
JOB DESCRIPTION

Job Title	CCR Broadcast Transmission Engineer
Department / Code	Track Systems
Main Purpose of Job	To work as part of a team required to commission and maintain the CCR fibre optic network and related equipment for the transfer of video/data/audio/comms during an event.
Responsible To <i>(Specify who the Post Holder should Report to)</i>	CCR Team Manager

Main Duties and Responsibilities

- Optically testing, inspecting and commissioning the CCR fibre optic ring at F1 events using optical test equipment and end-face cleaning procedures.
- Configure and support the CCR transmission system to transport and multiplex client video, Ethernet and optical signals for the broadcast as well as track side systems.
- First hand support for track side systems including: Track cameras, FIA marshalling, Telemetry, data acquisition and timing as well as paddock systems and F1 team integration.
- 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 CCR and liaising with suppliers for equipment repair and servicing.
- Undertaking race event preparatory work and be able to liaise with F1 departments to ensure CCR 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 in system design and project team involvement.

- Able to operate safely at all times 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
Experience	<p>A degree in broadcasting/telecommunication engineering discipline with actual experience in technical broadcasting/communication systems.</p> <p>Experience working within a Broadcasting environment as a Network Engineer or Broadcast Engineer with excellent network knowledge.</p> <p>Experienced in TCP/IP Ethernet networks and configuring switches on a LAN network.</p> <p>Proven experience and understanding of technical wiring diagrams.</p> <p>Experience of logging and managing incidents in an operational environment.</p>	<p>Practical experience and competency in using AutoCAD software.</p> <p>Previous experience in a systems broadcasting technical role.</p> <p>Competence in use of Network monitoring software, a CCNA network certificate or similar and CLI experience would be beneficial for this role.</p>
Knowledge & Skills	<p>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.</p> <p>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.</p>	<p>Fully competent in OTDR testing, fusion splicing, fibre termination and installation of fibre optic cable.</p>

	<p>Excellent practical fault-finding skills in networking, fibre optics, and/or broadcasting.</p> <p>MS Windows literate particularly in Word, and Excel.</p> <p>Proven history of system design and implementation.</p>	
Personal Qualities	<p>Self-motivated, with a passion for the job, and able to follow tasks through to the end without having to be driven.</p> <p>Able to communicate clearly and remain calm under pressure.</p> <p>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.</p> <p>Good communication skills; Able to explain information to technical and non-technical audiences.</p> <p>Willingness to work and enhance the qualities and performance within a team.</p>	<p>Proactive nature and willingness to suggest new ways of working within a changing and growing company environment.</p>
Other	<p>EU driving license and willingness to drive abroad.</p> <p>Willing to travel frequently to perform an operational role at international circuits.</p> <p>Capable of performing the rig and de-rig duties as required for a CCR team member.</p>	