

EXHIBIT 2 - Stage 3 Baseline Technical Documentation

Attachment 4 - UGL Rail and foreign type test reports

Doc No.	Rev	Title
FD/12/1005	B	OSC PROJECT 50HZ IMPEDIANCE MEASUREMENT REPORT
FD/12/1032	A	TYPE TEST REPORT - TOS EAPS INTERFACE
FD/12/1033	A	TYPE TEST REPORT - TOS CCS INTERFACE
FD/12/1034	A	TYPE TEST REPORT - TOS BRAKES INTERFACE
FD/12/1035	A	OSCAR PROJECT TYPE TEST REPORT TOS TRACTION INTERFACE
FD/12/1036	A	TYPE TEST REPORT TOS COMMUNICATIONS INTERFACE
FD/12/1037	A	TYPE TEST REPORT TOS SURVEILLANCE INTERFACE
FD/12/1049	C	TYPE TEST RESULTS FOR VVVF TRACTION SYSTEM
FD/12/1177	A	TYPE TEST REPORT - TOS VEHICLE STATIC TEST FOR SYSTEM VERIFICATION REVIEW
FD/12/1402	0	TYPE TEST RESULTS FOR VVVF TRACTION SYSTEM - STAGE 3 TESTING - APPENDIX 1 H14 TYPE TEST
FD/12/1403	A	TYPE TEST RESULTS FOR VVVF TRACTION SYSTEM - STAGE 3 TESTING (MEA REV A)
FD/12/1511	00	TEST REPORT, SVR, OSC, SURVEILLANCE SYSTEM (SUPPLIER REV 1.0)
FD/12/608	0	TYPE TEST REPORT ON LINE SWITCH
FD/12/673	0	REPORT FOR AIR DISTRIBUTION PLAN AIR CONDITIONING SYSTEM (INVESTIGATION FOR TEMP VARIATION FOR T CAR TYPE A)
FD/12/674	0	REPORT FOR AIR DISTRIBUTION PLAN AIR CONDITIONING SYSTEM (INVESTIGATION FOR TEMP VARIATION FOR T CAR)
FD/12/675	A	REPORT FOR AIR DISTRIBUTION PLAN AIR CONDITIONING SYSTEM (INVESTIGATION FOR TEMP VARIATION FOR M CAR)
FD/12/775	1	REPORT FOR AIR DISTRIBUTION PLAN AIR CONDITIONING SYSTEM, OSC SRA INVESTIGATION FOR TEMPERATURE VARIATION OF M CAR TYPE C (RESPONSE TO CDR COMMENT)
FD/12/779	1	REPORT FOR HUMIDITY CONTROL & PASSENGERS THERMAL COMFORT, OSC SRA (RESPONSE FOR CDR COMMENTS)
FD/12/781	0	TEST REPORT - COMBINATION TEST FOR SRA OSC SIV, BCG
FD/12/782	0	TEST REPORT FOR EMC TEST FOR SRA OSC SIV, BCG
FD/12/783	0	WITNESS TEST REPORT FOR SRA OSC SIV, BCG
FD/12/784	0	TYPE TEST FOR SRA OSC FILTER REACTOR RT-2165
FD/12/785	0	WITNESS TEST REPORT FOR SRA OSC FILTER INDUCTOR RT-2165
FD/12/786	0	TYPE TEST FOR SRA OSC TRACTION MOTOR MB-5105-A
FD/12/787	0	WITNESS TEST REPORT FOR SRA OSC TRACTION MOTOR MB-5105-A
FD/12/788	0	EMC TEST FOR SRA OSC VVVF INVERTER
FD/12/789	0	TEST REPORT FOR COMBINATION TEST FOR SRA OSC VVVF INVERTER
FD/12/791	0	WITNESS TEST REPORT FOR SRA OSC VVVF INVERTER MAP202-15V125
FD/12/812	B	TYPE TEST REPORT FOR MELCO HVAC UNIT FOR OSC
FD/12/837	1	TYPE TEST REPORT OF LIGHTENING ARRESTER
FD/12/847	0	TEST REPORT FOR FACTORY WITNESS TEST FOR TRAIN OPERATING SYSTEM (TOS) - OSC
FD/12/853	0	TEST REPORT FOR TYPE TEST BRAKING RESISTOR FOR VVVF INVERTER
FD/12/854	0	TEST REPORT FOR TYPE TEST RELAY UNIT FOR VVVF INVERTER
FD/12/959	0	TYPE TEST REPORT FOR OSC - TOS DOORS INTERFACE
FD/12/960	A	TYPE TEST REPORT - OSC - TOS DOORS INTERFACE
FD/12/963	A	OSC - TYPE TEST REPORT TOS BRAKES INTERFACE
FD/12/965	A	OSC TYPE TEST REPORT TOS EAPS INTERFACE
FD/207/015	0	TEST REPORT GRAFFITI TEST - GANGWAY HALF, COMPL. 041299999
FD/207/019	A	TYPE TEST REPORT GANGWAY HALF, COMPL. MOUNTING
FD/207/027	A	TEST REPORT - VANDALISM TO GRP WALL, GANGWAY HALF, COMPL. 041297659
FD/207/032	A	TEST REPORT IMPACT TEST GANGWAY HALF, COMPL. 041299999
FD/207/033	0	TEST REPORT ENDURANCE TEST GANGWAY HALF, COMPL. 041299999
FD/207/034	0	IMPACT TEST REPORT GANGWAY HALF, COMPL. 041297659
FD/207/035	0	ENDURANCE TEST REPORT GANGWAY HALF, COMPL. 041297659
FD/207/036	0	DUST TEST REPORT GANGWAY HALF, COMPL. 041297659
FD/207/037	0	MISSILE IMPACT TEST REPORT - GANGWAY HALF COMPL. 041297659
FD/208/050	3	TYPE TEST RESULTS - AUTOMATIC COUPLER
