

Job Title: Principal Engineer	
Job Evaluation Number	C234

## JOB DESCRIPTION

<b>Job Title:</b> Principal Engineer	<b>Location:</b> Kidlington or Southampton
<b>Job Family:</b> ICT	<b>Role Profile Title:</b> BB4 Police Staff
<b>Reports To:</b> Infrastructure Manager (IAAS) or Platform Manager (PAAS)	<b>Band level:</b> 4T
<b>Staff Responsibilities (direct line management of):</b> Nil	

a. **OVERALL PURPOSE OF THE ROLE:** Defines the role, put simply, why it exists.

**The overall purpose of the role is to:** provide expert consultancy, quality assurance, testing, documentation and support of a wide range of systems and network infrastructure solutions and services in accordance with enterprise and technical architectures and standards to meet defined business needs

b. **KEY ACCOUNTABILITY AREAS:** Define the important aspect of the role for which the job holder is responsible for results or outcomes.

**The key result areas in the role are as follows:**

1. Provide 3<sup>rd</sup> level support services in relation to both systems and network infrastructure. Providing support, guidance and mentoring to both Network and Systems Engineers and Senior Engineers.
2. Develop, test and document new and existing systems and network infrastructure solutions in accordance with high level technical solution designs and agreed standards that are capable of meeting defined business needs and ICT's objectives for developing, implementing and maintaining high quality, resilient and performant ICT infrastructure solutions.
3. Provide the highest levels of expertise in technical infrastructure, working collaboratively with Technical Architects, Strategy Management and SMT members to develop future technical infrastructure roadmaps.
4. Keep abreast of emerging technologies to ensure maximum business benefit from technological innovation and opportunities, recommending appropriate technical solutions, methodologies and techniques.
5. Produces consistently high standards of documentation, presentations and verbal communications using customer language to convey technical information.
6. Prepare for and contribute to project update meetings. Identify and provide early warning of potential progress blockers to project management.
7. Review technical designs, evaluate potential solutions and undertake detailed technical and impact analysis to ensure design parameters and technical standards are met.
8. Identify opportunities within the Forces (bilaterally, Regionally and Nationally) and closely associated organisations, such as customers, suppliers and partners, to maximise business benefit through technology alignment.
9. Provide expert advice and documentation in relation to disaster recovery processes to maximise business continuation in accordance with the Forces' policies and procedures.

c. **DIMENSIONS:** Include matters as key result areas that make the greatest demands on the role holder, seasonal pressures, items processed, the number of customers and/or level of authority to make financial decisions or commit other resources.

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**Further Comments:**

Although works under general direction in terms of workload management, this role carries complete accountability for the quality of technical infrastructure solution delivery with substantial personal responsibility and autonomy for technical design, build and support and is one of force's subject matter experts on technical infrastructure design, build and support

Receives work in the form of specific objectives, plans own work to meet given objectives and processes whilst being accountable to the team leader.

Influences team and peers and will mentor and critically review other Engineers work.

The role holder will work with immediate and or / wider ICT team members to share best practice whilst providing development and performance assistance when required. They will act as a subject matter expert to provide guidance and advice to all TVP staff where necessary.

Works with and influences department managers, and with external experts in IT technical specialism on behalf of the Force: consultants / suppliers; auditors; NPIA; other Forces; partner organisations.

**d. CHARACTERISTICS OF THE ROLE**

**Expertise:** Concerned with the level of administrative, professional and/or technical expertise (knowledge and skills) needed to perform the role effectively; may be acquired through experience, specialised training, and/or professional or specialist education and training.

<b><i>The knowledge or skills required in the role are as follows (essential or desirable):</i></b>	<b><i>E/D</i></b>
1. Experience of acting as a recognised subject matter expert in a broad range of technical server, storage, client delivery infrastructure technologies and infrastructure platform with specialism in one or more areas acquired through academic qualification or further professional training and development.	E
2. Expert in detailed technical infrastructure design and build using a mixed variety of technologies such as Azure, NSX, MS Active Directory, ADFS, SQL Server, VMWare products, Office 365, Hyper-V, Cisco, Internet security.	E
3. Experienced lead engineer with significant experience in complex infrastructure design across both systems and networks from initial concept through build and implementation to operation and support	E
4. Expert in the delivery of technical solutions Able to understand (and articulate) how the application of ICT technology impacts the organisation, business objectives and processes.	E
5. Experienced and has a proven track record in coaching and mentoring engineers, undertaking detailed peer reviews of builds, component designs and documents (Internal or external staff) to ensure quality of solution delivery	E
6. Proficient in operational / service architecture knowledge of the IT infrastructure (hardware, databases, operating systems, local area networks etc.) and the IT applications and service processes used within our organisation.	E
7. Able to achieve significant outcomes through influence and persuasion rather than through direct line authority.	E
8. Effective communication skills - written and oral, customer focussed, team-worker, who is a flexible, adaptable, problem solver and able to work systematically and with little direct supervision.	E

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9. Proficient in structured reviews methods and techniques including reviews of technical diagrams, test plans, business cases and any other key deliverables e.g. peer review, formal technical review.	E
10. Good understanding of ICT Operations Management and ITIL Methodology.	E
11. Must have capability to travel to different locations across both Forces, partner sites and suppliers and undertake all assignments in a timely manner. Due to the requirement to work flexibly, unsocial hours and personal safety for lone working; public transport may not be available or suitable at these times. For this reason a full UK driving licence is considered essential. *	E
<b>Additional comments:</b> * At interview, candidates will be asked to confirm their willingness to undertake this Basic Driving Assessment, which in turn will enable the use of a police authorised vehicle.	