

**SCIENCE INSTRUMENT
AIRWORTHINESS AND CERTIFICATION PROCEDURES
MANUAL
Appendix I:
Glossary**

GLOSSARY

6110-3	FAA form (Conformance Approval)
8110-	?
8130-3	FAA form (“Airworthiness” tag)
AC	Alternating Current
ACO	Aircraft Certification Office
A/C	Aircraft
ADR	Adiabatic Demagnetization Refrigerator
AFMS	
AFS	
AN (standards)	
ARC	Ames Research Center
ASME	
CDR	Critical Design Review
COTS	Commercial Off The Shelf
Compliance	Designs for safety critical items must be built to comply with FAR Part 25 guidelines.
Conformity	This requirement is on parts and drawings for example, that manufactured pieces must conform to the drawing for that part in size, materials, processes etc. The conformity inspection is performed by a DAR. It is possible to have a certain produced part comply but not conform to the

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drawing, in which case the drawing can be adjusted to reflect the part as long as the part complies.

CMO	Certification Maintenance Office
DAR	Designated Airworthiness Representative
DAS (Raytheon)	
DC	Direct Current
DER	Designated Engineering Representative
DLR	German Space Agency (Deutsches Zentrum <u>für Luft und Raumfahrt</u>)
FAA	Federal Aviation Administration
FAR Part 25	Federal Aviation Regulations Part 25
FFA	
FHA	Failure Hazard Analysis
FSDO	Flight Safety District Office
FIS	
GFE	Government Furnished Equipment
GFI	Ground Fault Interrupter
GSFC	Goddard Space Flight Center
IPT	Integrated Product Team
LBA	(German equivalent of FAA)
MCCS	Mission Controls and Communications Systems
MIDO	Manufacturing Inspection District Office
MS (standards)	

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NAS (standards)

NASA	National Aeronautics and Space Administration
PDR	Preliminary Design Review
QTP	Qualification Test Plan
RTCA/DO-160C Sec. 21 (industrial guidelines)	
RESY	Raytheon E-Systems
RX/TX	Receive and Transmit
SAE	Society of Automotive Engineers
SEC	Schwartz Engineering Corporation
SI	Science Instrument
SIL	System Integration Laboratory
SOFIA	Stratospheric Observatory for Infrared Astronomy
SSMOC	SOFIA Science Missions and Operations Center
STC	Supplemental Type Certificate
TA	Telescope Assembly
TBC	To Be Confirmed
TBD	To Be Determined
TC	Type Certificate
TIA	Type Inspection Authorization
TIR	Type Inspection Request
UAL	United Airlines
UL	Underwriters Laboratories
USRA	Universities Space Research Association