

Revisions

Revision Date	Revisions
06-2014	133-Not for Production Use was removed 469A-Quality Clause was reworded
09-2014	133- Quality Clause Revised 469-Changed date format to 0-0-0000 471-Quality Clause Revised
11-2014	259-Quality Code Revised 930, 940, 945-Updated to include SAP system
12-2014	337-Quality Code Revised 131-Revised to Include Mexicali Operations
05-2015	315-Grammatical error corrected 337-Quality Code Revised 452-Changed "confirm" to "conform" 469A-Grammatical errors corrected 480-Form Number Updated 921-Added applicable 950-Grammatical errors corrected 133-Grammatical errors corrected 462-Updated SQAR Revision and Corrected Grammatical Errors 860-Listed Retired Date 861-Listed Retired Date 910-Listed Retired Date 862-Added new code to replace codes 860 & 861 912-Added new code to replace code 910
08-2015	675-Quality Code Revised 472A-Quality Clause Revised
11-2015	133-Quality Clause Revised Changed "shall" to "must" throughout document
02-2016	315-Added Serial Number max character limit 334- Added Serial Number max character limit 753- Added Serial Number max character limit 469B- Added Serial Number max character limit 472A- Added Serial Number max character limit
04-2016	131-Updated Note 671-Added Note
02-2017	474-Added dual certification

ADDITIONAL CONDITIONS

QUALITY CODES – PARTS RELATED

- 129 Furnish a “Certificate of Compliance” attesting the above parts/materials are manufactured in accordance with and meet the requirements of the drawings/specifications as evidenced by inspection/test. This certificate must accompany each shipment.
- 131 Furnish a “Certificate of Compliance” attesting the above parts/materials are manufactured in accordance with and meet the requirements of Gulfstream Aerospace “approved” drawings/models/specifications as evidenced by inspection/test. This certificate must accompany each shipment.

NOTE: For articles produced by Gulfstream, a completed route card or a Gulfstream work order transport document with document type “Order Complete” meets the requirement of code 131.

- 259 Gulfstream Aerospace Corporation (GAC), industry, and/or military standards/specifications required by the applicable engineering data listed in the invitation to quote (ITQ) will apply to all products and/or articles furnished under this agreement/procurement order. This includes both new and maintained/altered products and/or articles. Supplier must utilize the engineering data revision level in effect the date the purchase order was generated. Other revisions of engineering data must not apply unless accompanied by an engineering order or purchase order amendment.

As applicable, supplier must notify the GAC purchasing department of any Federal Aviation Administration (FAA) Advisory Directives (AD) and/or Unapproved Parts Notice (UPN) applicable to the product and/or article at the time of ITQ and/or time of delivery.

- 304 INACTIVE – Do not use
- 315 (A) Identification must be in accordance with the applicable engineering documents. Identification must include but not be limited to the following:
- 1) Part identification number as shown on the engineering document and/or purchase order.
 - 2) Part revision/modification/configuration level if required by engineering drawing. **Must be included on certification documents.**
 - 3) Manufacturing date.
 - 4) TSO, PMA, Cage Code data as applicable
 - 5) Serial number, lot, batch and/or heat number (if applicable). **Must be included on certification documents. NOTE: Serial Numbers on articles and/or products delivered to Gulfstream must not exceed 18 characters (to include spaces and symbols) in length.**
 - 6) Aircraft control number as applicable by contract requirement.

NOTE: If identification method is not defined in the Gulfstream Engineering documents, identification method must be in accordance with the above and GAMPS 1105 or GAMPS 1106 and the specific subclass as applicable.

UNLESS:

- (B) The product to be identified is made to a “Manufacturing Part Number” in accordance with the purchase order requirements. This could include additional numeric or alpha-numbers in addition to the engineering number.

NOTE: A manufacturing part number is created by Gulfstream Manufacturing Engineering to identify product that is **NOT** made to the final engineering configuration that will subsequently be attained upon assembly.

EXAMPLES: Leaving fastener holes out or drilling a pilot size diameter, final finishes, excess material left for trimming upon assembly, incomplete assemblies.

