



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CASCADE ENGINEERING SERVICES, INCORPORATED

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ELECTRICAL

Valid To: November 30, 2023

Certificate Number: 3521.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on: Automotive, Aerospace, Medical, Military and Electrical, Electronic and Mechanical components, assemblies, and packaging:

**Test Technology:**

**Test Method(s) <sup>1</sup>:**

Power Input (AC/DC)	RTCA DO-160G Sec 16.0
Electrical Power Input (AC)	RTCA DO-160G Sec 16.5
Electrical Power Input (DC)	RTCA DO-160G Sec 16.6
Load Equipment Influence on Electrical Power System (AC/DC)	RTCA DO-160G Sec 16.7

**Immunity**

Voltage Dips and Interruptions	IEC 61000-4-11
Harmonics/Interharmonics	IEC 61000-4-13
Voltage Fluctuations	IEC 61000-4-14
DC Ripple Voltage	IEC 61000-4-17
Power Frequency Variations	IEC 61000-4-28
DC Voltage Dips, Interruptions, and Variations	IEC 61000-4-29

**Product Safety**

Medical Electrical Equipment	IEC 60601-1 <sup>2</sup> (Sections: 8.4.2, 8.6.4, 8.7, 8.8, 8.8.3, 8.8.3 (c), and 16.6 Only)
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<sup>1</sup>When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA R101 - *General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

<sup>2</sup>The laboratory is only accredited for testing activities outlined within the test methods listed above. Reference to any other activity within these standards, such as risk management or risk assessment, does not fall within the laboratory's accredited capabilities.



## Accredited Laboratory

A2LA has accredited

# CASCADE ENGINEERING SERVICES, INCORPORATED

Redmond, WA

for technical competence in the field of

## Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 14<sup>th</sup> day of February 2022.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 3521.02  
Valid to November 30, 2023

*For the types of tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.*