

Integration, Test Planning & Support

Global Satellite Operator

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

In order to maintain and expand the L-band and Ka-band services being offered by our customer, two new satellites are being added to their fleet. This next generation of satellites hosts a payload whose key element is a Combined Blackbox Processor (CBP) which can be operated by a customer independently from the Operators Ground Control System. Our customer is developing and building the ground segment of the CBP payload.

e2E was tasked with supporting the Integration and Test Strategy for CBP Payload into the two satellites.

The Solution

e2E was focussed on the System Validation Test campaign preparation and provided the customer with support on the compatibility test plan and procedures, and in the execution of the test campaign.

In parallel, e2E developed the integration strategy for the Intra Government Network Operations Centre (NOC) and Satellite Access Stations.

Other activities included:

- ✓ Preparation of the IVVT Masterplan
- ✓ Presentation of the IVVT Critical Design Review Presentation
- ✓ Support to the Systems Engineering function
- ✓ Preparation of the Compatibility Test plan
- ✓ Preparation of the OSAT plan
- ✓ Preparation of the Technical procedures to execute the compatibility test plan for the first of the two satellite

Customer Benefits

To be developed.