYSTEM ON THE OSC
GED/45500/TS.123	A	VIBRATION TYPE TESTING OF PASSENGER, CREW & INTERCAR DOORS
GED/45500/TS.131	B	TEST SPECIFICATION TYPE (QUALIFICATION) FOR TIMETABLE & PASSENGER INFORMATION MANAGEMENT SYSTEM ON THE OSC
GED/45500/TS.133	C	TYPE TESTS FOR NOISE ON THE OSC
GED/45500/TS.134	B	ROUTINE TESTS FOR NOISE ON THE OSC
GED/45500/TS.135	A	TYPE TEST FOR PASSENGER & DRIVER'S SENSED VIBRATION ON OSC
GED/45500/TS.136	B	TEST SPECIFICATION BR566 IMPACT RESISTANCE TYPE TEST FOR WINDSCREENS ON THE OSC
GED/45500/TS.142	A	TEST SPECIFICATION PRODUCTION & VERIFICATION FOR STATIC BRAKE TEST ON THE OSC
GED/45500/TS.143	E	TEST SPECIFICATION TYPE & VERIFICATION FOR DYNAMIC BRAKE TEST ON THE OSC
GED/45500/TS.144	0	GANGWAY JUMPER CABLE CLEARANCE
GED/45500/TS.145	B	DYNAMIC GLAZING RETENTION TEST
GED/45500/TS.148	F	ROUTINE TEST A+B+C+A4-CAR SETS FOR ELECTRICAL SYSTEMS ON OSC
GED/45500/TS.149	B	TYPE TEST SPECIFICATION FIRE-RESISTANCE TEST INTERCAR ACCESS DOOR FOR THE OSC
GED/45500/TS.151	B	TYPE TEST FOR TWO CAR LIGHTING LEVELS FOR THE OSC
GED/45500/TS.153	L	DOOR ROUTINE TESTS ON PASSENGER, CREW BODYSIDE & INTERCAR ACCESS DOOR FOR THE OSC
GED/45500/TS.154	C	WATER TYPE TESTING FOR ELECTRICAL BOXES ON THE OSC
GED/45500/TS.155	B	SIGNAL VISIBILITY
GED/45500/TS.156	G	TEST SPECIFICATION ROUTINE TESTS OF TOILET AND WATER SYSTEM ON THE OSC
GED/45500/TS.157	D	ROUTINE TESTS ON METRONET TRAIN MOBILE FOR THE OSC
GED/45500/TS.158	D	TYPE TEST SPECIFICATION OPERATIONAL REQUIREMENTS FOR COUPLER ON THE OSC
GED/45500/TS.159	G	ROUTINE TEST OF FIRE & SMOKE DETECTION SYSTEM ON THE OSC
GED/45500/TS.160	F	ROUTINE PRE-DELIVERY DYNAMIC TEST AND ON-BOARD SYSTEMS TESTING DURING DYNAMIC RUNNING ON THE OSC
GED/45500/TS.161	C	TYPE (QUALIFICATION) TEST FOR VIGILANCE CONTROL ON OSC
GED/45500/TS.163	C	THE TERMINAL END EMERGENCY ACCESS (DETRAINMENT RAMP) ON THE OSC
GED/45500/TS.164	0	TYPE TEST FOR 50HZ IMPEDANCE OF HALF SET ON OSC
GED/45500/TS.165	B	TYPE (QUALIFICATION) TEST FOR 50HZ DETECTORS ON THE OSC
GED/45500/TS.167	A	TYPE TEST SPECIFICATION TEST FOR TOS-CCS INTERFACE
GED/45500/TS.169	A	TYPE TEST SPECIFICATION TESTS FOR TOS BRAKES INTERFACE ON OSC
GED/45500/TS.172	B	TYPE (QUALIFICATION) TEST SPECIFICATION FOR PROPULSION SYSTEM ON OSC
GED/45500/TS.173	A	TEST DEMONSTRATION SPECIFICATION JAWS OF LIFE PASSENGER, CREW & INTERCAR DOORS
GED/45500/TS.174	0	TYPE TEST SPECIFICATION TEST FOR TOS DOORS INTERFACE
GED/45500/TS.175	A	TYPE TEST SPECIFICATION TEST FOR TOS EAPS INTERFACE ON OSC
GED/45500/TS.176	0	TYPE TEST SPECIFICATION TEST FOR TOS COMMUNICATIONS
GED/45500/TS.177	A	TYPE TEST SPECIFICATION TEST FOR TOS SURVEILLANCE ON OSC
