

Technical Consultancy Services to Industry

Technical consultancy is available for

1. Electronics Parts & Materials :

- Technical guidance and training to personnel for inspection & screening of electronic components for payloads
- Construction & Failure Analysis of electronic components
- Training for MIL and ESA specifications - understanding and implementation - in space parts selection and evaluation activity
- Preparation of parts list with procurement information, quality level etc for Space Payloads
- Review of parts list and approval

2. Mechanical parts & materials :

- Technical guidance for Qualification activity of surface treatment, plating, thermal painting & mechanical processes like TIG welding, bonding for space use.
- Technical guidance for procurement and evaluation of vibration test facility.
- Surveillance methodology of package during dynamic test and pre-post analysis report generation.
- Review of mechanical design for various dynamic loading conditions.

3. Test & Evaluation :

Comprehensive, in-depth consultancy is available for identification of different parameters for characterization for electronic subsystems. Our team has vast experience of complex space subsystems for RF testing, like configuration of test set up for measurement, procedure for measurement of required parameters and Evaluation of test data.

4. EMI/EMC :

Comprehensive, in-depth consultancy is available for analysis, identification and rectification of EM compliance deficiencies in RF subsystems. Our team has vast experience of complex space subsystems EMI / EMC testing, identification of exact sources of excessive leakages / pick-ups and mitigation methods. Our experienced engineers can also provide on the spot advice / solutions to achieve EM compliance.

5. Software :

- Technical consultancy is available for Software quality assurance planning, product & process assurance and assurance of quality systems in an organisation.
- Testing of Microcontroller based Software written in C, C++
- Testing of application specific test software, checkout software, web based - MIS software
- Verification of FPGAs