FD/208/067	0	TYPE TEST RESULT - STRUCTURAL YIELD STRENGTH IN BUFF - BUFF LOAD: 1500KN
FD/208/068	0	TYPE TEST RESULT - STRUCTURAL YIELD STRENGTH IN DRAFT - DRAFT LOAD: 1000KN
FD/208/069	0	TYPE TEST RESULT - WATER TIGHTNESS TEST
FD/208/070	0	TYPE TEST RESULTS - DEFORMATION TUBE TEST
FD/208/079	0	TEST RESULT SEMI PERMANENT COUPLER - STRUCTURAL YIELD STRENGTH IN BUFF BUFF LOAD: 1720KN
FD/208/081	0	TEST RESULT AUTOMATIC COUPLER - STRUCTURAL YIELD STRENGTH IN BUFF - BUFF LOAD: 1720KN
FD/208/105	4	TYPE TEST RESULT RECORD FOR AUTOMATIC, SEMI PERMANENT & EMERGENCY COUPLERS
FD/208/106	1	TYPE TEST REPORT - STATIC & DYNAMIC TESTS VS. SIMULATION CRITERIA OF GAS HYDRAULIC BUFFERS
FD/213/043	1	TEST RESULTS - OSC EMU STATIC TEST SPECIFICATION - AIR LEAKAGE TEST

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Doc No.	Rev	Title
FD/213/044	1	TEST RESULTS - (ACTIVE CAR T6901 & T6902) OSC EMU STATIC TEST SPECIFICATION - PNEUMATIC TESTS TARE & BURST BAG CONDITION
FD/213/045	1	TEST RESULTS (ACTIVE CAR T9601 & T9602) - OSC EMU STATIC TEST SPECIFICATION - EP & ELECTRICAL BRAKE TESTS TARE & BURST BAG CONDITION
FD/213/046	1	BRAKE & PNEUMATIC TEST REPORT - APPENDIX A (GED/45500/REP.2778)
FD/213/066	6	OSC EMU DYNAMIC TESTS REPORT SET 1 (4 CAR)
FD/213/067	6	4 CAR SET DYNAMIC TEST RESULTS - BLENDED BRAKE TESTS TARE CONDITION
FD/213/068	5	OCS EMU 4 CAR DYNAMIC TEST RESULTS - FRICTION ONLY BRAKE TESTS TARE CONDITION
FD/213/069	4	OCS EMU 4 CAR DYNAMIC TEST RESULTS - FRICTION ONLY BRAKE TEST CRUSH CONDITION
FD/213/070	2	OSC EMU 4 CAR DYNAMIC TEST RESULTS - PARK BRAKE TESTS TARE CONDITION
FD/213/071	4	OCS EMU 4 CAR DYNAMIC TEST RESULTS - BLENDED BRAKE TESTS CRUSH CONDITION
FD/213/072	1	OCS EMU 4 CAR DYNAMIC TEST RESULTS - PARK BRAKE TESTS CRUSH CONDITION
FD/213/073	3	OSC EMU 4 CAR DYNAMIC TEST - WSP SLIDE TESTS - TARE CONDITION TEST RESULTS
FD/213/074	1	OUTER SURBURBAN CARS (OSC) EMU - SET H3 STATIC BRAKE TEST REPORT
FD/213/075	3	TEST RESULTS - STATIC TEST SPECIFICATION - PNEUMATIC TESTS TARE AND 'BURST BAG' CONDITION - SET NO: H3, ACTIVE CAB CAR NO: 6906
FD/213/076	3	TEST RESULTS - STATIC TEST SPECIFICATION - EP AND ELECTRICAL BRAKE TESTS TARE AND 'BURST BAG' CONDITION - SET NO: H3, ACTIVE CAB CAR NO: 6906
FD/213/077	2	TEST RESULTS - STATIC TEST SPECIFICATION - PNEUMATIC TEST CRUSH CONDITION SET NO: H3, ACTIVE CAB CAR NO: 6906
FD/213/078	2	TEST RESULTS - STATIC TEST SPECIFICATION - EP AND ELECTRICAL BRAKE TESTS CRUSH CONDITION - SET NO: H3, ACTIVE CAB CAR NO: 6906
FD/213/079	3	TEST RESULTS - STATIC TEST SPECIFICATION PNEUMATIC TESTS TARE AND 'BURST BAG' CONDITION - SET NO: H3, ACTIVE CAB CAR NO: 6905
FD/213/080	3	TEST RESULTS - STATIC TEST SPECIFICATION - EP AND ELECTRICAL BRAKE TESTS TARE AND 'BURST BAG' CONDITION - SET NO: H1, ACTIVE CAB CAR NO: 6905
FD/213/081	2	TEST RESULTS - STATIC TEST SPECIFICATION - PNEUMATIC TESTS CRUSH CONDITION - SET NO: H3, ACTIVE CAB CAR NO: 6905
FD/213/082	2	TEST RESULTS - STATIC TEST SPECIFICATION - EP AND ELECTRICAL BRAKE TESTS CRUSH CONDITION - SET NO: H3, ACTIVE CAB CAR NO: 6905
FD/213/086	2	TEST REPORT-R419-OSC BRAKE CONTROL MODULE BENCH TEST REPORT FOR: CPU SOFTWARE RELEASE: V1.01, WSP SOFTWARE RELEASE: V1.01
FD/213/170	1	4 CAR SET DYNAMIC TEST RESULTS - FRICTION ONLY BRAKE TESTS CRUSH CONDITION - SET H14 (4 CAR) AFTER MODIFICATIONS TO THE SPRING PARK BRAKE ACTUATORS
FD/213/171	1	TESTS REPORT OF DYNAMIC TESTS CARRIED OUT ON SET H14 (4 CAR) AFTER MODIFICATIONS TO THE SPRING PARK BRAKE ACTUATORS
