
Inspection and Testing Plan

<i>{Insert Project Name}</i>	
<i>{Insert Plan Title (If more than one plan is required)}</i>	
I&T Plan No. <i>{Insert.}</i>	File No. <i>{Insert}</i>

Prepared by: Commissioning Manager	<i>{Insert Name}</i>
Date:	<i>{Insert Date}</i>

Reviewed and Approved by:
See Authorisation of Inspection and Testing Strategy, Outline Plan and Detailed Plan in Parts 1, 2 and 3

Date of issue:	Revision:	Copy Number:
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Part 1: Inspection and Testing Strategy

Inspection and Testing Strategy Details

Project Name:

Inspection and Testing Plan No:

Commissioning Manager:

Date:

Prepared by:

Name:

Position:

Signature:

Date:

Inspection and Testing Strategy Details (continued)

Section 1:	Implementation Strategy:
Section 2:	Inspection and Testing Strategy including requirements from the Scope of Works, Project Work Interface Agreement and the Interface Coordination Plan
Section 3:	Quality Assurance Strategy including requirements from the Scope of Works, Project Work Interface Agreement and the Interface Coordination Plan:
Section 4:	Interface and Stagework requirements:
Section 5:	Scope, methodologies and access limitations for inspection and testing of interface work:
Section 6:	Scope, methodologies and responsibilities at commissioning – interlocking and design Integrity testing:
Section 7:	Practices to be used to confirm the condition of existing signalling:
Section 8:	Signalling Safeworking and relocation or removal of infrastructure requirements:
Section 9:	Provisions to ensure that no ambiguity exists regarding the signalling system in use:
Section 10:	Possession and Worksite Protection requirements:
Section 11:	Inspection and testing personnel requirements:
Section 12:	Organisation Chart for inspection and testing program
Section 13:	Access requirements or restrictions:
Section 14:	Requirements for the coordination with other works:
Section 15:	Test equipment and site communication requirements
Section 16:	Training and accreditation requirements:
Section 17:	Special requirements:
Section 18:	Schedule of reviews and approvals:
Section 19:	Complete the Quality and Inspection & Testing Strategy Check Lists:

Quality Assurance Strategy

(including – Notification [N], Witness [W] and Hold Points [H])

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Number(s) / Location	Activity Type	Activity Details	N / W / H	Activity Details	N / W / H
e.g. Foundations: Signal No: Ground Frame: Telephone: Other:	Design Control Activities	Verify construct drawings		Pre-Site Testing	
	Process Inspections	Excavation		Supplier Inspection	
		Pre-pour		Delivery Inspection	
		Backfill		Methodology	
Client Requirements			3 rd Party Requirements		
Cable Routes: Buried. From to G.S.T. From to G.L.T. From to Pits Turning Chambers:	Design Control Activities	Verify construct drawings		Pre-Site Testing	
	Process Inspections	Excavation		Supplier Inspection	
		Pre-pour		Delivery Inspection	
		Backfill		Methodology	
Client Requirements			3 rd Party Requirements		
Trackside Installation: Cabling / jointing. Track circuit. Level Crossing. Other:	Design Control Activities	Verify construct drawings		Pre-Site Testing	
	Process Inspections	Excavation		Supplier Inspection	
		Pre-pour		Delivery Inspection	
		Backfill		Methodology	
Client Requirements			3 rd Party Requirements		
Locations: Base. Cabinet. Earth mat. Other:	Design Control Activities	Verify construct drawings		Pre-Site Testing	
	Process Inspections	Excavation		Supplier Inspection	
		Pre-pour		Delivery Inspection	
		Backfill		Methodology	
Client Requirements			3 rd Party Requirements		
Signalling Equipment: Signals: Points: Relays. Track Circuit Equipment. Equipment Racks. Power Supply / Surge.	Design Control Activities	Verify to design drawings		Pre-Site Testing	
	Process Inspections	Relay Testing		Supplier Inspection	
		Storage/Transport		Delivery Inspection	
				Methodology	
	Others				

Inspection and Testing Strategy Check List

System/Apparatus	Design Control			Site Integrity Agreement	Accept Testing of Equipment	Inspection of Apparatus		Circuit Testing	Apparatus Function Testing	System Function Testing
	Correlation of Existing to Design	Document Status Control	Document Certification			General	Warding Indexing Pin Coding			
1	Train Describer									
2	Remote Control Panel									
3	Remote Diagram									
4	Telemetry System (control, ind.)									
5	Local Control Panel									
6	Local Diagram									
7	Communications External (voice/data) Local									
8	Interlocking									
9	Distributed Controls									
10	Interfaces At limit of work Within limit of work									
11	Distributed Indications/Data Capture									
12	Electrical Power Supply Distribution									
13	Cable Routes									
14	External Cabling									
15	Locations Earthing/Surge protection DC Power Supplies Local AC Power Supplies Relays Wires/Cables/Terminals Structure									
17	Trackside Apparatus Signals Train Stops Points Releasing Arrangements Track Circuits Level Crossings Indicators/Notice Boards Safeworking phones									
18	Mechanical Ground Frames									

Part 2: Inspection and Testing Outline Plan

Project Name:

Inspection and Testing Plan No:

Commissioning Manager:

Date:

Prepared by:

Name:

Position:

Signature:

Date:

Approved by:

Name:

Position:

Signature:

Date:

Part 3: Inspection and Testing Detailed Plan

Project Name:

Inspection and Testing Plan No:

Commissioning Manager:

Date:

Prepared by:

Name:

Position:

Signature:

Date:

Approved by:

Name:

Position:

Signature:

Date:

