Role Title	**Physical Security Development Engineer**				
Job Family	Property and Construction	**Sub Category**	Product Development	**Grade**	TPB4
Behaviours	• Changing and Improving	• Managing a Quality Service	• Delivering at Pace		
Purpose	Manage and deliver the design and development, or redevelopment, of FCDO Services technical products and services.				

FCDO Services

Key Accountabilities

- Design solutions, adapt, modify, enhance existing units to meet user requirements and progress the technical development of FCDO Services products and services
- Deliver robust, value-engineered, quality products/solutions that underpin and build client confidence in FCDO Services products
- Design and create prototypes and working system items to a component level
- Test products to ensure they meet security and client specification; Use applied knowledge and test to break fail; expand testing regime to cover all potential installation situations equipment may face

- Produce written outputs that meet industry recognised standards / requirements, e.g. user manuals, installation guides, method statements for testing completion
- Coach and share knowledge with team colleagues
- Maintain own professional development and expertise in the latest technologies and best practice to support and grow the business and team
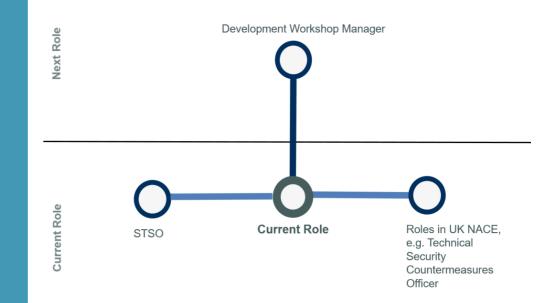
Authority and Scope

- Solutions delivered in accordance with Industry recognised standards / requirements and the organisations' governance policies, processes and procedures, including the agreed lifecycle process, security standards and client specification
- Ensure all relevant Health & Safety regulations are observed
- Report issues and risks that arise when developing components to appropriate personnel
- Task manage appropriate personnel , ensuring compliance with all policies and processes

Internal and External Communications

- Procurement and external suppliers to acquire and deploy required resources

Potential Next Career Moves

Next Role: Development Workshop Manager

Current Role: STSO — **Current Role** — Roles in UK NACE, e.g. Technical Security Countermeasures Officer

Skills

- Product development
- Technical design
- Technical documentation of developed product
- Prototyping
- Applied woodwork and/or metalwork and/or electronics / and/or technical / scientific assessments
- Programming and build
- Produce drawings using CAD software
- Costing products/projects/services/changes
- Bridge technical and non-technical

Qualifications, Knowledge and Experience

Essential
- Level 3 qualification in relevant technical subject
- Design, enhancement and installation of security products and services
- Security installation and maintenance experience
- Experience writing technical submissions and documents
- Strong communication, influencing and stakeholder management skills
- Experience working effectively in small teams

Desirable
- Member of professional body, eg. IET
- Knowledge of security products regulatory requirements and best practice standards
- Understanding of principles of value engineering
- Commercial acumen