330 Surface Finish Integrity of Diamond C / Diamond F part(s) is critical. Parts identified with either of these symbols must be handled and protected so as to prevent any scratches, nicks, dents or abrasions from being produced. Suppliers must package, protect, and label the part(s) in accordance with Gulfstream Standard GAS28B. Parts must remain in supplier packaging until they are delivered to next assembly point of use.



- 334 Maintain serialization and traceability of material. Apply serial number and related ultrasonic number if applicable to parts and accompanying documentation.
NOTE: *Serial Numbers on articles and/or products delivered to Gulfstream must not exceed 18 characters (to include spaces and symbols) in length.*
- 337 Supplier must perform 100% ultrasonic inspection of all material to the requirements of GAMPS 9101 (Aluminum), GAMPS 9102 (Steel), GAMPS 9103 (Titanium) per the revision in effect at the time of the contract. Supplier must certify and provide documentation that the materials meet the requirements of the applicable specification. Each item of raw material ultrasonically inspected and found to conform to the requirements of the specification must be marked in accordance with AMS-STD-2154.
- 338 Supplier must perform 100% ultrasonic inspection of all material to the requirements of GAMPS 9104 (Composite structure) per the revision in effect at the time of contract. Supplier must certify that the materials meet the requirements of the applicable specification.
- 339 Supplier must perform 100% ultrasonic inspection of all material to the requirements of GAMPS 9105 (Metal Bond Structures) per the revision in effect at the time of contract. Supplier must certify that the materials meet the requirements of the applicable specification.
- 391 Detail parts or assemblies must be manufactured as matched pairs, sets, kits and/or assemblies as required by purchase order. They must subsequently be maintained as matched sets by a mechanical means to prevent separation prior to assembly.
- 395 Protective covers, plugs and/or material must be installed on ducts, lines, tubes, vents, and electrical connectors or connections for protection from contamination and physical or electro-static discharge type damage.
- 452 The seller must submit with each shipment a certification stating that the supplies have passed inspection and test as specified in this purchase order and conform to all requirements of this purchase order.
- 453 Supplier must submit with each shipment, a certification stating that the parts/materials meet the requirements of the engineering documents listing those exceptions as described on this purchase order.
- 456 Final acceptance will be performed at Gulfstream

- 671 Certification required stating that actual values of the manufacturer's chemical and physical properties must accompany each shipment for each heat, lot or batch of material. Certifications must also show the specification number of the material manufactured and the ranges required by the specification.
- Note: An FAA Form 8130-3 or foreign equivalent authorized release certificate completed in accordance with the applicable regulatory requirements and guidance material is acceptable in lieu of the manufacturer's chemical and physical certifications.
- 672 Supplier must furnish evidence of passing acid test, per GAMPS 9504, along with an acceptable blemish map/chart, for each piece of clad material shipped.
- 673 Testing of and certification to the actual values of the tests performed for physical properties of the material, must accompany each shipment for each heat, lot or batch of material processed. Include the specification number(s) utilized in performing the test(s) and the appropriate range for each property.
- 674 Cancelled and superseded by code 950.
- 675 A test coupon/specimen must accompany the first shipment of an article and/or assembly from each new lot or batch of material manufactured. Test coupons/specimens must be representative of and accompany the actual article and/or assembly throughout all processing and must be identified with the appropriate lot or batch material identifier. Subsequent shipments of articles and/or assemblies from the same lot or batch do not require new test coupons/specimens but must include a copy of the original lot or batch test certifications.
- 753 Serial numbers are required. **NOTE:** *Serial Numbers on articles and/or products delivered to Gulfstream must not exceed 18 characters (to include spaces and symbols) in length.*
- 792 Stencil to indicate alloy and temper. Material may be tagged where stenciling is impractical.
- 794 Identify grain direction at 6 inch intervals using a method that is not deleterious to the material.
- 860 Code Retired: 08/01/2015. The products listed on this purchase order must have a minimum of 80% of the specified shelf life remaining upon receipt at Gulfstream. The shelf life of the product, designated in years, months or days, must be calculated from the "date of shipment from the original manufacturer" of the product. Do not use after 08/01/2015, superseded by code 862.
- 861 Code Retired: 08/01/2015. The products listed on this purchase order must have a minimum of 80% of the specified shelf life remaining upon receipt at Gulfstream. The shelf life of the product, designated in years, months or days, must be calculated from the "date of original manufacture" of the product. Do not use after 08/01/2015, superseded by code 862.
- 862 Supersedes Code 860 & 861. The article and/or product listed on this purchase order must be marked by the supplier with a date of expiration in addition to the standard article and/or product identification requirements defined within the article and/or product's controlling specification. A minimum of 80% remaining shelf life is required upon receipt.
- NOTE: For Industry / Supplier specification controlled products:** In lieu of an expiration date, the supplier must provide a method to calculate the product's expiration date. The method must consider contributors like, date of manufacture, varying storage conditions, distributor repackaging, etc...
- 870 Per the referenced specification, temperature controlled items shipped must have objective evidence that the required temperature has been maintained throughout the shipment. The evidence must be available to GAC inspection upon receipt.

