

Payload Engineer, job ref JT/274	
Responsibilities	System Performance Analysis
Key Purpose of Job	Ensure Payload performance meets the customer requirements, by devolving/apportioning performance aspects to constituent equipment and ensuring that these function adequately to achieve the final overall performance
Key Tasks	<ul style="list-style-type: none"> • Prepare and maintain specifications for equipment procurement • Prepare interface requirements and support testing activities • Act as the primary point of contact for all technical discussions with the equipment suppliers • Liaise with equipment suppliers to deliver equipment for the project, ensuring the project technical requirements are met • Maintain Payload performance analysis via spreadsheets (Excel) and simulation software (VSS) • Regularly report progress within the SSTL project team • Support and perform RF measurements on a test bed to assist RF performance analysis • Assist in the preparation of payload EMC analysis and support related test activities • Some travel to visit suppliers and prepare visit reports • Assist and support various bid preparations as and when required
PERSON SPECIFICATION	
Qualifications	<ul style="list-style-type: none"> • Engineering degree or equivalent
Experience	<ul style="list-style-type: none"> • Proven experience required ideally in satellite payload engineering or related field
Knowledge & Skills	<ul style="list-style-type: none"> • Good all round technical knowledge down to component level • Specialist knowledge in one of the following areas would be a distinct advantage: high power active and passive microwave equipment (OMUX, Filters switches, couplers, isolators, LNAs and TWTAs). • Knowledge of Navigation signals in terms of structure and quality assessment will be an advantage • Excellent inter-personal skills - both written and oral communications; ability to interface with customer and technical representatives • Highly organised and motivated • Able to work under pressure • Flexible & adaptable to changing priorities • Able to work on a variety of projects from cradle to grave
Location	<ul style="list-style-type: none"> • Guildford, Surrey