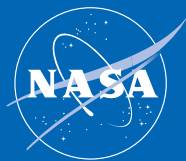


GOVERNMENT-INDUSTRY DATA
EXCHANGE PROGRAM (GIDEP)

KNOW YOUR PART



For more information, visit <http://gidep.nasa.gov>.

ABOUT GIDEP

The Government-Industry Data Exchange Program (GIDEP) is a cooperative information-sharing program between the U.S. and Canadian governments and industry participants. GIDEP members exchange data on problem and nonconforming parts, materials, and software for four main reasons:

1. To increase systems safety, reliability, and readiness
2. To reduce the costs of systems development, production, and operation
3. To ensure that only reliable and conforming components are in use on all government equipment and systems
4. To prevent the inadvertent or deliberate use of counterfeit, defective, discontinued, or unapproved parts and materials.

The use of problem or nonconforming parts or materials in NASA spacecraft, aircraft, facilities, and equipment can compromise NASA's mission; result in unanticipated replacement, repair, or maintenance costs; and jeopardize safety. By consulting and contributing to GIDEP's online database, members can avoid equipment failures, prevent fraud, promote safety, and maximize resources.

GIDEP DATA

The GIDEP online database contains eight types of information:

- **Diminishing Manufacturing Sources and Material Shortages (DMSMS) Bulletins**
 - Announcements issued by a manufacturer when a part or production line is to be discontinued
- **Engineering Data**
 - Technical reports on research materials; quality assessments; engineering, evaluation, and qualification tests; parts and materials specifications; and manufacturing, design, process controls, solderability, and other related engineering data on parts, components, materials, and processes
- **Failure Experience Data (FED)**
 - Objective failure information as a result of ALERTs, SAFE-ALERTs, Problem Advisories, and Agency Action Notices issued for nonconforming parts, components, chemicals, processes, and materials and to notify members of potentially hazardous situations
- **Metrology and Calibration (Met/Cal) Data**
 - Calibration procedures and technical manuals for test and inspection equipment
 - Detailed calibration procedures for other types of machinery and systems
- **NASA Advisories**
 - Notifications of GIDEP reports relevant to NASA programs and equipment
 - Protocols for using NASA's internal database to report or locate information about NASA-specific parts, materials, and safety problems or concerns
- **Nonconforming and Suspected Counterfeit Parts Data**
 - Fact-based reports provided by GIDEP members on equipment, parts, and assemblies suspected to be counterfeit
- **Product Information Data (PID)**
 - Notices on parts, components, and materials for which the attributes have been changed by the manufacturer
- **Reliability and Maintainability (R&M) Data**
 - Failure-rate, failure-mode, and replacement-rate data on parts, components, and subsystems derived from field performance and demonstration tests
 - Reliability and maintainability theories, methodologies, techniques, practices, and procedures, such as prediction techniques, failure-mode and effects analyses, mathematical models, and reliability growth plans

GIDEP BENEFITS

Consistent use of GIDEP data can help to:

- Prevent injuries and save lives
- Improve the availability, reliability, maintainability, quality, and safety of systems and equipment
- Save both time and money by avoiding equipment malfunctions and eliminating duplicate efforts.

Since GIDEP's inception, its members have reported savings of more than \$2.1 billion. Specifically, NASA has a reported cost avoidance of over \$52 million for FY 2010–FY 2014.

For complete information, see [NASA Procedures for Exchanging Parts, Materials, Software, and Safety Problem Data Utilizing the Government-Industry Data Exchange Program \(GIDEP\) and NASA Advisories \(NPR 8735.1\)](http://www.hq.nasa.gov/office/codeq/doctree/87351.htm) at <http://www.hq.nasa.gov/office/codeq/doctree/87351.htm>.

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