

MOD SKYNET

SYSTEMS ENGINEERING

SATELLITE COMMUNICATIONS ENGINEERING

SKYNET 6 CLIENT SIDE SUPPORT

Telespazio UK, through its recent acquisition of e2E, is a key member of the Ministry of Defence's (MOD) Client Side Support partner team on the £multi-billion Skynet 6 (SK6) Military Satellite Communications Programme. Our team was set the complex technical challenge of writing the overall SK6 Systems Requirements and a set of Procurement Requirements for each system element. These needed to be comprehensive, coherent, correct, and complete

Telespazio UK has been providing a flexible, highly skilled team of engineers to provide Requirements Engineering expertise to the programme. Our experts have hosted Stakeholder engagement to elicit user needs, expectations and gathered other inputs such as information exchange requirements.

The team has analysed the user needs and developed the System Requirements using Requirements Engineering of both URD-derived and MODAF architecture-generated requirements. They then analysed the "Golden Thread" relationship between user, system and sub-ordinate Project Procurement

Requirements to monitor completeness/correctness and developed requirement "epoching" to manage the requirements throughout the product lifecycle.

The SK6 System Requirements written by e2E allows the SK6 Programme to closely control acquisition activity and manage requirements, both now and throughout its 18-year product lifecycle, and has become the bedrock on which the SK6 acquisition projects rely, providing validation and completeness of the individual project requirements.

In addition, the System Requirements have spawned the major SK6 project procurement requirement sets, such as the Telespazio UK Procurement Requirements for the £500 million SK6A Satellite System, which passed detailed scrutiny in its Mission Design Review and is now successfully under contract.