910 Code Retired: 08/01/2015. The listed product, “O” rings, must be packaged individually or per applicable specification requirement. Marking requirements must be per the applicable specification and must include but not be limited to: shelf life, manufacturing date, cure date and shelf life time frame. Do not use after 08/01/2015, superseded by code 912.

912 Supersedes Code 910. The article and/or product listed on this purchase order (examples: O-Rings, Packings, Seals) must be packaged individually or in accordance with packaging requirements defined within its controlling specification. The packaged article and/or product must be marked by the supplier with a date of expiration in addition to the standard identification required by the article and/or product’s controlling specification. A minimum of 80% remaining shelf life is required upon receipt. (Ref. *Aerospace Recommended Practice ARP5316, Storage Elastomer Seals and Seal Assemblies*)

NOTE: For Industry / Supplier specification controlled products: In lieu of an expiration date, the supplier must provide a method to calculate the product’s expiration date. The method must consider contributors like, date of manufacture, varying storage conditions, distributor repackaging, etc...

921 Any product found to be rejected in error (No Cause for Rejection / NCFR) or returned as received must be accompanied by Gulfstream’s written authorization to return the product. The shipping document must clearly reflect the product’s status as to why it is being returned (as referenced in the applicable Gulfstream Supplier Quality Assurance Requirements (SQAR).

950 Flammability code requirements:

FOR ANY STANDARD & STAND ALONE MATERIALS SUCH AS:

Nomex/fiberglass sandwich panels, balsa core panels, hose, tubing, spare wire conduit, air ducting, green nylon cloth, vinyl, chafe wrap, plastic mirror material, foam padding (IG-3/DAX), black plastic laminate, rubber bulb seal, lexan, kydex, ABS, muslin, and nylon boards.

The material must meet the requirements of title 14 code of federal regulations, federal aviation regulations 25.853. Compliance statement must accompany and be referenced on the certification of compliance with each shipment. Records of compliance must be maintained by the supplier and available for review by Gulfstream Procurement Quality.

DRESS COVERING/ORGANIC MATERIALS SUCH AS:

Leather, fabric, cork and wood

Materials having flame retardant applied must have a statement on the certificate of conformance referencing the type of flame retardant and application method. Materials without flame treatment must have “No Fire Retardant Applied” stated on certificate of conformance.

THERMAL / ACOUSTIC INSULATING MATERIALS SUCH AS:

Fiberglass batting, film covering for batting, nomex blankets, carpet padding, plumbing insulation, self-adhesive foam, rubber sound dampening materials, nomex felt

The material must meet the requirements of title 14 code of federal regulations, federal aviation regulations 25.856. Compliance statement must accompany and be referenced on the certificate of compliance with each shipment. Records of compliance must be maintained by the supplier and available for review by Gulfstream Procurement Quality.

WIRING INSULATION:

The material must meet the requirements of title 14 code of federal regulations, federal aviation regulations 25.1713. Compliance statement must accompany and be referenced on the certificate of compliance with each shipment. Records of compliance must be maintained by the supplier and available for review by Gulfstream Procurement Quality.

