

JOB DESCRIPTION

Job Title	Digital Ground Base Engineer
Department / Code	Track Systems
Main Purpose of Job	Digital Ground Base (DGB) Installation, testing and operation of Track Systems
Responsible To <i>(Specify who the Post Holder should Report to)</i>	DGB Track Systems Group Manager

Main Duties and Responsibilities

- Deploy, commission, and decommission RF installations around Grand Prix circuits. Working at heights of up to 5m using climbing safety harness.
- First hand support for track side systems including: FIA marshalling, Telemetry, data acquisition and timing as well as paddock systems and F1 team integration.
- Configure and support the systems enabling the distribution of onboard video multicasts and telemetry data to clients.
- Video and data signal analysis, optimising performance and ensuring a clean output.
- Project design, implementation and documentation to the highest standards providing reliable and resilient technical solutions.
- Support and liaise with other departments/customers, to fault-find problems or provide solutions to requests as they arise.
- Take ownership of business areas and operational relationships to act as a point of contact for technical advice, fault reporting and repair feedback.
- Collaboration with stakeholders to create and maximise efficiencies and optimised technical solutions whilst utilising existing available resources.
- Required to ensure the upkeep of equipment list/manifests and liaise with freight department.
- Confident in ordering equipment and consumables required by DGB and liaising with suppliers for equipment repair and servicing.
- Undertaking race event preparatory work and be able to liaise with F1 departments to ensure DGB race planning is completed in adequate time.
- Work with line manager to continually explore the most effective and efficient way of maintaining and managing all technical systems.
- Take ownership of systems to ensure that the design and workflows are continually adapted to meet ever changing business needs and make the most of technical advances.
- Keep abreast of new technologies and developments in relation to BTS systems, including contributing to system design and project team involvement.
- Able to always operate safely in line with company health and safety requirements.

OTHER

- To complete all mandatory training within specified timelines.
- To operate safely at all times in line with Company health and safety requirements.
- To undertake other duties within your capabilities as your Department Manager or Team Manager may assign to you from time to time.

Person Specification

	Essential	Desirable
Qualifications	<ul style="list-style-type: none"> A degree in broadcasting/telecommunication/electronics engineering discipline with actual experience in technical broadcasting/communication systems 	<ul style="list-style-type: none"> Experience undertaking a similar practical role
Experience	<ul style="list-style-type: none"> Working in a busy and challenging environment to achieve specific objectives Working in an effective team Reading, understanding, and working to technical drawings Experience working within a broadcasting or communications environment as an Engineer Experienced in TCP/IP Ethernet networks and configuring switches on a LAN network Proven experience and understanding of technical wiring diagrams Experience of logging and managing incidents in an operational environment Proven history of system design and implementation 	<ul style="list-style-type: none"> Fully competent in OTDR testing, fusion splicing, fibre termination and installation of fibre optic cable Practical experience and competency in using AutoCAD software Previous experience in a system broadcasting technical role
Knowledge & Skills	<ul style="list-style-type: none"> Knowledge of radio frequency technology including COFDM modulation schemes, spectrum analysis, spectrum management Knowledge of fibre optical technologies including the testing, servicing and termination of single/multimode fibre using a variety of connectors. This includes OTDR testing, fusion splicing, fibre termination and installation of fibre optic cable Ability to perform in depth root cause analysis of system workflow and equipment faults and go back to first principles when necessary if faced with an unknown situation A solid understanding of Networking including fibre infrastructure 	<ul style="list-style-type: none"> Fully competent in the use of a radio network analyser and VSWR testing Competent in DVB T and DVB T2 standards and video decoding

	<ul style="list-style-type: none"> • Excellent practical fault-finding skills experience in radio frequency, networking, fibre optics, and/or broadcasting • Working knowledge of MS Windows based applications / systems • Basic knowledge of computer networks • Ability to learn new Technical Systems • A systematic approach to fault finding • Good communication skills; Able to explain information to technical and non-technical audiences 	
Personal Qualities	<ul style="list-style-type: none"> • Ability to work un-supervised • Demonstrated ability to work as part of an effective team • Excellent organisation and time management skills, setting priorities and meeting deadlines. • Smart and presentable • Self-motivated, with a passion for the job, and able to follow tasks through to the end without having to be driven • Able to communicate clearly and remain calm under pressure • Ability to work unaided to perform daily tasks, testing, and small projects on technical systems using approved guidelines. Honesty, initiative, diligence, and attention to detail is expected at all times • Comfortable working at heights • Willingness to work and enhance the qualities and performance within a team 	<ul style="list-style-type: none"> • Proactive nature and willingness to suggest new ways of working within a changing and growing company environment
Other	<ul style="list-style-type: none"> • EU driving license and willingness to drive abroad • Ability to travel • Ability and willingness to work long, unsociable hours, weekends, and some Bank Holidays • Willing to travel frequently to perform an operational role at international circuits 	<ul style="list-style-type: none"> • HGV • Forklift • MEWP

	<ul style="list-style-type: none">• Capable of performing the rig and de-rig duties as required for a DGB team member	
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