



Product Service

Choose certainty.
Add value.

Electromagnetic Compatibility (EMC) & Environmental (ENV) Consulting and Assurance Services for the Aerospace Industry

TÜV Product Service Ltd has worked with the aerospace industry sector for over 50 years in the pursuit of compliant system performance and reliability to ensure that systems operate as intended in hostile military environments.

Our Technical Consultants offer aerospace teams and contractors an unparalleled range of technical support, test and evaluation services throughout the acquisition cycle ensuring systems meet specification and are delivered on time and within cost.

Strategy and Planning

We provide compliance strategies for system solutions whether they utilise bespoke design or existing commercial off the shelf (COTS) equipment.

It is common for these strategies to be documented in a Control and Management Plans containing:

- Management organisation
- Documentation plan
- Design policy
- Risk assessment
- Qualification and Verification plan

Requirements Management

The key to successfully addressing EMC and Environmental reliability contract requirements is to involve subject matter experts conversant with these disciplines and their technical standards. TÜV Product Service works closely with aerospace contractors to prepare performance specifications, define compliance statements and to ensure that risks are managed throughout the duration of the project.

Qualification & Verification

We assist in the qualification and verification of a design by the recommendation of suitable test and analysis programmes and the development of Test Plans. The integration of COTS equipment is assessed by TÜV Product Service for compliance against the contract requirements by a “Gap Analysis”.

This enables the cost benefit of a COTS solution to be realised whilst managing the residual risk by additional testing or design measures.

Accreditations and Registrations

TÜV Product Service Ltd is an ISO9001 registered consultancy, UKAS accredited for permanent laboratory and site test and a DTI appointed EMC Competent Body / Notified Body under the EMC Directive.

TÜV Product Service
TÜV SÜD Group

C O N S U L T I N G



Product Service

www.tuvps.co.uk

Consulting Solutions

Our Technical Consultants have extensive experience of the specifications with which systems must comply. We provide authoritative guidance on the selection of standards, test methods, limits and performance criteria.



TÜV Product Service provides assistance in many specialised fields including:

- Electromagnetic Compatibility (EMC)
- Radiation Hazards (RADHAZ)
- Mechanical environments – Shock and Vibration
- Climatic environments – Temperature, Humidity and Altitude
- Highly Accelerated Life Testing (HALT)
- Sand and Dust testing

Project Experience

- Boeing Dreamliner
- Airbus A380
- Flight Training Simulators (Defence and Civil)
- Nimrod
- Eurofighter
- Rolls Royce

Knowledge Transfer

TÜV Product Service offers a range of training courses in EMC, RADHAZ and Environmental Simulation. These courses can be delivered at our dedicated training facilities or at your own premises.

RELEVANT STANDARDS

RTCA - DO160

Airbus AB0100 series

Boeing D6-16050 specification

EN/IEC 60068 series

BS EN 60529

European and International
(EN/IEC) Commercial Standards

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