

Assurance on UK Skynet 6 Military Satellite System

Ministry of Defence

About e2E

e2E provides communications systems engineering, technical support and expertise to clients in the satellite communications industry, in both defence-related and commercial domains. Our services are provided across the full system lifecycle.

The Challenge

e2E Services is a key consortia member of the Ministry of Defence's (MoD) Client Side Support partner team on the £multi-billion Skynet 6 (SK6) Military Satellite Communications Programme. e2E was set the complex challenge of assuring quality of the Skynet 6A spacecraft before, during and after the launch in 2025.

The Solution

e2E provided a team of 10+ Quality Assurance (QA) and Product Assurance (PA) experts to the SK6A team to provide ISO9001 and deep-domain assurance of the satellite contract, design, security, processes, supply chain, materials, platform build, testing and launch. Our experts developed the client-side SK6A Product Assurance Plan (PAP) specifying how the satellite quality and control would be assured throughout the CADMID cycle and developed Quality Assurance/Control requirements for both the Statement of Requirements and the Statement of Work. Following successful satellite contract-award, they are now continuing to support the design & manufacturing

assurance, assessment and investigation activities for on-going acceptance and continual improvement of processes.

Customer Benefits

e2E's team of QA/PA experts produced a comprehensive SK6A PAP and gave insightful input to the SK6A Contract documentation, allowing the MoD's SK6A team to successfully pass Mission Design Review and subsequently place a £500million contract with Airbus for the first of the UK's next generation of military satellites, in the knowledge that a robust QA&PA programme was in place for this technically challenging equipment. e2E's team continues to support SK6A and will be actively overseeing the SK6A Design Reviews, Manufacturing, Acceptance Testing, Launch and Commissioning of the satellite over the next 5 years.