ELECTRONIC COMPONENTS SUCH AS:

Electronic components supplied for use in aircraft. This includes black boxes, monitors, coffee makers, etc. But excludes commercial off the shelf (COTS) equipment

The material must meet the requirements of title 14 code of federal regulations, federal aviation regulations 25.869. Compliance statement must be referenced on the certificate of compliance with each shipment. Records of compliance must be maintained by the supplier and available for review by Gulfstream Procurement Quality.

- 960 **CORRIDOR PURCHASE ORDERS-ONLY:** The part numbers ordered must be to the current, released drawing revision level unless otherwise stated on the purchase order.
- 990 This AMN article must be bonded and restricted to prevent being stocked, delivered or installed on any Gulfstream assembly or aircraft per GAC-WM-310 or GAC-WM-157. Prior to release of the material, the model / drawing must be released by engineering.

QUALITY CLAUSES – SUPPLIER RELATED

- 133 Repaired / Rebuilt / Overhauled / Inspected / Tested or modified articles and/or products provided to Gulfstream must comply with either item A), B), C), or D):
- A) Certificated repair station articles and/or products must be accompanied by a FAA form 8130-3 or foreign equivalent authorized release certificate completed in accordance with the applicable regulatory requirements and guidance material.
 - B) Non-certificated contract maintenance provider articles and/or products must be accompanied by a repair report that includes actions taken, parts replaced and inspection/test results.
 - C) Production articles and/or products that have been repaired / inspected / tested or modified and returned to Gulfstream must be accompanied by a root cause corrective action report and a repair report that includes: Actions taken, parts replaced & inspection/test results.
 - D) New replacement articles and/or products received from supplier in lieu of returning in-service articles sent to supplier for maintenance activity, the supplier's documentation must clearly indicate status of replacement articles and/or products as "new".
- 450 The supplier must establish and maintain a Quality Assurance System acceptable to Gulfstream Procurement Quality. This system must in accordance with the requirements of SQAR-0001 which by reference is incorporated herein and made part of the purchase order.
Do not use after March 10, 2010. See applicable clause 461, 462, 463, 464 or 465.
- 461 The supplier must establish and maintain a Quality Assurance System acceptable to Gulfstream Procurement Quality. The system must be in accordance with the requirements of Gulfstream Supplier Quality Assurance Requirements –0001 Revision "D" (SQAR-0001 D) which by reference is incorporated herein and made a part of this Purchase Order or Contract. **(for application to P.O.'s or contracts for manufacturers of functional, flight critical components or suppliers of major structural assemblies or power plants of the aircraft)**