FD/213/172	1	4 CAR SET DYNAMIC TEST RESULTS - BLENDED BRAKE TESTS TARE CONDITION - SET H14 (4 CAR) AFTER MODIFICATIONS TO THE SPRING PARK BRAKE ACTUATORS
FD/213/173	1	4 CAR SET DYNAMIC TEST RESULTS: FRICTION ONLY BRAKE TESTS - TARE CONDITION - SET H14 (4 CAR) AFTER MODIFICATIONS TO THE SPRING PARK BRAKE ACTUATORS
FD/213/175	1	4 CAR SET DYNAMIC TEST RESULTS - BLENDED BRAKE TESTS CRUSH CONDITION - SET H14 (4 CAR) AFTER MODIFICATIONS TO THE SPRING PARK BRAKE ACTUATORS
FD/213/176	1	8 CAR DYNAMIC TEST REPORT SET H1 & H14
FD/213/177	1	8 CAR SET DYNAMIC TEST RESULTS - FRICTION ONLY BRAKE TESTS TARE CONDITION
FD/213/178	1	8 CAR SET DYNAMIC TEST RESULTS - BLENDED BRAKE TESTS TARE CONDITION - SET H1+ H14 (8 CAR) AFTER MODIFICATIONS TO THE SPRING PARK BRAKE ACTUATORS
FD/213/179	1	8 CAR SET DYNAMIC TEST RESULTS - BLENDED BRAKE TESTS CRUSH CONDITION - SET H1+H14 (8 CAR) AFTER MODIFICATIONS TO THE SPRING PARK BRAKE ACTUATORS
FD/213/180	1	8 CAR SET DYNAMIC TEST RESULTS - FRICTION ONLY BRAKE TESTS CRUSH CONDITION - SET H1+H14 (8 CAR) AFTER MODIFICATIONS TO THE SPRING PARK BRAKE ACTUATORS
FD/305/105	0	OSC TOILET MODULE HANDRAIL LOADING TEST REPORT
FD/305/146	B	TEST REPORT OSC TOILET MODULE DOOR
FD/340/060	5.8	FUNCTIONAL SPECIFICATION / TEST REPORT USE CASE TESTING - COMMUNICATIONS - OSC
FD/340/066	3.7	TOS INTERFACE & DVA TEST REPORT - OSC
FD/340/163	00	DOC, SURVEILLANCE CAMERA IMAGE QUALITY TEST REPORT (SUPPLIER REV 3)
FD/340/168	2	DVA STATIC TRAIN TEST REPORT
FD/340/169	1	DVA DYNAMIC TRAIN TEST REPORT

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Doc No.	Rev	Title
FD/366/074	0	AS3837 FIRE TEST REPORT ON ISRI DRIVER'S SEAT CUSHION/SQUAB TO 35KW/M2 IRRADIANCE
FD/366/075	0	AS3837 FIRE TEST REPORT FOR OSC FLOORING ASSEMBLY TESTED TO 25KW/M2 IRRADIANCE
FD/371/005	0	TEST REPORT - DETERMINATION OF WEIGHTED SUMMATION OF TOXIC FUME R
FD/371/006	0	TOXICITY TEST OF POWDERCOATED ALUMINIUM
FD/371/007	0	TEST REPORT - TOXICITY TEST OF MOQUETTE SEAT CUSHION
FD/371/008	0	TEST REPORT - TOXICITY TEST OF VINYL SEAT HEADREST/SQUAB
FD/386/004	0	VIBRATION TEST REPORT ON OSC FRESH WATER & EFFLUENT HOLDOVER TANKS
FD/413/008	0	TERMINAL DETRAINMENT DOOR IMPACT TEST RESULTS
FD/413/009	0	EXTERNAL GRP IMPACT TEST REPORT
FD/413/023	0	OSC WINDSCREEN IMPACT PERFORMANCE TEST REPORT
FD/43/207	2	TEST REPORT OSC PASEENGER DOOR (DRAWING NO. TD01512R01) RLS-E2, DOOR DELAY TIME
FD/43/208	3	TEST REPORT (DRAWING NO. TD01518R03) OSC CAP DOOR RLS-E2 DOOR DELAY TIME
FD/43/210	2	TEST REPORT (DRAWING NO. TD01512R01) OSC-PASSENGER DOOR, RLS-E2, POWER CONSUMPTION TEST
FD/43/211	1	TEST REPORT OSC - PASSENGER DOOR, RLS-E2, WATER RESISTANC E TEST ACCORDING TO PREN 14752 AND IEC 529 (IP 56)
FD/43/212	4	TEST REPORT OSC - PASSENGER DOOR RLS-E2 STRENGTH REQUIREMENTS (DEFLECTION AND DEFORMATION)
FD/43/213	1	TEST REPORT DRAWING NO. TD01512R01 RLS-E2 SUPERELEVATION TEST
FD/43/214	1	TEST REPORT DRAWING NO. TD01512R01 RLS-E2 ROLL OVER TEST
FD/43/215	3	TEST REPORT DRAWING NO. TD01512R01 OSC PASSENGER DOOR RLS-E2 TESTS TO BE REPEATED DURING LIFETIME TEST AFTER 500.000 CYCLES
FD/43/216	3	TEST REPORT DRAWING NO. TD01518R03/R04 OSC CAB DOOR RLS TEST WITH LOADS FROM PASSENGERS
FD/43/218	2	TEST REPORT DRAWING NO. TD01518R03 OSC-CAB DOOR RLS-E2 SUPERELEVATION TEST
FD/43/219	2	TEST REPORT DRAWING NO. TD01585R01 OSC - INTERCAR FIRE DOOR STI POWER CONSUMPTION TEST
FD/43/220	3	TEST REPORT DRAWING NO. TD01585R01 OSC - INTERCAR FIRE DOOR, STTI, DOOR DELAY TIME
