



Satellite Communications Systems Engineer Person Specification

Job Title:	Satellite Communications Systems Engineer
Job Reference:	TSD.PSP.004
Location:	Welwyn Garden City with potential work at other customer sites in London, South West and elsewhere.
About e2E	<p>e2E are a dynamic, innovative and growing space-sector Company offering industry leading consultancy and who are currently embarking on the launch of game-changing products and services; e2E's mission is to make satellite-enabled coverage accessible to everyone.</p> <p>e2E have an impressive history in satellite communications consultancy, engineering and development that underpins our exciting diversification programme.</p> <p>e2E now needs new, experienced and highly flexible team members who have a genuine interest in the space sector, who wish to be involved in a pioneering organisation and who relish the opportunity for diverse experience.</p>
Type of Role:	Full time, permanent.
Skills/Experience Required:	<p>e2E require a broad range of competencies, many of which are to be fulfilled by this role as detailed in the attached job specification. The skills/experience requirements detailed below may be tailored to those of the successful candidate.</p> <p>Essential:</p> <ul style="list-style-type: none">• Meets the role qualification requirements (refer to 'Qualifications' below);• 3-5 years' experience in satellite communications systems engineering with a thorough understanding of communications systems, gained in either commercial or military sectors, and associated engineering concepts, to include experience of system design, ground segment design, satellite operations and payload engineering (including RF systems design, digital communications, air interface communications standards such as DVB-S2, DVB-RCS);



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- Strong practical knowledge of systems engineering practices (from Requirements Engineering through Design / Development and on to VV&T).
- Knowledge of IP networking and networking protocols, understanding of networking principles (routing, QoS, etc.).

In addition, it is essential that the successful candidate can satisfy three or more of the following:

- Experience of working with satellite communications systems and a proven track record of identifying and solving problems efficiently in this environment;
- Experience of engineering concepts, e.g. link budget analysis, IP networking, radio spectrum management, modulation and demodulation, security, interference, etc.;
- Experience developing requirements, systems design documentation, test plans and procedures, and operational procedures;
- Experience of drafting concept of operations documents;
- Experience in working confidently and directly with potential customers, suppliers and subcontractors at a technical level;
- Practical experience in the commissioning and testing of satellite systems, either in-orbit and/or ground based.

Desirable:

- Member of a professional industry body (e.g. Chartered Engineer);
- Satellite manufacturer and/or ground segment system engineering experience will be considered as an advantage;
- Business awareness and acumen;
- Experience of working with/on ESA projects or programmes;
- Understanding of security architectures and associated standards (e.g. ISO27001);
- Experience of quality management systems and frameworks (e.g. ISO9001, ITIL);



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	<ul style="list-style-type: none">• Experience in assisting with drafting proposals;• Experience of technical pre-sales and project management activities;• Experience in military satcoms also advantageous.
Qualifications:	<ul style="list-style-type: none">• Chartered Engineer (preferred)• A good degree in an Engineering or Science subject or related/equivalent qualification (e.g. military training/experience such as Communications Electronics Officer, Foreman/Yeoman of Signals, Weapon Engineering Officer).
Personal Profile:	<ul style="list-style-type: none">• Thorough, professional and engineering-based approach to problem solving;• Highly flexible with a broad range of experience;• Strong analytical skills and ability to identify the key issues both technically, commercially and in organisational processes;• Enthusiastic with a desire to learn about systems and develop skills within a commercial environment;• Able to function effectively within a team and with other personnel throughout a customer organisation and to work independently when required;• Good interpersonal skills: the candidate will need to be able to quickly build relationships with both peers and customer management and demonstrate an ability to 'hit the ground running' and understand underlying issues;• Good technical writing, verbal and presentation communications skills• The candidate should be enthusiastic across a wide range of tasks and proactively seek out opportunities to help the customer;• Willing to travel and work at customer sites in London, South West and elsewhere.