ATA Specification 106

Sources & Approved Parts Qualification Guidelines

Revision 2001.1

AIR TRANSPORT ASSOCIATION

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USA

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Highlights

Release History

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Location	Description of Change
Chapter 3	Enhanced wording and resequenced Sections.
Chapter 4	Wording enhanced and expanded.
Appendix D	Standardized "Packing Sheet" - new Appendix

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Chapter 1. Definitions

These definitions were complied from various previously published aviation reference materials and sources and they represent a commonly accepted and understood meaning of the terms shared by the drafting committee. Many of these definitions were drawn from the World Airline Technical Operations Glossary [WATOG](2).

Accessory	A part, subassembly, assembly or component designed for use in conjunction with or to supplement another item.
A.D. (Airworthiness Directive)	Issued by the FAA to identify those products which have been found to be in an unsafe condition and the FAA has prescribed inspections and the conditions and limitations, if any, under which those products may continue to be operated.
Airworthiness	The condition of an item (aircraft, aircraft system or part) that meets its type design in that the item operates in a safe manner to accomplish its intended purpose.
Alteration	See "Modified."
Alternate Part Number	An alternate part number identifies a part which fully meets required functional and structural specifications of the primary part number, and is approved for use in lieu of the primary part number.
APIS (Approved Production Inspection System)	The system by which a Type Certificate holder is authorized to produce parts without a Production Certificate. (Ref. FAR Part 21, Subpart F [FAA 14CFR]).
Appliance	Any instrument, mechanism, equipment, part, apparatus, appurtenance, or accessory, including communications equipment, that is used or intended to be used in operating or controlling an aircraft in flight, is installed in or attached to the aircraft, and is not part of an airframe, engine, or propeller."
Approved Data	Data which has been approved by the Administrator, FAA, and/or a designee as applicable. This may include design, maintenance and quality specifications, and manufacturer's service bulletins.
Approved Part	A part which has been approved under FAA regulations pursuant to an operator's engineering/quality assurance specifications applicable for installation on an aircraft or accessory by virtue of it being described, identified and included in design data utilized to establish the type certification, STC, TSO or PMA.
As Is	Any airframe, aircraft engine, propeller, appliance, component part or material, the condition of which cannot certainly and accurately be classified and therefore its status is unknown.
Assembly	An assembly may be an end item or a component of a higher level assembly. A number of parts, subassemblies, or any combination thereof joined together to perform a specific function and which can be disassembled without destruction of designed use.
Broker	One who for a commission or fee brings parties together and assists in

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negotiating a contract between them.

Catastrophic

A term applicable to parts, appliances, characteristics, processes, maintenance procedures or inspections, which if failed, omitted, or nonconforming, may, considered separately and in relation to other systems, reduce safety margins, degrade performance, or cause loss of capability to conduct certain flight operations, so as to prevent the continued safe flight and landing of the aircraft. Such conditions may require use of the Emergency Procedures portion of the Flight Manual. The term "catastrophic" implies a requirement for extraordinary care in technical evaluation and control to assure safety of product, personnel, and the public.

Certificated Manufacturer

A manufacturer who holds a production approval under CFR 14, Part 21. (Ref. [FAA 14CFR].)

Certificate of Conformance

A document which certifies conformance to a manufacturer's process, design, specification and materials, as well as test reports or supporting data.

Certification of Airworthiness for Export

A certificate used between countries, holding a bilateral agreement, to export aircraft parts. This certificate identifies the condition of an item (aircraft component/part), that it conforms to its type design, and that is in a condition for safe operation. Examples of this are the JAA Form 1 and the FAA Form 8130-3.

Certification Document

A document/certification stating that a part conforms to an industry or U.S. specification.

NOTE:	Manufacturers of commercial and standard parts are not all certificated by the FAA and therefore may not be subject to FAR requirements.

Certificated Part

A part which is approved by the FAA and manufactured by a certificated person (e.g. Type Certificate holder, Supplemental Type Certificate Holder, production certificate holder, TSO holder or PMA holder).

All of these certifications for manufacture are delineated in the FAR's. All of them are subject to an established and approved quality control system which assures that a part in all ways meets its design data.

