

Job Title:	Secure Communications Engineer		
Department:	Emergency Planning and Resilience	Section:	Emergency Services and Islands Security
Reports to:	Chief Resilience Officer		
Grade:	Falkland Islands Government Grade – D1	Job Code:	300SCE
Overall Purpose of the Role			
<p>Reporting to the Chief Resilience Officer as a member of the Directorate of Emergency Services & Island Security and working as part of a multi-agency team, the Secure Communications Engineer (SCE) will provide technical support to critical emergency services systems and provide technical expertise across FIG. This requires the incumbent to work in collaboration with a range of FIG departments and external stakeholders and provide advice and engineering support in multi-agency environment.</p> <p>Technical and engineering support will include but is not limited to analogue & Digital VHF Radio & FM Broadcast equipment, Satellite systems, Paging, CCTV Microwave radio and Navigation Aids & Systems.</p>			
Key Role Activities			
<ul style="list-style-type: none"> • Build strong professional relationships within the Emergency Services and across FIG. • Install, support, and maintain radio and paging systems across the Emergency Services, Health and Social Services and FIGAS. • Support and maintain Navigation Aids for Stanley Airport and the Falkland Islands Maritime Authority (FIMA). • Install, maintain, and support a range of LEO satellite communications systems across the Emergency Services. • Develop and deliver communications training for the Emergency Services Directorate. • Support and maintain CCTV across the emergency services and FIGAS. • Manage cryptographic keys and security across a range of systems. • Support the Directorate of Commercial Services in FM radio management tasks. • Provide technical support to the Communications Regulator as required. • Work closely with IT to support critical communications work effectively and securely. • Be competent in basic electrical works (aeronautical ground light installations) including installing, testing, troubleshooting, repairing, and certifying communications equipment, navigational aids, airport lighting and back-up power. 			

Job Title:	Secure Communications Engineer
Key Role Activities continued	
<ul style="list-style-type: none"> • Be competent in supporting remote communications sites, including 12V to 48V DC remote site power systems, and solar, batteries and inverters. • Handle and manage sensitive information and stay updated on relevant confidentiality regulations. • Develop strategy for fault management and monitor availability of critical systems. • Apply the latest tools, technologies, and methodologies, using your personal know-how and build upon it by learning and leveraging new knowledge. • Be the main contact for emergency services systems and on a ‘best endeavours’ basis be available out of hours during emergency situations. • Proactively and efficiently manage the Return Material Authorisation (RMA) process to ensure a reliable supply of critical parts and spare equipment are always available. • Attend and undertake any training, both local and overseas, as deemed necessary. • Provide and maintain accurate and informative documentation for procedures, security, and policy. <p><i>This job description is not an exclusive or exhaustive definition of your duties. You shall undertake such additional or other duties as may reasonably be required by FIG commensurate with your role and grade.</i></p>	
Additional Information	
<p>The aim of the Emergency Planning and Resilience department, in which the SCE role sits, is to increase our capability in the Falkland Islands to respond to and recover from civil emergencies. Key to this is understanding:</p> <ul style="list-style-type: none"> • The SCE is normally regular office hours and there is no on-call requirement. However, if an incident or emergency requires work outside of regular hours the SCE may be asked to assist. This is on a ‘best endeavours’ basis and time can be claimed back as time-off in lieu. • Successful applicants may need to undergo and successfully complete security checks. • Dependent on the successful applicants existing qualifications, there may be a requirement to attend training on local and/ or overseas course/s. 	
Criminal Record Checks - This post is regarded as a sensitive post	
<p>All applicants for Government posts will be asked to fully disclose information on spent convictions, cautions, reprimands and final warnings upon application. Criminal records will only be considered for recruitment purposes when the conviction record is relevant. Having an ‘unspent’ conviction will not necessarily bar a candidate from employment. This will depend on the circumstances and background to the offence(s). Any information given will be completely treated as confidential and will be considered only in relation to the post to which the application refers.</p> <p>Failure by a candidate to reveal information that is directly relevant to the post applied for could lead to the withdrawal of an offer of employment.</p>	