FD/43/221	3	TEST REPORT DRAWING NO. TD01585R01 OSC-CAB DOOR RLS CLOSING FORCES
FD/43/222	4	TEST REPORT DRAWING NO. TD01512R01 PASSENGER DOOR RLS-E2 NOISE TEST
FD/43/223	4	TEST REPORT DRAWING NO. TD01585R01 OSC - INTERCAR FIRE DOOR, STI CLOSING FORCES
FD/43/224	3	TEST REPORT DREWING NO. TD01518R03 OSC-CAB DOOR, RLS, WATER RESISTANCE TEST ACCORING TO EN 14752 AND IEC 529 (IP 56)
FD/43/228	4	TEST REPORT-OSC - PASSENGER DOOR - RLS-E2 - WATER RESISTANCE TEST AFTER LOAD TEST, ACCORDING TO PREN 14752 AND IEC 529 (IP 56)-ISSUE NO. 02
FD/43/230	6	TEST REPORT-OSC - PASSENGER DOOR - RLS-E2 - TESTS TO BE REPEATED AFTER LIFETIME TEST 1.000.000 CYCLES-ISSUE NO. 06
FD/445/001	2	EMC COMPLIANCE REPORT - OSC COMMS & SURVEILLANCE SYSTEM
FD/445/002	0	EMC COMPLIANCE REPORT - EDI
FD/445/003	0	EMC COMPLIANCE REPORT - IDI (SINGLE SIDE)
FD/57/181	1	AS3837 : 1998 TEST RESULTS SEAT CUSHION TEST - 25KW2 (WITH MOISTURE BARRIER)
FD/57/182	1	AS3837 : 1998 TEST RESULTS SEAT BACK TEST - 35KW2 (WITHOUT MOISTURE BARRIER)
FD/57/183	0	AS1530.3 TEST RESULTS BOND BB HOOP PINE 12MM PLY PLYWOOD - FIRE RETARDANT
FD/57/184	0	AS3837 : 1998 TEST RESULTS GLASS FIBRE REINFORCED PANEL - PROD-07 OPTION 1B 50KW2
FD/57/186	0	AS3837 FIRE TEST ON PRODUCTION MATERIAL VINYL HEADREST TO 35KW/M2 IRRADIANCE
GED/30180/REP.2182	0	TYPE TEST FROM DELLNER COUPLERS
GED/45500/REP.1988	0	TEST REPORT ON 16MM EDGE DISTANCE FOR SPOT WELDS
GED/45500/REP.2423	0	ROOF IMPACT TESTING TEST REPORT
GED/45500/REP.2451	0	TYPE TEST REPORT FOR PEEL TESTING OF FLOORING ASSEMBLY ON THE OSC
GED/45500/REP.2546	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR FE038-92 CLAUSE 4.1 (A) - THREE SEAT WALKOVER ASSEMBLY
GED/45500/REP.2547	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR FE038-92 CLAUSE 4.1 (B) - THREE SEAT WALKOVER ASSEMBLY
GED/45500/REP.2548	0	TYPE QUALIFICATION TEST FOR FE038-92 CLAUSE 4.1 (C) - MEMORY SEAT
GED/45500/REP.2549	0	TYPE QUALIFICATION TEST FOR FE038-92 CLAUSE 4.1 (D) - MEMORY SEAT
GED/45500/REP.2550	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR FE038-92 CLAUSE 4.1 (E) - THREE SEAT WALKOVER ASSEMBLY.
GED/45500/REP.2551	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR FE038-92 CLAUSE 4.1 (F) - THREE SEAT WALKOVER ASSEMBLY.

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Doc No.	Rev	Title
GED/45500/REP.2552	0	PART 1 & PART 2 TYPE (QUALIFICATION) TEST FOR FE038-92 CLAUSE 4.1 (G) - THREE SEAT WALKOVER ASSEMBLY.
GED/45500/REP.2552	1	PART 1 & PART 2 TYPE (QUALIFICATION) TEST FOR FE038-92 CLAUSE 4.1 (G) - THREE SEAT WALKOVER ASSEMBLY ON OSC AND HRC
GED/45500/REP.2553	0	TEST REPORT TYPE (QUALIFICATION) TEST PART A FOR FE038-92 CLAUSE 4.1 (H) - THREE SEAT WALKOVER ASSEMBLY.
GED/45500/REP.2554	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR FE038-92 CLAUSE 4.1 (I) - THREE SEAT WALKOVER ASSEMBLY.
GED/45500/REP.2554	A	TEST REPORT TYPE (QUALIFICATION) TEST FOR FE038-92 CLAUSE 4.1 (I) - THREE SEAT WALKOVER ASSEMBLY AND SINGLE SEAT WALKOVER ASSEMBLY ON THE OSC AND HRC
GED/45500/REP.2555	0	TYPE QUALIFICATION TEST FOR GED/45500/SPN.015 CLAUSE 3.2.2.6 & 3.2.3.2 OPERATING FORCE & CYCLIC TESTING - MEMORY SEAT
GED/45500/REP.2555	A	TEST REPORT TYPE QUALIFICATION TEST FOR GED/45500/SPN.015 CLAUSE 3.2.2.6 & 3.2.3.2 OPERATING FORCE & CYCLIC TESTING - MEMORY SEAT ON THE OSC
GED/45500/REP.2557	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR FE038-92 CLAUSE 4.2 (A) - THREE SEAT WALKOVER ASSEMBLY.