Commercial Parts

Parts that have been determined to meet the requirement of the type design by the FAA or its designee. These parts are not necessarily designed or produced solely for application in commercial aviation. However they are manufactured to a specification or catalog description and marked under ths identification scheme of the manufacture. *(This is a proposal offered by Task Team "D" of the ARAC Parts working group.)*

Component

Any self-contained part, combination of parts, subassemblies or units, which perform a distinctive function necessary to the operation of a system.

Conformity to FAA-Approved Design Data

An assessment of whether the material, part or product is consistent with the FAA-Approved design data.

Consumables

Generally bulk-type materials such as fuel, lubricants, cements, compounds, paints, chemicals, dyes, splices, patches, etc., called out in maintenance and repair procedures for aircraft, engines, equipment, and component end items.

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	These materials are items used only once.
Counterfeit Certification	A document that is a false certification with intent to deceive user.
Counterfeit Part	A part that has not been approved/certified. It does not meet the tolerances, limitations, and/or specifications delineated in its design data and/or which is not made from materials specified for that design. It is something different than what the original design calls for and it is made, and/or sold, or provided, with the intent to deceive the user.
Direct Ship Authority	A statement from a certificate holder and/or approved manufacturer to a supplier authorizing direct shipment to a buyer and date of the authorization. Domestic and foreign manufacturers (Production Certificate Holders) should authorize their suppliers of parts other than standard or commercial parts, who do not hold FAA certification for manufacture, in writing to provide any direct shipping authority and establish procedures which will ensure that the shipped parts will conform to the type design and are in an airworthy condition. A copy of the letter to the supplier from the certificate holder authorizing direct shipment and date of authorization should be included with the shipping ticket, invoice, or other transfer document containing a declaration that the individual part was produced under the terms of a FAA production approval. The shipping document should also identify the product on which the part is eligible for installation, and the Production Certificate holder's production certificate number.
Distributor	A business that does not manufacture its own products but purchases and resells such products. Such a business usually maintains a finished goods inventory and may provide additional value added service. May be classified as "authorized" by the manufacturer assuring direct traceability of the products.
D.O.T.	United States Department of Transportation
Expendable Parts	A part for which no authorized repair procedure exists or for which the cost of repair would not be economical.
FAA (Federal Aviation Administration)	The Civil Aviation Authority of the United States of America.
FAA-Approved Design Data	All drawings and specifications necessary to show the configuration of the part and all information on dimensions, tolerances, material, processes, and procedures necessary to define all characteristics of an airworthy product and every part therein.
FAA Form 8130-3	Airworthiness Approval Tag, the tag may be used by a Production Approval Holder (PAH) to identify a part or group of parts for export approval; for identification; or for conformity determinations. The form may be used as an approval for return to service by a FAA approved repair station, or an air carrier operating under [FAR 121], [FAR 127], or [FAR 135] with a continuous airworthiness maintenance program; or a Designated Airworthiness Representative to perform certification maintenance functions. (Ref. [Appendix A].)
FAA-PMA	Parts Manufacturer Approval. FAA/PMA is issued under Subpart K of FAR Part 21 (See PMA below).
FAA Regulated Manufacturer	One which manufactures under FAA certification and has a FAA approved

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quality control system. Certifications are issued under [FAR 21].

FAR — Federal Aviation Regulation

FAR 121/135 Air Carriers — Air Carriers certificated under Part 121 or 135 of the Federal Aviation Regulations (FARs). (Ref. [FAR 121], [FAR 135])

FAR 145 Repair Station — A repair station certificated under Part 145 of the Federal Aviation Regulations (FARs). (Ref. [FAR 145])

IPC (Illustrated Parts Catalog (IPC) — A document provided by the Production Approval Holder containing all information for the identification and requisition of replaceable parts and units.

NOTE:	ATA *i*Spec 2200 [ATA iSpec 2200] describes the recommended content of the document.

Inspected — An airframe, aircraft engine, propeller, appliance or component part (new or used) which has been examined by means of visual or test procedures to establish conformity with acceptable data.

JAA — Joint Airworthiness Authorities

JAA Form One — The Joint Aviation Authorities form identifying an aircraft part or parts coming into the U.S. from a foreign country that holds a bilateral agreement with the United States for exchange of such parts. May also be used by U.S. certificated foreign repair stations as a maintenance release. The document alone does not automatically constitute authority to install the part, component or assembly.