- 462 The supplier must establish and maintain a Quality Assurance System acceptable to Gulfstream Procurement Quality. The system must be in accordance with the requirements of Gulfstream Supplier Quality Assurance Requirements –0002 Revision C (SQAR-0002 C) which by reference is incorporated herein and made a part of this Purchase Order or Contract. **(For application to P.O.'s or Contracts for Repair and Overhaul Facilities. Applicable to FAA / EASA Repair Stations, Supplier Overhaul or Repair Centers that are not part of the OEM's facility)**
- 463 The supplier must establish and maintain a Quality Assurance System acceptable to Gulfstream Procurement Quality. The system must be in accordance with the requirements of Gulfstream Supplier Quality Assurance Requirements –0003 Revision "No Change" (SQAR-0003 N/C) which by reference is incorporated herein and made a part of this Purchase Order or Contract. **(For application to P.O.'s or contracts for manufacturers of flight critical (priority) detail parts or assemblies including those foreign suppliers with or without a Bilateral Agreement. This includes suppliers performing special processes such as chemical conversion coatings, plating, heat treat, welding, etc. and suppliers which provide acceptance analysis, testing, non-destructive testing, calibration, etc for any of these products listed)**
- 464 The supplier must establish and maintain a Quality Assurance System acceptable to Gulfstream Procurement Quality. The system must be in accordance with the requirements of Gulfstream Supplier Quality Assurance Requirements –0004 Revision "No Change" (SQAR-0004 N/C) which by reference is incorporated herein and made a part of this Purchase Order or Contract. **(for application to P.O.'s, Contracts for Pass Through Distributors or Inventory Control managers supplying products where the specification conformance of the product as imparted by the original manufacturer has not been affected.**
- 465 The supplier must establish and maintain a Quality Assurance System acceptable to Gulfstream Procurement Quality. The system must be in accordance with the requirements of the Gulfstream Supplier Quality Assurance Requirements –9100 Revision "A" (SQAR-9100 A) which by reference is incorporated herein and made a part of this Purchase Order or Contract. **Supplier must be registered and listed in the Americas Aerospace Quality Group (AAQG) OASIS database.**
- 469 First article inspection to be performed by supplier at supplier's facility prior to first shipment. The actual findings of all characteristics to be recorded by the supplier and a copy of those records included with the first shipment. **Not to be used on orders dated 1-1-2003 and subsequent.**
- 469A First Article Inspection must be performed by the supplier at the supplier's facility prior to the first shipment. The First Article Inspection must conform to the requirements of SAE AS9102. Suppliers instructed by Gulfstream Quality Assurance or Procurement to use the Gulfstream Livelink Portal system must submit First Article Inspection reports electronically using the appropriate Livelink folder. The FAI submittal should be performed prior to initial shipment.
NOTE: Suppliers not instructed to use the Gulfstream Livelink Portal for First Article submittal must include the FAI report with the document package of the first shipment.
- 469B A First Article Inspection must be performed on multiple shipsets of this part number. These First Article Inspections must meet the requirements of SAE AS9102 and GAC additional requirements, found in LiveLink KMSAT "AAP FAI training and upload Information" folder. A copy of those records will be submitted by the supplier into the appropriate LiveLink folder.
- The supplier must uniquely serialize all Multiple First Article Inspection items to aid in identification and tracking. The serial number will be annotated on the AS9102 form or equivalent and all accompanying documentation for each article.
 - The supplier will identify articles associated with a Multiple First Article Inspection by a "FAI" stamp and an assigned serial number. The serial number and FAI stamp must be in close proximity to other identification (part number, etc.) as required by the engineering data, using the same marking material(s)

NOTE: Serial Numbers on articles and/or products delivered to Gulfstream must not exceed 18 characters (to include spaces and symbols) in length.

- Discrepancies must be submitted via LiveLink through the Supplier portal for Gulfstream's review.
- 470 First article inspection must be performed by supplier and Gulfstream Aerospace Procurement Quality Representative(s) at supplier's facility prior to first shipment. The actual findings of all characteristics to be recorded by the supplier and a copy of that record must be included with the first shipment. **Not to be used on orders dated 1-1-2003 and subsequent.**
- 470A First article inspection must be performed by supplier and Gulfstream Aerospace Procurement Quality Engineer(s) at the supplier's facility prior to first shipment. The first article inspection must conform to the requirements of SAE AS9102. A copy of that record must be included with the shipment.
- 471 Product(s) on this order are subject to Gulfstream Aerospace inspection at manufacturing source. Supplier must notify Gulfstream Aerospace Procurement and Quality Department, Savannah or the Gulfstream Aerospace delegated source inspector, one (1) week in advance, as to location of final examination and/or function test, stating purchase order and part numbers. Evidence of Gulfstream Aerospace source inspection must accompany each shipment.
- 472 A conformity required and documented on FAA form 8130-3 or foreign equivalent. **Use for G650 only. Not to be used on orders from any other program dated 5-12-2011 and subsequent.**
- 472A **FAA Conformity Required and Documented on FAA form 8130-9 and 8130-3 or Foreign Equivalent.**
- A Federal Aviation Administration (FAA) Statement of Conformity, FAA Form 8130-9 (latest revision) must be completed by the supplier's authorized Agent as delegated by Gulfstream Quality Assurance. The supplier will notify Gulfstream Purchasing when the 8130-9 has been completed and hold the accompanying article(s) until an authorized Gulfstream Organization Designation Authorizations (ODA) representative completes the conformity inspection and completes an FAA Form 8130-3.
 - To aid in identification and tracking, the Supplier must be responsible to ensure all FAA Conformed article(s) are identified by marking each individual article and accompanying documentation with a "C" and a controlled serial number. The requirement for serialization of the article(s) will be noted on the purchase order with the appropriate Quality Assurance code. The serial number and "C" must be in close proximity to other required identification as noted per the Engineering data. **NOTE:** Serial Numbers on articles and/or products delivered to Gulfstream must not exceed 18 characters (to include spaces and symbols) in length.
 - If a FAA Conformed Article(s) is returned to the vendor (RTV) via a Vendor Return Purchase Order and deemed Scrap / B.E.R., the Supplier will be responsible to provide a replacement FAA Conformed article(s) meeting all the requirements as stated in the above paragraph.
 - The supplier will provide the Gulfstream representative adequate facilities and qualified contacts needed to aid the completion of the FAA/ODA conformity.
- 473 FAA form 8130-3 or foreign equivalent is required for Airworthiness purposes of each new product. Compliance with clause 473 satisfies the requirement of codes 129 / 131.
- 474 FAA form 8130-3 and/or foreign equivalent airworthiness approval, or dual certification as applicable, are/is required from each FAA and /or Civil Aviation Authority approved maintenance organization for each article being "Return-To-Service" after any maintenance or alteration activity. Compliance with clause 474 satisfies the requirement of code 129 / 131.

