

**Schedule 3
Specification**

TransPlant

Wagon Overhaul Technical Specification Spoil and Ballast Wagons (S&B) “Turbot”

Ref: JNP-TPF-SPC-00010

Issue 2 27/11/17

REQUIREMENTS SPECIFICATION FOR – WAGON OVERHAUL

Prepared by

I confirm that professional skill and care has been used in the preparation of this deliverable and it meets with the project requirements. I also confirm that this deliverable has been checked for accuracy and compliance by a competent person(s) employing check process(es) commensurate with the level(s) of risk inherent to the assets and works

Paul Mushens

Engineer


.....
Signature

27/11/17
.....
Date

Approved by

I approve this deliverable as the designated technical authority for the relevant engineering discipline and am accredited to do so.

Simon Littlefield
Engineering Manager


.....
Signature

27/11/17
.....
Date

Mark Sadler

Asset Manager


.....
Signature

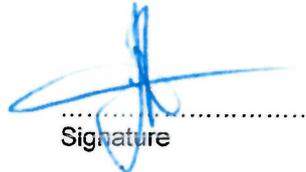
27/11/17
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Date

Accepted by

I accept this deliverable as the person accountable for its delivery and believe to the best of my knowledge that the above entities have undertaken and fulfilled their obligations as required with regard to this product.

John Groves

Project Manager


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Signature

27/11/17
.....
Date

Consulted

Name	Position
Chris Knowles	Engineer
Graham Neil	Rolling Stock Assurance

Document History

Revision	Date	Summary of Change
Draft	13/11/2017	Creation of Technical Requirement
1	20/11/2017	First Issue
2	27/11/2017	Test section added.

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1 Technical Requirements

1.1 General

The purpose of this Requirements Specification is to provide an outline of the Overhaul requirements of the TransPlant Spoil and Ballast Wagons utilised for provision of engineering services and logistics activities within the London Underground network.

The Wagons were procured in 1996 by London Underground from British Railways, originally built during the 1960's the wagons provide for delivery of Ballast into LU network work sites in support of Renewals and maintenance works.

Save where stated otherwise, definitions in this Specification shall have the meaning given in the Conditions of Contract.

The Contractor shall provide efficient and effective Overhaul Services to support the Company's Overhaul of the Wagons.

1.2 Wagon Requirement

The wagons are to be overhauled in accordance with the requirements of this specification. Where indicated materials are provided by TransPlant and, in the case of repairable equipment, logistics and contracts established for the repair items.

All the Wagons are located, for the purposes of this Tender, at Ruislip Depot, West End Road, Ruislip, London, HA4 6NS.

1.3 Applicable Standards

Controlling body	Document No.	Document Description
London Underground	S1180	Standard for Rolling Stock
London Underground	S1085	Fire Performance of Material
London Underground	S1538	Assurance
London Underground	EO.14.06.01	Overhaul of Wheelsets
TransPlant	AIB-UTCS-144	Non Destructive Testing of S&B Wagon Wheelsets
Railway Group Standards	GM/RT 2466	Railway Wheel sets
Railway Group Standards	GM/RC 2495	Recommendations for Railway Wheel set Manufacture & Assembly
Railway Group Standards	GM/RC 2496	Recommendations for Railway Wheel set Maintenance
Railway Group Standards	GM/GN 2498	Guidance for Railway Wheel set Handling
Railway Group Standards	GM/GN 2646	Guidance for Axle Bearing Maintenance
ATOC	WOSS612-10	Wheel set Overhaul Procedure
RSSB	RIS-2701-RST	Rail Industry Standard for NDT Processes on Rail Vehicles
RSSB	RIS-2702-RST	Rail Industry Standard for In-Service Examination and Reference Limits
British Standards	BS EN ISO 9000	Series Documents for Quality Assurance Management
British Standards	BS 5892-6	Railway Rolling Stock Materials (pt6) Specification for Wheel sets for Traction and Trailer Stock
British Standards	BS EN 286-3	Simple Unfired Pressure Vessels Designed to Contain Air or Nitrogen.

Where a reference document listed is at variance with this Specification or in the event of the Contractor finding ambiguity or inconsistency in the interpretation or in the precedence of either the Specification or the reference documents, and then the Contractor shall refer to the Company's Representative for a binding decision on the interpretation.

2 Project Management

2.1 Project Meetings

All meetings between the Contractor and the Company shall be recorded, where possible, within 10 days of the meeting, for review, comment and approval. Upon receipt of comments, if any, the minutes shall be updated and distributed.

The Contractor shall for the Duration ensure that its representatives at all meetings with the Company have delegated power and authority to act on behalf of the Contractor.

The Company's Representative shall have the right to instruct the Contractor to bring a representative of its sub-contractor / supplier to meetings and if so instructed, the Contractor shall use its best endeavours to comply with that instruction.

A Contract meeting is to be held at four weekly intervals or as deemed necessary by the Company's Representative from the Start Date for the Duration. These meetings shall as a minimum be attended by Company and Contractor representative for projects and commercial. Such meetings shall review as a minimum:-

- i) The accuracy and approval of the minutes of the previous meeting;
- ii) Actions from the previous meeting;
- iii) Health, Safety and Environmental;
- iv) Compliance, non-conformances and assurance;
- v) Audits and inspections;
- vi) Commercial – Payments, Variations etc.;
- vii) The Company's and Contractors Organisation;
- viii) Identification of matters in dispute and actions towards resolution;
- ix) Any other items.

A weekly Performance Meeting shall also be convened which shall be attended as a minimum by Company and Contractor representative for projects. Such meetings shall review as a minimum:-

- i) The accuracy and approval of the minutes of the previous meeting;
- ii) Actions from the previous meeting;
- iii) Review of Programme;
- iv) Review of the Contractors planned v actual overhaul
- v) Review of defects and Warranty claims
- vi) Overhaul Float and Spares stock availability and any potential issues

In addition to the above meetings the Contractor shall attend any other meeting as required by the Company's Representative

2.2 Communications, Information and Documents

All recognised communications under this Agreement shall take the form of letters, emails, certificates, delivery notes, drawings, microfilms, purchase orders or minutes of meetings.

The Contractor shall establish procedures to the satisfaction of the Company's Representative for managing sub-contractors and suppliers including the organisation of work and communication between the Contractor and its Sub-Contractors/Suppliers.

2.3 Training and Certification

The Contractors staff are required to hold a job certificate covering the core competencies needed to successfully fulfil their defined role and responsibilities, including any necessary track certification. In addition they shall also hold supplementary licences covering other specific competencies as appropriate for their position.

The Contractor shall control the training, certification and identification of staff competence through appropriate management procedures which will be subject to audit by the Company.