



# Electromagnetic Compatibility and Electromagnetic Interference

NTS is known worldwide as the industry leading provider of Electromagnetic Compatibility (EMC) and Electromagnetic Interference (EMI) engineering and compliance services. Our EMC and EMI Subject Matter Experts can offer your company integrated design, analysis, testing and evaluation services, reducing your product development costs and accelerating your time to market.

- ▶ A client demanding that your product meet more stringent requirements which your engineering team has no experience with.

NTS Engineering Services can help you meet these challenges and more.

## Your Challenges

The frenetic pace of business today requires smart solutions to the numerous challenges you face in getting your electronic product to market. Challenges like:

- ▶ Launching your product in a new market with unfamiliar compliance requirements.
- ▶ A design team stretched to the limit to meet short development timelines.

## The NTS Solution

Whatever you require to speed your product to market — EMC and EMI engineering, design analysis, testing, technical training — NTS will customize solutions to meet all of your needs. We offer a wide range of EMC and EMI engineering services to seamlessly take your design from concept to final product.

Our Program Managers and Subject Matter Experts work closely with you and your team, conducting extensive technical design reviews to determine your exact needs. We then structure our solution to fit your particular challenges.

## A Typical EMC Engineering Services Program



## **EMC / EMI Engineering Services**

- ▶ Electromagnetic Environmental Effects (E3) Analyses of Systems and Platforms
- ▶ EMC Control Plan
- ▶ EMI and EMC Analysis
- ▶ EMI and EMC Design and Compliance Assessments
- ▶ Equipment EMI Design
- ▶ Independent EMI/EMC Reviews
- ▶ NARTE Certified Test Support
- ▶ Performance Requirements Definition and Flow Down
- ▶ Requirements Gap Analysis
- ▶ Risk Mitigation Plans
- ▶ System EMC Design
- ▶ Test Procedures and Corrective Action

## **Partial List of Design Service Specifications**

- ▶ EMC/EMI: MIL-STD-461 and DO-160
- ▶ Lightning: MIL-STD-464, DO-160, Airbus, Boeing
- ▶ EMP: MIL-STD-461, MIL-STD-188-125, MIL-STD-464
- ▶ Power Quality: MIL-STD-704, DO-160, MIL-STD-1399, Airbus, Boeing
- ▶ HIRF: MIL-STD-464
- ▶ HERO: MIL-STD-464

The services and specifications listed above represent only a small percentage of the engineering services our Subject Matter Experts have provided to clients over the years. If there is a service or standard not listed, then please call NTS at (800) 270-2516 and ask to speak to an Engineering Services Subject Matter Expert.

## **A Reputation You Can Trust**

NTS has been in business for almost fifty years, and we have solid credentials. We are on OSHA's list of Nationally Recognized Testing Laboratories, we've been recognized as a Verizon Independent Test Laboratory (NEBS Program), and we have ISO/IEC 17025 accreditation.

Satisfied clients of ours include Boeing, Hewlett-Packard, Microsoft, Sony, Lockheed Martin, the US Department of Defense, EMC, Motorola, Cisco, Texas Instruments, United Technologies, Tyco Electronics Corporation, ViaSat, Inc., Rockwell Collins, Raytheon, Pratt & Whitney Rocketdyne, Northrop Grumman, L3 Communications, General Electric, Eaton Aerospace, Agilent Technologies, and Aerojet.

## **Accelerating Your Time to Market**

Call NTS today at (800) 270-2516, send email to [sales@ntscorp.com](mailto:sales@ntscorp.com), or visit our Web site at [www.ntscorp.com](http://www.ntscorp.com) to learn more about how a partnership with NTS will accelerate your time to market. Let our experts work with you to make your product a success.



24007 Ventura Boulevard, Suite 200, Calabasas, CA 91302  
Tel: 818-591-0776 | Fax: 818.591.0899

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**1.800.270.2516 [www.ntscorp.com](http://www.ntscorp.com)**

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