- 480 Supply a completed Seller Certificate of Compliance, Gulfstream Form GA 0802 or equivalent, with each shipment. Include drawing number, Gulfstream / Industry specifications, sequential processes and materials used in the appropriate blocks. Applicable revisions must be included in the appropriate blocks.
- 481 Special processes called for on Gulfstream Aerospace parts or materials must be performed by sources listed in the "Approved Process Source List" (Contact Gulfstream Procurement Quality Department for current information between publications.)
- 880 All parts returned to Gulfstream Aerospace having been "repaired, overhauled, rebuilt or recertified" by the manufacturer or an approved FAA repair station, must be cosmetically acceptable. (I.e. dings, dents, cleanliness, paint). Also protective covers, plugs and/or material must be installed on ducts, lines, tubes, vents, and electrical connectors and connectors for protection from contamination and physical or electro-static discharge type damage.
- 890 Units listed in Gulfstream maintenance manual, Chapter 5, identified as time limited / time between overhaul must meet the following requirements:
- Units that are listed as Time Limited will have the "time since new" (TSN) or cycles recorded on the shipping documents and certifications. Include a copy of the Gulfstream Aerospace shipping memorandum / rejection notice or the control numbers form each as part of the return package.
- Units that are listed as time between overhaul will have the "time since overhaul" (TSO) or cycles recorded on the shipping documents and certifications. Include a copy of all Gulfstream Aerospace shipping memorandum / rejection notice or the control numbers for each, as part of the return package.
- 900 Supplier must identify all products that require "First Article Inspection" and notify Gulfstream Procurement Quality for instruction prior to shipment of those products. All "First Article Inspection" paperwork must be shipped with the product and a copy sent to: Gulfstream Aerospace Corp., C/O Procurement Quality, M/S A-03, P.O. Box 2206, Savannah, GA 31402.
- 920 All products shipped must be accompanied by the exporting country's Civil Aviation Authority's "Certificate of Airworthiness". Compliance with clause 920 satisfies the requirement of codes 129 / 131. **If article is shipped from a domestic supplier, then compliance with code 920 is not required.**
- 930 A corrective action review has been requested by Manufacturing Engineering. Material Receiving Dept. to place parts on the appropriate procurement buyer "Problem File" until the review is complete. Procurement Quality will remove clause 930 from the applicable system upon an acceptable review and disposition.
- 940 A corrective action review has been requested by Procurement Quality. Material Receiving Dept. to place parts on the appropriate procurement buyer "Problem File" until the review is complete. Procurement Quality will remove clause 940 from the applicable system upon an acceptable review and disposition.
- 945 Used for processing an open DR/DI or DMT against a part and associated vendor upon receipt into Gulfstream. Procurement Quality will add clause 945 in the applicable system along with the applicable DR/DI or DMT number, and part will be placed in the nearest MRB area by, receiving. Once the open DR/DI or DMT has been completed, closed and/or acceptable, Production Control will notify Procurement Quality to remove the 945 clause.
- 999 Safety of Flight Letter Required. A SOF letter is required by Engineering. The Supplier must provide a copy with the first available shipping package.