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| Categories and Capabilities |
| Rolling Stock Systems Trials and Asset Works   1. Design, Supply, Install, Commission (Trials) 2. Fleet Roll Out and Support 3. Redesign, Modification, Supply 4. Asset Works / Refurbishment / Overhaul   If the vendor is applying for (A) group categories the vendor must be able to demonstrate the relevant Capabilities from the following list of systems: Rolling Stock Systems (including but not limited to): - Body - Bogie – Intercar Connectors - Door Systems - Braking Systems - Pneumatics (other than braking) – Auxiliary Equipment - Climate Control - Traction Systems - Auxiliary Power Supply - Main Power Supply - Lighting - Indicators, Control & Monitoring Systems - Communications – Water Systems - Catering Equipment - Diesel Engine Systems (Main Engine) |
| Rolling Stock System Design   1. Engineering Concept Design 2. Engineering to Final Design 3. Investigations 4. Design Assessment and Recommendations   If the vendor is applying for (B) group categories the vendor must be able to demonstrate the relevant Capabilities from the following list of systems: Rolling Stock Systems (including but not limited to): - Body - Bogie – Intercar Connectors - Door Systems - Braking Systems - Pneumatics (other than braking) – Auxiliary Equipment - Climate Control - Traction Systems - Auxiliary Power Supply - Main Power Supply - Lighting - Indicators, Control & Monitoring Systems - Communications – Water Systems - Catering Equipment - Diesel Engine Systems (Main Engine) |
| Rolling Stock Engineering Reports – Asset Support Services   1. Scope of Works Development / Cost Estimates 2. Reporting for Repair / Overhaul / Replacement / Modification / Upgrade 3. Condition Assessment Reports and Asset Management Plans 4. Inspection and Testing Regime |
| Rolling Stock Simulation Analysis   1. Structural Integrity Assurance and Analysis 2. Linear and Non Linear Status Analysis and Steady State and Transient Heat Transfer Analysis 3. Fatigue Life Estimation 4. Buckling Analysis 5. Transient Dynamic Behaviour Analysis 6. Spectral and Harmonic Response Analysis |
| Rolling Stock Scientific Services   1. Material Study, Scientific Testing and Metallurgical Assessments 2. Chemical Analysis 3. Non Destructive Testing and Inspections 4. Quality Control and Weld Inspections 5. Corrosion Inspection |
| Rolling Stock System Assurance   1. RAMS (Reliability, Availability, Maintainability, Serviceability) Analysis 2. Risk Analysis 3. Maintenance Optimisation 4. Deterioration Modelling 5. Assurance Inspections |

Rolling Stock Systems

Suppliers that register for Rolling Stock Systems Trials and Asset Works or Rolling Stock System Design are requested to provide an indication of their experience and capability in the below Rolling Stock Systems.

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| Rolling Stock Systems | |
| - Body  - Bogie  - Intercar Connectors  - Door Systems  - Braking Systems  - Pneumatics (other than braking)  - Auxiliary Equipment  - Climate Control  - Traction Systems | - Auxiliary Power Supply  - Main Power Supply  - Lighting  - Indicators, Control & Monitoring Systems  - Communications  - Water Systems  - Catering Equipment  - Diesel Engine Systems (Main Engine) |