

Goodrich

Sensors and Integrated Systems

STANDARD CLAUSE 620-400
SUPPLIER QUALITY REQUIREMENTS

4/28/08

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1.0 SCOPE

As a potential, new or existing supplier, this document is being supplied to familiarize you with the requirements that you must meet and with the procedures used by Goodrich Corporation FUS relating to suppliers. The complexity of the systems manufactured by Goodrich and the strict requirements of our customers, demand that all suppliers doing subcontract work for this division employ a quality system that will assure complete conformance to all drawings; specifications; and purchase orders. It should be noticed that requirements will vary depending on supplier and commodity procured.

As an approved or developing supplier you may receive a purchase order from Goodrich for product or subcontract work. The quality requirements will be noted on the purchase order which define the sections of this document which must be complied with to satisfactorily complete the work scope of the purchase order.

As a reference for existing and future Goodrich purchase orders, the supplier is required to maintain this document on file for reference as necessary.

2.0 PURPOSE

This document establishes the minimum quality requirements for all suppliers of materials, goods and services intended to form a product or part thereof to Goodrich whether they are provided by the supplier directly, or are purchased from sub-tier suppliers for use in Goodrich products.

The order of precedence in applying quality requirements shall be:

1. Purchase Order Notes
2. STD Clause 620-400
3. Specific clauses called out on the purchase order.

This document is a supplement to the Purchase Order and does not replace or alter any of the terms and conditions covered by that document or other contractual or specification requirements.

3.0 REFERENCE DOCUMENTS

ISO 9001:2000	International Standard
AS 9100	International Standard Aerospace
AS9102	First Article Inspection Requirements
ANSI-ASQC Z1.4	Sampling Procedures & Tables for Inspection by Attributes
FAR 46.202-3	Standard Inspection Requirements
I-1281	Fabrication Standards for suppliers to Vergennes Location
ANSI NCLS – Z540-1	Calibration Laboratories and Measuring
MIL-STD-1535	Supplier Quality Assurance Program Requirements
MIL-STD-45662	Calibration Systems Requirements

4.0 ORGANIZATION

The supplier shall notify the buyer of any significant changes in the supplier's organization including plant location, manufacturing processes, Quality Management Representative, manufacturing location, ownership and any changes to supplier controlled design features which may affect performance requirements as specified by the Goodrich design documentation.

5.0 QUALITY MANAGEMENT SYSTEM**5.1 Basic System Requirements**

The supplier shall maintain a Quality Management System that will effectively control the quality of their product or service. The system shall clearly define responsibilities and functions of all personnel within this system. The system, as a minimum, shall meet the quality assurance program requirements specified herein. The system shall provide the means for assuring that only qualified parts and material are utilized in all fabrication for Goodrich.

Objective evidence must be available to demonstrate compliance with the requirements of this document and the Goodrich Purchase Order.

When a supplier's Quality Management System has been certified as compliant with the ISO 9001 and/or AS 9100 standards by an appropriately accredited third party certification body, this may be taken into account by Goodrich during the supplier approval process.

In certain cases where suppliers are found that do not need these minimum requirements, Goodrich may elect to develop and assist these suppliers in forming a plan that when used, will allow the supplier to meet the minimum standards. This will allow subcontract work to be placed with the supplier

5.2 Inspection Systems Requirements

The supplier's written procedures shall be used as a guide to all inspection functions. The procedures as a minimum shall include:

- a) All inspection/test requirements and acceptance criteria.
- b) It shall define the type of inspection, sampling level to be used, inspection equipment to be used and it shall also state the latest revision of the procedure and the part numbers that the procedure is applicable to. The sampling plan shall meet, as a minimum, the requirements of ANSI/ASQC Z1.4, latest issue, with the modification that no rejects are permitted in any given sample.

5.3 Records of Inspection and test

The supplier shall document inspection and test requirements to assure that inspection and tests performed during critical phases of the manufacturing process and at final inspection will assure that the deliverable end item meets all required specifications. Records of inspection and test shall be maintained by the supplier for a minimum of (7) years unless otherwise stated on the purchase order. These records shall include as a minimum the following information:

- a) Goodrich purchase order number
- b) part number
- c) engineering drawing latest revision letter
- d) quantity accepted
- e) quantity rejected
- f) each characteristics inspected or tested
- g) A.Q.L. level used for each characteristic
- h) discrepancies found
- i) date of inspection
- j) inspector

5.4 Methods of Identification of Inspection Status

Methods of identifying the inspection status of all parts, subassemblies and assemblies being produced shall be maintained throughout the fabrication cycle, by use of the following or any combination of the following methods:

- a) tags
- b) stamps
- c) routing sheets
- d) labels

5.5 Manufacturing Process Control

It is the responsibility of each supplier to develop a manufacturing process for each part, subassembly and assembly being produced for Goodrich. This process must be in the form of a written procedure that details what the operation is to accomplish, machine and tools to be used, inspection gages required, characteristics to be checked and all fixturing that is required.