Person Specification:		Secure Communications Engineer		
Criteria	Essential	Desirable	Assessment Method	
Knowledge, Skills & Experience				
Ten years' technical experience in the telecoms/radio communications/broadcast sector	✓		A/I/R	
Proven record of support installation and maintenance of a range of FIG technical systems including analogue and Digital VHF, HF, SATCOM, CCTV, telephone, paging and alarm systems, antenna requirements, data link requirements.	✓		A/I/R	
Evidence of staying up to date with the latest technology and best practices.	✓		A/I/R	
Hands-on experience with RF systems, transmitters, antennas, and studio-to-transmitter links.	✓		A/I/R	
Proven experience in maintaining remote instruction including solar DC power systems.	✓		A/I/R	
Proven ability to diagnose and repair faults in broadcast systems under minimal supervision and ability to use test equipment (spectrum analysers, oscilloscopes, RF power meters)		✓	A/I/R	
Ability to read and interpret technical schematics and wiring diagrams. Design and implement technical systems based on needs.	✓		A/I/R	
A working knowledge of IP networking including audio-over-IP skills.	✓		A/I/R	
Knowledge of emergency back-up systems, power generators and DC solar systems.	✓		A/I/R	
A certified climber, able to work safely and efficiently at height.		✓	A/I/R	
Specialised systems training such as distance measuring and non-directional beacons is desirable but can be provided in slow time.		✓	A/I/R	
Ability to ensure system security and data protection.	✓		A/I/R	
Capacity to multi-task and prioritise workloads, including resolving conflicting priorities.	✓		A/I/R	

Person Specification:	Secure Communications Engineer		
Criteria	Essential	Desirable	Assessment Method
Knowledge, Skills & Experience continued			
Good interpersonal skills with the ability to build and influence effective relationships with a variety of people and create enthusiasm and commitment to a shared vision.	✓		A/I/R
Ability to see tasks through to a successful conclusion, meeting challenging deadlines whilst maintaining attention to detail.	✓		I/R
Experience of delivering training	✓		A/I/R
Experience of coordinating multi-disciplinary stakeholder groups.		✓	A/I/R
Personal Attributes:			
Align with FIGs Core Values – Diverse, Professional, Resilient & Resourceful	✓		A/I/R
Must be British or a BOTC citizen and may be required to undertake security vetting and any other vetting deemed necessary for the role.	✓		A/I/R
Self-motivated and able to work independently in remote locations.	✓		I/R
Strong communication skills for liaising and working with multiple teams & external contractors to ensure smooth operations.	✓		I/R
Adaptable and resourceful in challenging environments. Confident and calm when working under pressure.	✓		I/R
Commitment to health and safety standards.	✓		I/R
Project management skills to oversee projects from the initial phase through to completion, ensuring they are completed on time and within budget.		✓	I/R
Analytical mind and a strong critical thinker.	✓		I/R
Supportive of colleagues and team focused.	✓		I/R
Qualifications & Training			
Recognised Bachelor's degree (or equivalent) in a relevant subject (or the ability to demonstrate 10 years' experience of working at this level)	✓		A/I

Person Specification:	Secure Communications Engineer		
Criteria	Essential	Desirable	Assessment Method
Qualifications & Training continued			
Evidence of continuous professional development in RF systems or broadcast technology.	✓		A/I/R
A current car driver's licence.	✓		A
Professional certifications such as Certified Engineering Technologist (CET) or Professional Engineer (PE) can be beneficial.		✓	A
NB Comparable combinations of educational qualifications and experience may be considered.			
Note to Applicants: Please ensure that you demonstrate your ability to meet the requirements of the job in your application form by giving clear, concise examples of how you meet each criterion.			

Method of assessment:

A - Application Form

I - Selection Interview

R – Reference

O - Other