GED/45500/REP.2558	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR FE038-92 CLAUSE 4.2 (B) & (C) - THREE SEAT WALKOVER ASSEMBLY
GED/45500/REP.2559	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR RAILCORP SPECIFICATION CLAUSE 3.6.1.1.6 FOR BOTH C03005 AND C02391 PART A THREE SEAT WALKOVER ASSEMBLY.
GED/45500/REP.2560	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR FE103-99 SETION 4 - THREE SEAT WALKOVER ASSEMBLY FIXED TRANSVERSE SEAT
GED/45500/REP.2560	1	TEST REPORT TYPE (QUALIFICATION) TEST FOR FE103-99 SETION 4 - THREE SEAT WALKOVER ASSEMBLY FIXED TRANSVERSE SEAT ON OSC
GED/45500/REP.2710	0	TYPE QUALIFICATION TEST FOR FE038-92 CLAUSE 4.1 (C) - THREE SEAT WALKOVER ASSEMBLY
GED/45500/REP.2711	0	TEST QUALIFICATION TEST FOR FE038-92 CLAUSE 4.1 (D) - THREE SEAT WALKOVER ASSEMBLY
GED/45500/REP.2717	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR WATER INGRESS TEST FOR OSC & HRC
GED/45500/REP.2718	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR GENERAL VANDALISM ON SEATING MATERIALS ON THE OSC AND HRC
GED/45500/REP.2722	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR GENERAL GRAFFITTI SEATING MATERIALS
GED/45500/REP.2722	A	TEST REPORT TYPE (QUALIFICATION) TEST FOR GENERAL GRAFFITTI SEATING MATERIALS ON OSC AND HRC
GED/45500/REP.2726	0	G.JAMES WINDSCREEN IMPACT TEST REPORT
GED/45500/REP.2739	0	TEST REPORT COMMISSIONING & VERIFICATION TEST FOR FUNCTIONALITY OF TRAIN SAFETY EQUIPMENT
GED/45500/REP.2745	0	TYPE TEST REPORT FOR TS.53 GAUGE CLEARANCE, COUPLER & FLOOR HEIGHT ON OSC
GED/45500/REP.2756	0	TEST REPORT TYPE QUALIFICATION FOR COUPLER OPERATIONAL GEOMETRY ON OSC
GED/45500/REP.2757	0	TEST REPORT TYPE QUALIFICATION FOR GANGWAY JUMPER CABLE CLEARANCE ON OSC
GED/45500/REP.2757	A	TEST REPORT TYPE (QUALIFICATION) FOR GANGWAY JUMPER CABLE CLEARANCE ON OSC
GED/45500/REP.2758	1	TEST REPORT COMMISSIONING & VERIFICATION TEST FOR FUNCTIONALITY OF TRAIN EQUIPMENT
GED/45500/REP.2758	2	TEST REPORT COMMISSIONING & VERIFICATION TEST FOR FUNCTIONALITY OF TRAIN EQUIPMENT
GED/45500/REP.2760	0	TEST REPORT PRODUCTION & VERIFICATION TESTING STATIC BRAKE
GED/45500/REP.2764	0	TEST REPORT TYPE QUALIFICATION TEST FOR RAIL TO RAIL ELECTRICAL RESISTANCE ON OSC
GED/45500/REP.2766	0	TEST REPORT TYPE QUALIFICATION TEST FOR AUTODROP FEATURE ON THE PANTOGRAPH ON OSC
GED/45500/REP.2772	0	GLASSFORM DETRAINMENT DOOR IMPACT TESTING FOR OSC
GED/45500/REP.2773	0	WATER TIGHTNESS TESTING OF ELECTRICAL BOXES
GED/45500/REP.2783	B	TEST REPORT TYPE (QUALIFICATION) TEST FOR SHOCK & VIBRATION TESTING OF BATTERIES ON OSC
GED/45500/REP.2785	0	DYNAMIC GLAZING RETENTION TEST RESULTS FOR OSC
GED/45500/REP.2786	0	GLASSFORM EXTERIOR GRP IMPACT TESTING RESULTS
GED/45500/REP.2790	0	TEST REPORT PRODUCTION TEST FOR STATIC EP AND AUTOMATIC BRAKE TEST IN CRUSH CONDITION ON OSC
GED/45500/REP.2792	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR WATER TIGHTNESS OF ELECTRICAL BOXES ON OSC
GED/45500/REP.2794	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR VIGILANCE SYSTEM SET 1 ON OSC
GED/45500/REP.2824	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR ELECTROMAGNETIC INTERFERENCE TESTS TO EN 50121-3-1:2000 ON OSC

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Doc No.	Rev	Title
GED/45500/REP.2828	0	TEST REPORT TYPE TEST FOR TOWN AND COUNTRY HORNS ON OSC
GED/45500/REP.2830	0	TYPE TEST REPORT (QUALIFICATION) TEST FOR VIGILANCE CONTROL ON OSC
GED/45500/REP.2830	A	TYPE TEST REPORT (QUALIFICATION) TEST FOR VIGILANCE CONTROL ON OSC
GED/45500/REP.2832	0	TEST REPORT TYPE AND VERIFICATION FOR DYNAMIC BRAKE TEST ON OSC
GED/45500/REP.2855	0	TEST REPORT FOR PASSENGER DOOR STRENGTH REQUIREMENTS ON THE OUTER SUBURBAN CARS OSCAR FOR RAILCORP
GED/45500/REP.2856	0	TEST REPORT FOR PASSENGER DOOR POWER CONSUMPTION TEST ON THE OUTER SUBURBAN CARS FOR RAILCORP
GED/45500/REP.2858	0	TEST REPORT FOR PASSENGER DOOR WATER REISTANCE TEST ON THE OUTER SUBURBAN CARS FOR RAILCORP
GED/45500/REP.2863	0	TEST REPORT FOR PASSENGER DOOR ROLL OVER TEST ON THE OSC
GED/45500/REP.2864	0	TEST REPORT FOR PASSENGER DOOR SUPERELEVATION TEST ON THE OSC
GED/45500/REP.2872	0	TEST REPORT FOR PASSENGER DOOR DELAY TIME TEST.
