Midland Metro Limited
Systems Integration Engineer

Post Title:	Systems Integration Engineer
Department:	Engineering
Location:	Wednesbury Depot
Reporting to:	Matthew Hack
Direct Reports:	None
Role Purpose:	• To update and maintain configuration records for the West Midlands Metro Operations Control Centre (OCC) signalling, control, communications and associated systems • To act as MML technical contact for OCC system upgrades • To manage the tram / trackside communications systems for the current and future West Midlands Metro tram fleets

Role Responsibilities:	• OCC signalling, control and communications systems
	  o Establish baseline configuration of the signalling, control and communications equipment to inform its upgrade and building of the Agility asset register and populating the Document Management System
	  o Understand system structure, hierarchy and dependencies
	  o Provide technical coordination for MML of the control and communications upgrades for the Metro extension works
	  o Act as point of contact within MML for OCC upgrade works
	  o Ensure MML's defined operational and technical requirements are captured and implemented
	  o Ensure control and communications equipment configuration status is accurate and up to date, act as Customer for new documentation
	  o Support testing and commissioning activities
	  o Ensure system changes are managed through the change control process
	  o Support ad hoc upgrades and enhancements
	  o Support maintenance team with fault diagnosis and correction
	• Monitor and report on the status and performance of the following communications systems
	• Atenea system
	  o Act as point of contact within the MML Technical team for Atenea related issues
	  o Maintain configuration records for the purposes of communication (message and VOIP call) using the Atenea system

	- Implement tram multimedia projects and supported tram automated functions - Document fault finding and resolution steps and inform MML technical and maintenance staff of them - Support the use of Atenea for CCTV download - Analyse the operation of the system and recommend and implement technical improvements where these are required. - Dilax APC system - Act as point of contact for Dilax APC related issues - Maintain the Dilax configuration records - Identify diagnostic steps to resolve Dilax data communication faults, find and repair faults - Download manually the on-board Dilax data when required - Document and brief to MML technical and maintenance staff on Dilax fault finding and resolution steps - Update the version and configuration - Monitor performance of Dilax APC system for each tram and report on its availability - Data transport layer - Act as point of contact for communications faults and performance issues (tram fleet and land side) - Work with CAF power and automation, MML ICT and ICT WMCA to improve the performance of the Wi-Fi system - Maintain the system configuration records - Establish a test and monitoring regime for communications - Act as MML Technical Customer for updated 2GT and new 3GT tram to trackside communications systems and support their introduction into service - Other duties - provide Spanish to English translations as required - undertake other duties as may be reasonably required by MML
Training:	- Personal Track Safety (PTS) - Safe working arrangements in the Metro Depot
Health & Safety:	- Bringing to the attention of management promptly any health and safety issues that requires their attention. - Ensuring that all accidents and near misses are reported - Understand and implement at all times safe working arrangements for the systems on the trams - Manage risks arising from engineering change
Decision Making Authority:	N/A
People Management:	N/A
Legislation & Compliance:	The successful applicant will be required to pass a drugs and alcohol test.

Systems Integration Engineer:
Person Specification

Tasks:	Level of Experience	Desirable Or Essential
Work Experience:	• Familiarity with Passenger Service Vehicle on-board ICT systems • Fault finding and repair on electrical/electronic/communication systems • Knowledge of network systems and protocols • Use of Microsoft Office to create and manage records • Working with SQL databases to develop your own queries • Good level of ICT knowledge	Essential
Education:	• To hold a higher education qualification in an Electrical / Electronic / Communication discipline	Essential
Managing People:	• To work alongside other departments within the Company. • To work alongside the Company's stakeholder and partner organisations • To report across and upwards within the organisation and outside	Essential
Communication:	• Must have excellent interpersonal skills • Good communication skills in written and verbal communications.	Essential
Additional Qualities:	• Good attention to detail • Good attention to accuracy	Essential
Personal Attributes:	• To be trustworthy • To be reliable and punctual	Essential
Driving through Change:	• To facilitate and drive change and improvement to tram systems	Essential
Drugs & Alcohol	• To undertake drugs and alcohol testing from time to time in line with current company procedures and policy.	Essential