GED/45500/TS.178	A	TYPE TEST SPECIFICATION RAIL TO RAIL ELECTRICAL RESISTANCE ON THE OSC
GED/45500/TS.179	0	TEST SPECIFICATION TYPE QUALIFICATION TEST FOR VEHICLE ELECTROMAGNETIC RADIATION LEVELS
GED/45500/TS.181	B	TYPE (QUALIFICATION) FOR OPERATIONAL REQUIREMENTS FOR PANTOGRAPHS ON THE OSC
GED/45500/TS.182	E	TEST SPECIFICATION TRAIN PREPARATION & CERTIFICATION FOR TESTING FOR THE OSC
GED/45500/TS.183	C	TEST SPECIFICATION TYPE (QUALIFICATION) TEST FOR LIGHTING & CONTROL BATTERY CAPACITY ON THE OSC
GED/45500/TS.189	A	TYPE (QUALIFICATION) TEST OF STATIC DC FLUX LEVELS ON THE OSC
GED/45500/TS.191	A	TYPE (QUALIFICATION) TEST SPECIFICATION TESTS FOR TOS TRACTION ININTERFACE
GED/45500/TS.204	A	TYPE TEST FOR GROUND BORNE (PASSBY) VIBRATION ON THE OSC
GED/45500/TS.205	E	TYPE (QUALIFICATION) TEST FOR 8 CAR DYNAMIC AND STATIC TESTING ON THE OSC
GED/45500/TS.206	A	TYPE (QUALIFICATION) TEST FOR CREW TRANSVERSE DOOR ON THE OSC
GED/45500/TS.207	H	ROUTINE TEST FOR AIRCONDITIONER (4 CAR) ON THE OSC
GED/45500/TS.208	H	ROUTINE TEST FOR SIV (4 CAR) ON THE OSC
GED/45500/TS.209	F	ROUTINE TEST FOR BATTERY CHARGER (4 CAR) ON THE OSC
GED/45500/TS.210	K	ROUTINE TEST FOR VVVF (4 CAR) ON THE OSC
GED/45500/TS.211	J	ROUTINE TEST FOR COMMUNICATIONS AND SURVEILLANCE SYSTEM (4 CAR) ON THE OSC
GED/45500/TS.212	J	ROUTINE TEST FOR (4 CAR) TOS ON THE OSC
GED/45500/TS.213	J	PRODUCTION & VERIFICATION FOR EVENT RECORDER (4 CAR) ON THE OSC

**EXHIBIT 2 - Stage 3 Baseline Technical Documentation**

**Attachment 3 - UGL Rail and foreign test specifications (type and routine)**

<b>Doc No.</b>	<b>Rev</b>	<b>Title</b>
GED/45500/TS.216	P	PRODUCTION AND VERIFICATION FOR STATIC BRAKE TEST ON THE OSC
GED/45500/TS.217	E	TYPE QUALIFICATION FOR OSC CUSTOMER WITNESS TYPE OF OSC COMMUNICATIONS SYSTEM ON THE OSCAR FOR RAILCORP
GED/45500/TS.218	B	TYPE (QUALIFICATION) TEST FOR OSC CUSTOMER WITNESS TYPE OF OSC TRAIN OPERATING SYSTEM ON THE OSC
GED/45500/TS.220	A	TYPE TESTING OF SMOKE DETECTOR ALARM LEVELS ON OSC
GED/45500/TS.221	B	PASSENGER FLOW TESTING UNLOADING THROUGH PASSENGER DOORS FOR OSC
GED/45500/TS.222	B	TYPE (QUALIFICATION) TEST FOR FRESH WATER SYSTEM ON THE OSC
GED/45500/TS.223	B	ROUTINE TEST FOR THE TERMINAL END EMERGENCY ACCESS (DETRAINMENT RAMP) ON THE OSC
GED/45500/TS.225	C	THE INTERNAL TEMPERATURE PULL-UP TYPE (QUALIFICATION) TESTS FOR THE CLIMATE CONTROL SYSTEM ON THE OSC
GED/45500/TS.227	B	ACCESS INTEGRATION TYPE TEST ON PASSENGER, CREW BODYSIDE & INTERCAR ACCESS DOOR FOR THE OSC
GED/45500/TS.228	A	ROUTINE TEST TESTING FOR WATERTIGHTNESS ON THE OSC
GED/45500/TS.231	B	TYPE TESTS FOR NOISE (8 CAR SET CONFIGURATION) ON THE OSC