GED/45500/REP.2881	0	TEST REPORT FOR PASSENGER DOOR TYPE TEST ON THE OSC
GED/45500/REP.2882	0	TEST REPORT FOR CAB DOOR TYPE TEST ON THE OSC
GED/45500/REP.2883	0	TEST REPORT FOR CAB DOOR SUPERELEVATION TEST ON OSC
GED/45500/REP.2884	0	TEST REPORT FOR CAB DOOR TEST WITH LOADS FROM PASSENGERS ON THE OSC
GED/45500/REP.2885	0	TEST REPORT FOR INTERCAR DOOR POWER CONSUMPTION TEST ON THE OSC
GED/45500/REP.2886	0	TEST REPORT FOR INTERCAR DOOR DELAY TIME TEST ON THE OSC
GED/45500/REP.2887	0	TEST REPORT FOR CAB DOOR CLOSING FORCES ON THE OSC
GED/45500/REP.2892	A	TEST REPORT FOR INTERCAR DOOR FIRE RESISTANCE TEST ON THE OSC
GED/45500/REP.2893	0	TEST REPORT TYPE (QUALIFICATION) FOR CREW TRANSVERSE DOOR
GED/45500/REP.2913	0	TEST REPORT FOR INTERCAR DOOR CLOSING FORCES ON THE OSC
GED/45500/REP.2934	0	TEST REPORT TYPE QUALIFICATION TEST FOR CLIMATE CONTROL SYSTEM AIRFLOWS
GED/45500/REP.2940	0	TEST REPORT TYPE TEST FOR DRIVER AND PASSENGER SENSED VIBRATION ON OSC
GED/45500/REP.2957	0	TEST REPORT FOR OVERBOARD AIR VENTS AND GRILLES TYPE TEST ON OSC
GED/45500/REP.2958	0	TEST REPORT BATTERY BOX DOOR BALLISTIC TEST ON THE OSC
GED/45500/REP.2959	0	TEST REPORT CANOPY GRP MAJOR REPAIR BALLISTIC TEST ON OSC
GED/45500/REP.2986	C	TYPE TEST REPORT TYPE (QUALIFICATION) TEST FOR PROPULSION SYSTEM MEA EQUIPMENT ON OSC
GED/45500/REP.2989	0	TEST REPORT FOR WITNESS TYPE TEST OF TRAIN OPERATING SYSTEM (TRAIN SET 1)
GED/45500/REP.2992	0	TEST REPORT TYPE QUALIFICATION TEST FOR CLIMATE CONTROL SYSTEM PASSENGER AND CREW ENVIRONMENT
GED/45500/REP.2993	0	TEST REPORT TYPE QUALIFICATION TEST FOR CLIMATE CONTROL SYSTEM FUNCTIONALITY
GED/45500/REP.3003	A	TEST REPORT TYPE (QUALIFICATION) TEST FOR STATIC DC FLUX MEASUREMENT ON OSC H1
GED/45500/REP.3027	A	TEST REPORT FOR GROUND-BORNE VIBRATION ON OSC
GED/45500/REP.3028	0	TEST REPORT DEVELOPMENT TEST FOR LOSS OF MAIN POWER ON THE OSC
GED/45500/REP.3029	0	TYPE TEST REPORT VIBRATION TYPE TESTING FOR PASSENGER, CREW AND INTERCAR DOORS ON THE OSC
GED/45500/REP.3030	B	TEST REPORT FOR TYPE TEST OF TOS BRAKES INTERFACE ON OSC
GED/45500/REP.3031	A	TEST REPORT FOR TYPE TEST OF TOS CLIMATE CONTROL SYSTEM INTERFACE ON OSC (TRAIN SET 1)
GED/45500/REP.3032	A	TEST REPORT FOR TYPE TEST OF TOS ELECTRICAL AUXILIARY POWER SYSTEM INTERFACE ON OSC (TRAIN SET 1)
GED/45500/REP.3034	A	TEST REPORT FOR TYPE TEST OF TOS TRACTION INTERFACE ON OSC (TRAIN SET 1)
GED/45500/REP.3035	0	LOAD DEVELOPMENT TESTING OF THE PORTABLE DETRAINMENT RAMP FOR OSC
GED/45500/REP.3036	A	TEST REPORT FOR TYPE TEST OF TOS COMMUNICATIONS SYSTEM INTERFACE ON OSC
GED/45500/REP.3037	A	TEST REPORT FOR TYPE TEST OF TOS SURVEILLANCE SYSTEM INTERFACE ON OSC (TRAIN SET 1)
GED/45500/REP.3038	A	MAINTAINABILITY REPORT FOR REPLACEMENT OF DOOR DRIVE MECHANISMS ON THE OSC
GED/45500/REP.3043	D	TYPE TEST REPORT FOR INTERNAL NOISE ON THE OSC
GED/45500/REP.3051	0	TYPE TEST REPORT FOR DYNAMIC LOAD TEST OF CARBODY ON OSC
GED/45500/REP.3052	0	TEST REPORT FOR TYPE TEST OF TOS DOORS INTERFACE ON OSC (TRAIN H1)
GED/45500/REP.3052	A	TEST REPORT FOR TYPE TEST OF TOS DOORS INTERFACE ON OSC
GED/45500/REP.3053	B	TYPE TEST REPORT FOR EXTERNAL NOISE ON OSC
GED/45500/REP.3056	0	TEST REPORT FOR CREW CAB CANOPY ATTACHMENT TESTING ON OSC
GED/45500/REP.3069	A	TEST REPORT PASSENGER FLOW TESTING UNLOADING THROUGH PASSENGER DOORS ON THE OSC
