

Annex 1 – OSIT Interface Test (Typical)

S/N	Title
	Trainborne Signalling Interface Test Lead Contractor – Signalling Participating Contractor – Rolling Stock
1	Emergency Brake
2	Driving modes monitoring
3	Selection of the active console
4	Speed measurement
5	Traction and braking control
6	Zero velocity monitoring
7	Set a route
8	Over-speed
9	Train stopping accuracy
10	Door operation
11	Forward and Reverse Jog function
12	Signal Blocking
13	Positive Train ID
14	TIMS Output Remote Control
15	Train Degraded Mode
16	Train-borne alarms test
17	Rolling Stock characterisation
18	Others, to be advised by lead and participating Contractors
	Trainborne Communications Interface Test Lead Contractor – Rolling Stock Participating Contractors – Signalling and PSD, Communications
19	Broadcast live and pre-recorded Train PA by driver



20	Train-borne PA triggering events (include door close warning chime control)
21	TTIS/DRMD triggering events
22	Display pre-stored TTIS text message by driver
23	PEC activation and voice quality by driver
24	Others, to be advised by lead and participating Contractor
	OCC ISCS Integrated Tests Lead Contractor – Communications Participating Contractors – Rolling Stock, Signalling and PSD, ISCS
25	Train-borne PA live and pre- recorded activation by PSC/OCC
26	Display ad-hoc and pre- stored TTIS text message by PSC/OCC
27	Train-borne Video Surveillance System triggering events
28	Clock transmission and synchronisation
29	OCC VSS/TVSS Failover
30	Others, to be advised by lead and participating Contractors



Annex 2 – OSIT Functional and Operational Tests (Typical)

S/N	Title
	Lead Contractor – Signalling and PSD Participating Contractors – Rolling Stock, ISCS and Communications
1	Train wake-up/sleep sequence
2	Train Table Transmission to OCC
3	Readiness mode management
4	Train arriving/departing at platform
5	Turnaround of a Train at a platform
6	Skip-stop for a Train
7	Change of end request
8	Normal automatic mode
9	Creep mode control
10	Trains movement control
11	Train and station hold
12	Door Inhibition management
13	Passenger exchange management
14	Critical Alarm
15	Degraded mode and alarm path
16	STIS Display Management
17	Others, to be advised by lead and participating Contractors
	Lead Contractor – Communications Participating Contractors – Rolling Stock, Signalling and PSD and ISCS
18	Train-borne Video Surveillance System management
19	OCC to Train Communications during ATS-ISCS link lost
20	OCC ISCS Handover rights to PSC
21	OCC Radio Failover and Handover to PSC
22	Cab to OCC Communication
23	Others, to be advised by lead and participating Contractors



	Lead Contractor – Rolling Stock Participating Contractors – Signalling and PSD, ISCS and Communications
24	PEC activation management and voice quality by OCC/PSC
25	Train PA management
26	TTIS management
27	SDS transmission in change area scenario
28	Couple Train communication integrated test
29	Communication tests during Train degraded mode
30	Response time of PEC, PMD CMD and CA/NCA
31	Train-borne fire and smoke detection
32	Traction interlock with activated PEC
33	Others, to be advised by lead and participating Contractors



Annex 3 – OSIT Safety Test (Typical)

S/N	Title
	Lead Contractor – Signalling and PSD Participating Contractors – Rolling Stock, ISCS and Communications
1	Train safe separation for automatic and manual modes
2	Emergency brake command to Train
3	Routes interlocking
4	Application of temporary speed restriction
5	Inhibit Train movements due to PSD/Train doors unexpected opening
6	Coupling detection
7	Others, to be advised by lead and participating Contractors
	Lead Contractor – Rolling Stock Participating Contractors – Rolling Stock, ISCS and Communications
8	Train obstacle detection with alarm to OCC
9	Train and signalling data monitoring
10	Saloon doors monitoring and control
11	Others, to be advised by lead and participating Contractors



Annex 4 – OSIT Performance Test (Typical)

S/N	Title
	Lead Contractor – Signalling and PSD Participating Contractors – Rolling Stock, ISCS and Communications
1	Timetable management
2	Stopping accuracy
3	Response Time
4	Passenger Communication
5	Carousel test
6	Others, to be advised by lead and participating Contractors