Life Limited Parts — Parts that have established replacement criteria, inspection intervals, or related procedures specified in the Airworthiness Limitations section of the instructions for Continued Airworthiness under FAR 21.50, 23.1529, 27.1529, 31.82, 33.4, and 35.4 (Ref. [FAA 14CFR]) or under a TSOA. This definition includes rotorcraft parts and materials identified therein which are non-redundant and the failure of which would result in a condition inhibiting or precluding an auto-rotational landing.

Major — A term applicable to parts, appliances, characteristics, processes, maintenance procedures or inspections, which if failed, omitted, or non-conforming, considered separately and in relation to other systems, are not catastrophic but would reduce capability of the aircraft or the ability of the crew, such as through increases in workload, to cope with adverse operating conditions or subsequent failures. Such conditions may require use of the Abnormal Procedures section of the Flight Manual. The term "major" implies a requirement for careful technical evaluation and control to assure safety of product, personnel, and the public.

Manufacturer — An organization that makes components, units or piece parts for use in the construction or maintenance of aircraft and powerplants.

Manufacturer's Certification — A document which certifies conformance to manufacturer's process, design, specification and materials, as well as test reports or supporting data.

Manufacturers, Prime — An organization that makes airframes, powerplants or propellers (Class I

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	Products, reference FAR 21.321 [FAA 14CFR]).
Military Standards	Product standards and specifications for products manufactured for the U.S. military or defense contractors, units, suppliers, etc.
Minor	A term applicable to parts, appliances, characteristics, processes, maintenance procedures or inspections, which if failed, omitted, or non-conforming, considered separately and in relation to other systems, would not be major or catastrophic. Such conditions ordinarily imply no departure from use of the Normal Operating Procedures portion of the Flight Manual.
Modified	An airframe, aircraft engine, propeller, appliance or component part which has been altered in conformity with approved data. (See "Alteration").
Modify	To change or alter through rework and/or through the installation or removal of an item.
New	A product, assembly, accessory, component, part or material produced in conformity with approved data that is accompanied by a manufacturer's material certification at the time of sale, and has no operating time or cycles.
New-Unused (Surplus)	A product, assembly, accessory, component, part or material produced in conformity with approved data which has been released as surplus by the military, manufacturer, owner-operator, repair facility, etc.; has no operating time cycles and may be accompanied by the manufacturer's material certification at the time of sale, and which is being sold by a person other than the original equipment manufacturer.
Non FAA Regulated Manufacturer	One which is not regulated by the FAA. (See Standard Parts and Commercial Parts.)
OEM (Original Equipment Manufacturer)	The actual manufacturer of the part, and may or may not be certificated under FAR Part 21 (Ref. [FAR 21]).
Owner/Operator Produced Part	A part in which the owner or operator participated in controlling the design, manufacture, and /or quality of the part.
Overhaul, Time Controlled	The reconditioning in accordance with a plan under which the time histories of individual items are monitored. The monitoring system is used to schedule the removal of items before they exceed a specified time limit.
Overhauled	Describes a used aircraft, airframe, aircraft engine, propeller, appliance or component part which has been overhauled using methods, techniques, and practices acceptable to the FAA and has been disassembled, cleaned, inspected, repaired as necessary, and reassembled. In addition, it has been tested in accordance with approved standards and technical data acceptable to the FAA.
Part	One or more pieces joined together which are not normally subject to disassembly without destruction of designed use.
Parts History	Phrase used to illustrate the life of a part from its origin to the present or to the end of its useful/safe value.
PC (Production Certificate)	A certificate issued by the FAA authorizing the production of a type certificated or supplemental type certificated product. (Ref. FAR Part 21,

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Subpart G [FAR 21]).

PMA (Parts Manufacturer Authority) An approval issued by the FAA to produce a modification or replacement part for sale for installation on a type certificated product.(Ref. FAR Part 21, Subpart K.) All parts produced under a PMA shall be marked in accordance with FAR 45.15. Manufacturers outside the U.S. are not generally issued PMAs, per FAR 21.303(G). (Ref. [FAR 21].)

