

SATELLITE COMMUNICATIONS SYSTEMS TEST ENGINEER



COMPANY: e2E SERVICES LTD.

JOB REF: RES.006

TYPE OF ROLE: PERMANENT

LOCATION: WELWYN GARDEN CITY, HERTFORDSHIRE & LONDON



Our Company

We have been at the forefront of innovation in the satellite communications industry for two decades, offering to all its stakeholders unrivalled expertise to design, develop and operate state-of-the-art solutions and systems, world-wide. Our portfolio of services and technology know-how covers the entire spectrum of any satellite communication project, from market opportunity sizing and end-user requirements down to ground network development and operations. To both commercial and defence related domains, we also offer unique modular and agile technology to enable a more user-friendly and accessible use of satellite communication resources.

Innovation and ingenuity are the guiding principles of anything we do for our customers. Working with e2E requires a high level of dedication and personal motivation, commitment and a drive to continually seek to improve things but the results our Group has consistently achieved over the years, at personal and team levels, are outstanding and make e2E a great place to work.

Job Description

Our team is involved in establishing the assurance and test programmes for satellite communications networks for both civil and military customers. These networks can involve GEO, MEO and LEO satellite constellation.

We are expanding our team and are seeking a **Satcom Systems Test Engineer** to support the ongoing test programmes that are necessary to ensure mission success. This role will typically require development of the verification/test strategy which encompasses sub-system acceptance, integration and end to end system testing of cutting-edge satellite communications networks.

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The candidate is expected to work closely with e2E's clients through the test campaigns that will precede Communications Service Launch.

Key Responsibilities

- Development and execution of test plans and procedures for complex mobile and fixed satcom networks.
- Development and execution of test cases which incorporate satellite payload, ground systems, satellite radio networks, IP and service networks, OSS and BSS technologies
- Identifying and troubleshooting system communication paths and capacity performance, as well as conducting post-test data analysis and reporting
- Create test reports to document issues and assist development with the investigation and resolution of issues
- Review/comment on testability issues, obvious design flaws, anticipate data collection points and develop plans for and conduct anomaly test and analysis as required

Skills, Character and Experience

- Awareness of technical issues
- Adaptable to new requirements and changing priorities
- Self-motivated and enthusiastic even under pressure
- Able to function and communicate effectively within a team and with other personnel
- Proven ability to work to deadlines and stay focussed on objectives
- Good document writing and presentation skills
- Willing to travel for up to one month nationally and internationally to support test execution campaigns

Essential

- Honours degree or equivalent in a relevant Engineering or Science discipline (e.g., Electronics / Communication Systems).
- Testing experience in a minimum of 2 environments ranging from stand-alone/integrated testing, factory acceptance testing and operational networks)
- Experience of conducting tests, collecting and analysing data from tests, communicating results and anomalies to test lead through both presentations and formal test reports
- Experience in the troubleshooting of network, RF signal connection and protocol problems
- Experience and knowledge of IP Network design, including routing and VoIP
- Skills necessary to evaluate network hardware, software, algorithms
- Knowledge of test tools such as Wireshark, Spirent or equivalent

Desirable

- Experience of military satellite communications systems
- Knowledge or experience of deploying SDN infrastructure including Kubernetes and Docker
- Experience in Software Defined Radio Networks and Satellite Communications Payloads
- Knowledge and experience of test programming languages and scripting

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Salary

- Competitive salary dependent on skills/experience plus a growing list of Company benefits
- By submitting your CV/application you are consenting to e2E Group using and storing information about you for monitoring purposes relating to your application of future employment. This information will only be used by e2E Group.

e2E Group is committed to achieving workforce diversity and welcome all applications irrespective of social and cultural background, age gender, disability, sexual orientation or religious belief.