GED/45500/TS.232	B	TYPE TESTS FOR COMMUNICATIONS SOUND LEVELS ON THE OSC
GED/45500/TS.233	B	TYPE TEST FOR WATERTIGHTNESS OF INTERIOR EQUIPMENT CUPBOARDS ON THE OSC
GED/45500/TS.235	0	IMPACT TESTING OF INTERNAL ELECTRICAL LOCKER POLYCARBONATE PANEL FOR OSC
GED/45500/TS.236	C	TYPE AND ROUTINE TESTING OF HEARING LOOP ON THE OSC
GED/45500/TS.237	0	TYPE TEST FOR STRUCTURAL INTEGRITY OF CREW WORKSTATIONS UNDER 120 KG LOAD
GED/45500/TS.238	0	TEST SPECIFICATION VIBRATION TYPE TESTING FOR TOILET MODULE SLIDING DOOR ON THE OSC
GED/45500/TS.239	A	TYPE (QUALIFICATION) FOR 1500N TESTING OF THE TOILET MODULE DOOR ON THE OSC
GED/45500/TS.247	F	SPECIFICATION OPERATOR ENABLE PEDAL - V2 COMBINED ROUTINE AND TYPE TEST ON THE OSC
GED/45500/TS.249	B	TYPE (QUALIFICATION) TEST SURVEILLANCE SYSTEM MODIFIED SOFTWARE FUNCTIONAL TEST ON THE OSC
GED/45500/TS.254	F	TEST SPECIFICATION 8 CAR ROUTINE TEST ON THE OSC
GED/45500/TS.255	0	ROUTINE TEST WATERTIGHTNESS FOR DETRAINMENT DOOR ON THE OSC
GED/45500/TS.256	A	TYPE TEST SPECIFICATION DEFLATED AIR BAG DETECTION LIMIT SWITCH FOR OSC
GED/45500/TS.261	B	TYPE (QUALIFICATION) FOR STATIC AND DYNAMIC DVA TRAIN TEST ON THE OSC
GED/45500/TS.263	A	TYPE (QUALIFICATION) FOR COMMERCIAL RADIO ON THE OSC
GED/45500/TS.264	B	ROUTINE TEST FOR HARDNESS OF PASSENGER WALKOVER SEATS FOR THE OSC
GED/45500/TS.265	0	TYPE (QUALIFICATION) TEST SPECIFICATION FOR STAGE 3 TESTING OF THE PROPULSION SYSTEM ON THE OSC
GED/45500/TS.267	0	SUPPORTING TEST FOR LIGHTING AND CONTROL BATTERY CAPACITY ON THE OSC
GED/45500/TS.268	00	THE INTERNAL TEMPERATURE PULL-DOWN TYPE (QUALIFICATION) TESTS FOR THE CLIMATE CONTROL SYSTEM ON THE OSC
GED/45500/TS.271	0	8 CAR STATIC BRAKE TYPE TEST SPECIFICATION
GED/45500/TS.272	0	12 & 16 CAR TYPE TEST FOR STATIC BRAKES
GED/45500/TS.274	0	WATER TYPE TEST FOR BAR COUPLER ELECTRICAL HEADS ON THE OSC
GED/45600/TS.001	B	BOGIE FRAME FOR THE OUTER SUBURBAN CAR STRUCTURAL STRENGTH TEST TO UIC CODE 615-4
GED/45600/TS.002	B	BOGIE SWING TEST SPECIFICATION CURVED TRACK SWING TEST
GED/45600/TS.003	B	STATIC WHEEL UNLOADING TEST SPECIFICATION
GED/45600/TS.004	G	STATIC VEHICLE WEIGH TEST
GED/45600/TS.006	A	KINEMATIC OUTLINE GAUGE MEASUREMENT
GED/45600/TS.007	B	BOGIE DYNAMIC STRAIN MEASUREMENT TEST SPECIFICATION
GED/45600/TS.008	B	DYNAMIC KINEMATIC OUTLINE
GED/45600/TS.012	0	TEST SPECIFICATION ON TRACK WHEEL LATERAL & VERTICAL FORCES MEASUREMENT
GED/45600/TS.013	B	RIDE BACK TO BACK COMPARISON WITH 'V' SET
GED/45600/TS.018	A	OSC ANTI ROLL BAR SYSTEM CONNECTION STRENGTH TEST
GED/45600/TS.019	00	OSC ANTI ROLL BAR FATIGUE CYCLING TEST
GED/45600/TS.020	00	SINGLE ANTI-ROLL BAR STATIC TEST FOR OSC