GED/45500/REP.3073	A	TYPE TEST REPORT FOR CURVED TRACK SWING TESTING ON OSC
GED/45500/REP.3078	0	TEST REPORT INVESTIGATION TEST FOR VIGILANCE UNITS ON H1 AND H3 ON OSC
GED/45500/REP.3083	0	TEST REPORT TYPE TEST FOR SMOKE DETECTOR ALARM LEVELS ON OSC
GED/45500/REP.3084	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR RAIL TO RAIL ELECTRICAL RESISTANCE ON OSC H6

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Attachment 4 - UGL Rail and foreign type test reports

Doc No.	Rev	Title
GED/45500/REP.3096	C	TEST REPORT TYPE QUALIFICATION TEST FOR OPERATIONAL REQUIREMENTS FOR COUPLERS
GED/45500/REP.3097	A	TEST REPORT TYPE TEST FOR IN SITU TRIPLE FIXED PASSENGER SEATS TO FE038-92 SECTION 4.1 (D) ON OSC
GED/45500/REP.3098	0	TEST REPORT TYPE TEST FOR IN SITU TRIPLE FIXED PASSENGER SEATS TO FE038-92 SECTION 4.1 (C) ON OSC
GED/45500/REP.3102	A	TEST REPORT FOR THE INTERNAL TEMPERATURE PULL-UP TYPE (QUALIFICATION) TESTS FOR THE CLIMATE CONTROL SYSTEM ON OSC
GED/45500/REP.3107	0	CLAUSE BY CLAUSE COMMENTARY OF SPECIFICATION RSP-05-01-05-01-1-2005 FOR THE OPERATOR ENABLE PEDAL FOR OSC
GED/45500/REP.3110	0	TYPE TEST REPORT (DEVELOPMENT) TEST FOR VIGILANCE CONTROL ON CAR SET H3 OSC
GED/45500/REP.3112	0	FINITE ELEMENT ANALYSIS OF THE OSC STAGE 1 - 2.48 MN COUPLER BOLT LOADS
GED/45500/REP.3114	A	TEST REPORT TYPE TEST FOR IN SITU MEMORY PASSENGER SEATS TO FE038-92 SECTION 4.1 (C) ON THE OSC
GED/45500/REP.3115	A	TEST REPORT TYPE TEST FOR IN SITU MEMORY PASSENGER SEATS TO FE038-92 SECTION 4.1 (D) ON THE OSC
GED/45500/REP.3117	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR TWO-SEAT WALKOVER FORCE ON HRC AND OSC - CONTAINS RPC REPORT J1193-7-1105
GED/45500/REP.3126	A	TEST REPORT TYPE VERIFICATION TESTING OF STATIC BRAKE ON THE OSC CAR SET NO. H3 (RETEST, MODIFICATION & DELTA TESTS)
GED/45500/REP.3139	0	TEST REPORT: JAWS OF LIFE DEMONSTRATION CREW & INTERCAR DOORS ON OSC
GED/45500/REP.3164	0	TEST REPORT - TYPE TEST FOR STRUCTURAL INTEGRITY OF CREW WORKSTATIONS UNDER 120 KG LOAD ON OSC
GED/45500/REP.3180	0	TETS REPORT CREW BODYSIDE DOOR STRAIN GAUGE TYPE TEST ON OSC
GED/45500/REP.3232	0	TEST REPORT TYPE TEST FOR 8 CAR SET GROUND BORNE VIBRATION ON OSC
GED/45500/REP.3240	A	TEST REPORT TYPE TEST FOR EIGHT CAR NOISE ON THE OSC
GED/45500/REP.3379	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR LIGHTING AND CONTROL BATTERY CAPACITY ON THE OSC (TRAIN H4)
GED/45500/REP.3447	0	TYPE TEST REPORT FOR WATER TIGHTNESS OF INTERIOR EQUIPMENT CUPBOARDS ON THE OSC
GED/45500/REP.3570	B	TYPE TEST REPORT OF SPRING APPLIED PARK BRAKES ON THE OSC 8 CARS SET NOS. H1 & H14
GED/45500/REP.3600	0	TEST REPORT FOR HEARING LOOP MEASUREMENTS ON THE OSC
GED/45500/REP.3606	0	TYPE TEST REPORT OF BRAKES IN STATIC & TARE CONDITION ON 8 CARS SET (CAR SET NOS. H1 & H14) ON THE OSC
GED/45500/REP.3607	0	TEST REPORT TYPE (QUALIFICATION) IN CAR (ICTT) TEST FOR OPERATOR ENABLE PEDAL ON THE OSC (OD6921)
GED/45500/REP.3619	0	TEST REPORT FOR TYPE (QUALIFICATION) TESTS FOR INTERNAL TEMPERATURE PULL-DOWN FOR THE CLIMATE CONTROL SYSTEM ON THE OSC
GED/45500/REP.3649	0	TEST REPORT FOR TYPE TEST DEFLATED AIR BAG DETECTION LIMIT SWITCH FOR OSC (SET H7)
GED/45500/REP.3651	0	TEST REPORT FOR OPERATOR ENABLE PEDAL - V2 TYPE TEST AND IN-CAR TYPE TEST ON THE OSC (TRAIN H7)
GED/45500/REP.3828	0	TYPE TEST REPORT FOR TRIP GEAR INDICATION TO TOS ON THE OSC
