

Initial Graphics Exchange Specification

Foreword—This Document has not changed other than to put it into the new SAE Technical Standards Board Format.

1. **Scope**—The initial Graphics Exchange Specification (I.G.E.S.) defines a neutral file format for facilitating transfer of graphic information between dissimilar CAD/CAM systems. This specification is being developed under the auspices of the National Institute for Standards and Technology and in the opinion of this committee is properly addressing the key communication issue of dissimilar graphic data formats.
- 1.1 **Purpose**—The purpose of this SAE Recommended Practice is to establish a uniform practice for the exchange of graphic data between organizations using dissimilar CAD/CAM systems.
2. **References**—The I.G.E.S. specification is a product of the I.G.E.S. Committee under the auspices of the National Institute for Standards and Technology.
3. **Recommended Practice**—The current version of I.G.E.S., as approved by NIST, should be followed whenever transferring graphic information between dissimilar CAD/CAM systems with the following recommendations:
 - a. Translators support a subset of I.G.E.S. Entities. Check before transferring data that both translators support the required entity set.
 - b. Validate each data transfer configuration (minimally defined by the graphics systems, translator software, and the application) for data completeness, accuracy, and functionality.

PREPARED BY THE SAE MOTOR VEHICLE COUNCIL

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