Product A product is an aircraft, aircraft engine, or propeller.

PAH (Production Approval Holder) The holder of a Type Certificate (TC), Production Certificate (PC), Parts Manufacturer Approval (PMA), or Technical Standard Order Authorization (TSOA) with respect to a particular product or part thereof.

Person Means an individual, firm, partnership, corporation, company, association, joint stock ownership or governmental entity. It includes a trustee, receiver, assignee or similar representative of any of them. (Reference 14 CFR Part 1.)

Production Overruns Parts that a manufacturer produces in addition to what was authorized by the production approval holder.

Proprietary Part A part made and marketed by a company with legal rights or exclusive title to manufacture and sale.

Prototype A product suitable for functional evaluation of mechanical and electrical design and performance.

Rebuilt An airframe, aircraft engine, propeller, appliance, or component part which has been disassembled, cleaned, inspected, repaired as necessary, reassembled and tested to the same tolerances and limits as a new item, in conformity with approved data, using either new or used parts that conform to new part tolerances and limits or to approved oversized or undersized dimensions. This can only be accomplished by an authorized manufacturer (FAR 43.2(b)). (Ref. [FAR 43].)

Recoverables Items which may be repaired to a serviceable condition one or more times before scrapping. Repair is by rework, maintenance, preventative maintenance, rebuilding or alteration, such as welding, refinishing, recharging, etc.

Repaired An airframe, aircraft engine, propeller, assembly, appliance, accessory, component or part which has been restored to a serviceable condition in conformity with data acceptable to the FAA.

Repairable Parts An item which is economically repairable and can be rehabilitated to a serviceable condition. Normally these items are assemblies but also include units without component parts which can be reworked by maintenance, preventative maintenance, rebuilding and alteration, cleaning, refinishing, patching, etc.

Reverse Engineering The process of disassembling, evaluating, and redesigning a part for the purpose of duplicating a product with similar characteristics.

Rotable Parts An item that can be economically restored to a serviceable condition and, in the normal course of operations, can be repeatedly rehabilitated to a fully serviceable condition over a period approximating the life of the flight equipment to which it is related. Rotable Parts must always utilize

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serialization per FAR 121.380. (Ref. [FAR 121].)

Serviceable (To be added)

Single Sourcing A method whereby a part is procured from only one supplier.

Sole Source Supplier The only supplier capable of meeting the requirements for an item.

Specification A clear, complete, and accurate statement of the engineering and technical requirements for a material, an item, or a service, and the procedure to be followed to determine if the requirements are met.

STC (Supplemental Type Certificate) A certificate issued by the FAA that approves a change in the type design of the product, not great enough to require a new application for a type certificate. (Ref. FAR Part 21, Subpart E. [FAR 21].)

NOTE:	The STC holder is eligible to apply for a Production Certificate under FAR 21.133(3), unless it produced for a owner operator under 21.303b. (Ref. [FAR 21].)

Standard Part A part manufactured in conformance with a specification established, published and maintained by a consensus standards organization, a government agency, or a holder of a type certificate (TC). The specification includes design, manufacturing, test and acceptance criteria and identification requirements.

Subassembly Two or more parts which form a portion of an assembly or component replaceable as a whole, but having a part or parts which are individually replaceable.

Supplier An organization that sells aeronautical products for use by the air transport industry. The products may include spare parts, information and electronic data processing requirements.

Surplus Indicates a specified quantity of an item which is over and above that required to meet forecasted stock requirements in support of normal operations.

Surplus Dealer A seller of parts which are available on the market that are not sold directly from a manufacturer or a distributor or any other approved source.

TC (Type Certificate) A certificate issued by the FAA that approves a design for an aircraft, aircraft engine, or propeller.

NOTE:	The TC holder is eligible to apply for a Production Certificate under FAR 21.133(1), unless it produced for a owner operator under 21.303b. (Ref. [FAR 21].)

Time Control See Overhaul, Time Controlled.

Traceability The ability via documentation to track aircraft parts, processes, and materials by lot, serial number or other means to the certificated source or manufacturer.

TSO (Technical Standard Order) An order issued by the FAA and is a minimum performance standard for

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