



SURFACE VEHICLE RECOMMENDED PRACTICE

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Protocol to Verify Performance of New Xenon Arc Test Apparatus

RATIONALE

The technical report covers technology, products, or processes which are mature and not likely to change in the foreseeable future.

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1. Scope

- 1.1** This Recommended Practice is for use by contractual parties to verify new xenon arc test apparatus ability to perform SAE J1885, J1960, J2412, J2527, or other as specified.
- 1.2** This Protocol defines the process for analysis of performance capabilities of candidate xenon arc test apparatus for comparison to current xenon arc test apparatus being utilized by the industry. This will require documentation of the candidate apparatus to:
- Produce the exposure environments as specified in the test method.
 - Produce the required degradation in the standard reference material(s) in the specified time frame.
 - Produce satisfactory repeatable and reproducible exposure results.
 - Produce satisfactory uniform results throughout the specimen exposure region of the test chamber.
 - Produce similar degradation in the benchmark test specimens, as agreed upon by contractual parties.

Standard Reference Materials (SRMs) performance data and any specified benchmark materials are used as a basis for comparison of various test apparatus. The type of failure and mode of failure should be the same for the comparison.

2. References

2.1 Applicable Documents

The following publications form a part of this specification to the extent specified herein. Unless otherwise specified, the latest issue of SAE publications shall apply.