

ENVIRONMENTAL TEST LAB

HIRF & LIGHTNING WORKSHOP



ABOUT THE WORKSHOP

This comprehensive workshop provides an awareness of all aspects of EME, HIRF, Lightning (systems/structure/ fuel tank) and PEDs - including aircraft testing/modeling - relative to regulatory compliance.

With recent revisions to guidance material and FAA policy towards Part 23 Amendment 64, Fuel Tanks (25.981/954), Level A classification, aircraft EMI and PED tolerance, it is critical that anyone working in this field be up to date on requirements.

WORKSHOP DATES

AUGUST 19-23, 2024

SCHEDULE

M-F 10:00 A.M. - 4:00 P.M.
(INCLUDES 1 HR LUNCH BREAK)

FEE

\$2,500 PER STUDENT

PRESENTERS

B. M. - Consultant HIRF and Lightning DER

E. C. - Consultant HIRF and Lightning DER

K. M. M. - Senior Research Engineer, WSU-NIAR

D. R. - Manager, Electrical Engineering & Computer Science Practice, Exponent

C. - Principal Scientist II, EMA

R. - FAA CSTA-High Energy Electromagnetic Effects

TOPICS INCLUDE

- Background and why HIRF/Lightning is important
- FAA/EASA Harmonized HIRF and System Lightning requirements
- DO-160 equipment qualification
- Full aircraft certification and testing, including methods for data reduction
- Pitfalls and problems
- Installation design issues
- Discussion of 25.981/25.954 rule revision and compliance
- EME modeling
- Direct effects of lightning design and compliance
- Discussion on PED tolerance policy and compliance

With emphasis on practical experience to certification and design guidance, this workshop is relevant to engineers and technicians involved in all aspects of EME compliance, including aircraft HIRF and lightning clearance.

CONTACT

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