

<b>Job title</b>	<b>Systems Engineer</b>		
<b>Job family</b>	<b>Technical Systems and Delivery</b>	<b>Proposed band</b>	<b>C</b>

**Job purpose**

Contribute to the planning and design of systems. Responsible for the implementation, integration, commissioning, test, and (in some cases) operation of systems against given designs.

**Key responsibilities and accountabilities**

- Key role within engineering team in the planning, design, development, integration, commission and test of systems
- Responsible for delivering technology solutions that meet the agreed specifications for elements of broadcast projects
- Work with project, product and technical leads, and contractors and manufacturers to design media systems and create implementable solutions to the business' technical requirements
- Where required, responsibilities may also include elements of system operational development and support
- Identify and implement ways of achieving business needs and functional requirements by means of technical innovation and development, ensuring desired levels of resilience are achieved
- Preparation of project documentation and contribute to project plans
- Working within the project team to collaboratively write and review test specifications and test plans ensuring that they are clear, concise and cover all agreed functionality
- Take ownership of specific small elements of projects and meet time, cost and quality targets for their delivery
- Testing of new installations, ensuring test logs/registers are kept up to date
- Oversee acceptance testing of new installations, ensuring test logs/registers are kept up to date
- Maintain knowledge of industry and competitor developments in order to learn new technologies and help introduce them where appropriate
- Liaise with the project manager and project support staff to enable them to provide effective and informed written reporting
- Provide effective communication to interested parties, conveying technical information to non-technical staff, either in verbal or written form

**Knowledge, skills, training and experience**

**Essential**

- Experience in assisting with the design, delivery or support of technical systems and infrastructure within a media technology environment
- Experience of systems engineering for key operational criteria (monitoring integration, performance testing, security considerations)

- Understanding of new and emerging technologies and how these may be applied within media technology projects and products
- Self-motivated and organised, with the ability to manage multiple active tasks
- Good communication (verbal, written, listening) and IT skills
- Able to effectively work in a disperse and varied team, showing evidence of dealing with technical issues
- Able to deliver to deadlines and demonstrate resilience to ensure the correct technical solution is selected
- Awareness of translating project, user and product requirements into technical solutions

**Desirable**

- Knowledge or experience of working with media/technology tools (hardware and software)
- Knowledge of web architecture and key technologies (HTTP, DNS, distributed design)
- Awareness of broadcast or datacentre infrastructure installations including power, environmental and space layout considerations
- Experience working alongside third party service delivery or support in an engineering environment
- Knowledge of how media technology systems are supported by Operational Engineering teams and what tools and interfaces they rely on
- Knowledge of Cloud Computing disciplines (NaaS, SaaS, PaaS or IaaS) and IP technologies

**Job impact**

**Decision making**

- *Reports to Principal Systems Engineer, Systems Engineer or Systems Engineering Manager or Principal Project Manager*
- *Tasks are allocated to the job holder by a team or project lead. Undertakes tasks independently or with help with others where necessary. Responsible for ensuring the quality of their work. Troubleshoots independently or with the help of others where necessary.*
- *Participate in engineering teams on the design and development of systems and services, in line with agreed portfolio plans.*

**Scope**

*Finance: Authority for spend on small items up to a value of £5k. Awareness of the impact of technical decisions on project and product budgets*

*Line management: No line management responsibility. Ad hoc supervision of junior members of the team and third parties / contractors*

*Ad-hoc teams: As required. Teams may vary from small (two to five people) to large (30+)*