GED/45500/REP.4058	0	TEST REPORT TYPE (QUALIFICATION) TESTS FOR PASSENGER AND CREW INTERNAL ENVIRONMENT FOR THE CLIMATE CONTROL SYSTEM ON THE OSC
GED/45500/REP.4221	A	TEST REPORT TYPE (QUALIFICATION) TEST FOR COMMERCIAL RADIO ON THE OSC
GED/45500/REP.4299	00	TYPE (QUALIFICATION) TESTS IN COLD AMBIENT FOR PASSENGER AND CREW INTERNAL ENVIRONMENT FOR THE CLIMATE CONTROL SYSTEM ON THE OSC
GED/45500/REP.4548	00	TYPE TEST REPORT FOR HEARING LOOP ON THE OSC
GED/45600/REP.2719	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR STATIC WHEEL UNLOADING ON MOTOR CAR TYPE 'C' ON THE OUTER SUBURBAN CARS
GED/45600/REP.2732	A	STATIC VEHICLE WEIGH TEST
GED/45600/REP.2735	A	BOGIE SWING CLEARANCE ON MC1 ON THE OUTER SUBURBAN CARS
GED/45600/REP.2736	A	BOGIE SWING TEST ON MC2 ON THE OUTER SUBURBAN CARS
GED/45600/REP.2737	A	BOGIE SWING TEST ON TC1 ON THE OUTER SUBURBAN CARS
GED/45600/REP.2742	A	STATIC VEHICLE WEIGH TEST MC3
GED/45600/REP.2862	C	KINEMATIC OUTLINE (DYNAMIC) TEST FOR OUTER SUBURBAN CAR
GED/45600/REP.2938	A	TEST REPORT RIDE PERFORMANCE OF OSC
GED/45600/REP.2955	0	DYNAMIC STRAIN GAUGE TESTING FOR OSC BOGIE
GED/47500/REP.3293	0	TEST REPORT FOR OPENING OF THE CREW CAB TRANSVERSE DOOR UNDER CARBODY SHELL TWIST ON OSC
GED/47500/REP.3305	0	TEST REPORT STATIC OUTLINE GAUGE TYPE TEST FOR THE OSC
GED/47500/REP.3571	0	TEST REPORT FOR GUARD'S AUDIBLE INDICATOR DEVICE (GAID) (TRAIN SET H14)
GED/47500/REP.3598	0	TYPE TEST REPORT COMMUNICATIONS & SURVEILLANCE SYSTEM ON THE OSC (TRAIN SET H14)
GED/47500/REP.3717	0	TYPE TEST REPORT FOR INTERNAL NOISE ON THE OSC (TRAIN SET H14)
GED/47500/REP.3718	0	TYPE TEST REPORT FOR EXTERNAL NOISE ON THE OSC (TRAIN SET H14)

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Attachment 4 - UGL Rail and foreign type test reports

Doc No.	Rev	Title
GED/47500/REP.3795	0	TEST REPORT TYPE TEST FOR DRIVER AND PASSENGER SENSED VIBRATION (SET H15) ON THE OSC
GED/47500/REP.3827	0	TEST REPORT TYPE (QUALIFICATION) TEST FOR WATER TIGHTNESS OF ELECTRICAL BOXES - STAGE 2 ON OSC
GED/47500/REP.3832	00	TEST REPORT VERIFICATION TYPE TESTING OF BRAKES IN DYNAMIC CONDITION ON THE OSC - STAGE 2 (OSC) 8 CAR SET - CAR SET NOS H1 & H14
GED/47500/REP.3833	0	TYPE (QUALIFICATION) TESTS FOR 1500N TESTING VANDAL LOAD TESTING OF THE TOILET DOOR MODULE ON THE OSC (H12)
GED/47500/REP.3836	00	VERIFICATION TYPE TESTING OF BRAKES IN DYNAMIC CONDITION ON THE OSC CAR SET NO. H14 (STAGE 3)
GED/47500/REP.4101	A	TYPE TEST REPORT FOR COMMUNICATIONS SOUND LEVELS ON THE OSC (H14, H28)
GED/47500/REP.4242	0	TYPE TEST REPORT TYPE TEST (QUALIFICATION) TEST FOR STAGE 3 TESTING OF THE PROPULSION SYSTEM MEA EQUIPMENT ON THE OSC
GED/47500/REP.4566	00	TYPE TEST REPORT FOR ACTIVE DAMPER TRACK TRIALS NOV 08
GED/47600/REP.3307	A	STATIC WHEEL UNLOADING TYPE TEST STAGE 2 ON THE OUTER SUBURBAN MOTOR CAR TYPE C
GED/47600/REP.3308	A	STATIC WHEEL UNLOADING TYPE TEST STAGE 2 ON THE OUTER SUBURBAN MOTOR CAR TYPE B
GED/47600/REP.3309	A	STATIC WHEEL UNLOADING TYP TEST STAGE 2 ON THE OUTER SUBURBAN TRAILER CAR
GED/47600/REP.3374	0	KINEMATIC ROLLINGSTOCK OUTLINE TEST (STATIC) FOR THE OUTER SUBURBAN MOTOR CAR TYPE B STAGE 2
GED/47600/REP.3375	0	KINEMATIC ROLLINGSTOCK OUTLINE TEST (STATIC) FOR THE OUTER SUBURBAN MOTOR CAR TYPE C STAGE 2
GED/47600/REP.3376	0	KINEMATIC ROLLINGSTOCK OUTLINE TEST (STATIC) FOR THE OUTER SUBURBAN TRAILER CAR STAGE 2