Goodrich, in some cases, may assist a supplier in developing these procedures (i.e., minority/small business). When required on the purchase order, Goodrich must approve supplier procedures prior to their implementation.

5.6 Specification, Drawing and Engineering Changes

It is the responsibility of each supplier to have available at his facility all necessary specifications, drawings and procedures needed to produce the desired end item. It is also the responsibility of the supplier to have and to use the issue of all drawing, specifications and procedures as specified on the purchase order.

5.7 Tool Control

The supplier shall maintain a system for the control of all tooling which is owned by Goodrich. All such tooling shall be identified to show part number, drawing change status, tool ownership and inspection acceptance. Seller shall not perform modification on any tooling unless provided by contract change. All modifications and changes must be inspected and approved by Goodrich.

5.8 Supplier Correspondence

All correspondence pertaining to a Goodrich purchase order by a supplier shall be handled through the Goodrich Buyer. The supplier should designate a person to serve as the principle contact with the Goodrich buying staff.

6.0 GENERAL REQUIREMENTS**6.1** Purchase Order Review

Suppliers are required to have in place a system that provides for the review of purchase order requirements. Every effort shall be made to review these requirements prior to the acceptance of the purchase order. Under no circumstances shall a supplier ship product that does not meet the quality requirements as specified on the purchase order or this document.

6.2 Source Inspection and Designated Supplier Quality Representative

Goodrich may elect or employ a third party source inspector and/or a Designated Supplier Quality Representative to inspect parts, and/or witness subassemblies and assemblies at the supplier's facility during processing, testing or at final inspection. This requirement will be so stated on the Goodrich purchase order.

Goodrich Quality Assurance may elect to impose on-site source surveillance/inspection due to product complexity, customer requirements and/or nonconformance history. In the event the seller has failed to take preventative action of notified non-conformances, all costs associated with continued source inspection by Goodrich or a Goodrich approved inspection provider will be borne by the seller without impact to existing pricing. The seller shall permit representatives of Goodrich, its customers, the FAA, and any government regulatory agency, to conduct quality system and/or product audits as may be requested by Goodrich to evaluate quality compliance at the seller's facility and/or any sub-tier suppliers' facilities. The seller shall make available all contracts, specifications, instructions, procedures, records, inspection and test equipment and/or special requirements as may be directed by Goodrich. The seller shall include the substance of this clause in contracts to sub-tier suppliers.

It will be the responsibility of the supplier to notify the Goodrich Quality Department a minimum of five (5) days in advance of when these parts, subassemblies or assemblies will be ready for inspection.

At the time of inspection, the supplier shall have available inspection personnel to assist in the inspection and all required certifications, inspection reports, drawings, specifications and procedures.

6.2.1 Source Inspector and Designated Supplier Quality Representative (DSQR)

Source Inspector Definition - a third party representative employed by Goodrich to inspect parts, and/or witness subassemblies and assemblies at the supplier's facility during processing, testing or at final inspection.

Designated Supplier Quality Representative (DSQR) Definition: A Goodrich appointed supplier representative trained by Goodrich that qualifies and is given the freedom by the supplier and Goodrich to act on behalf of Goodrich QA.

6.2.1.1 Requirements:

Individuals must submit a resume, complete Goodrich training outlined below and meet Goodrich specified eye exam requirements (refer to procedure 2778 or equivalent). Goodrich will review for approval and retain a record of these requirements.

The following training shall be provided by Goodrich to the Source Inspector or the DSQR candidate:

- 1) Complete review of Goodrich quality clause 620-400
- 2) Proper completion of source inspection data entry form and reports
- 3) Methods of the communication of inspection results internally within the supplier organization and to Goodrich.

Supplier shall perform and document RCCA on all non-conformances found.

Supplier shall forward source inspection data results including RCCA to Goodrich on a monthly basis and as requested.

Inspection criteria shall be established utilizing corrective action and MRB history, identified key characteristics and audit findings.

All inspection shall be at 100% unless an alternate sampling plan is approved by Goodrich.

DSQR- Upon successful completion of qualifications and form # 27974 Goodrich will assign a unique stamp to such individuals. An imprint of assigned stamp must appear on form.

6.2.2 Government Source Inspection

When a purchase order specifies "Government Source Inspection Required," the supplier shall immediately furnish a copy of the purchase order to the government representative who has delegation for his facility. If the supplier does not have such a representative he shall notify the government inspection service fourteen (14) days in advance, when possible, of the time when such inspection will be required.

6.2.3 FAA and/or Customer Surveillance

The supplier and supplier's sub-tier suppliers must submit to FAA (or equivalent foreign government agency) and/or Goodrich customer and/or Goodrich inspection surveillance upon advance notification from Goodrich.

6.3 Supplier Surveys

6.3.1 **Supplier Quality System Survey** – Postal - New suppliers must complete a quality system survey form as directed by Goodrich. Thereafter the survey form must be completed every 2 years.

6.3.2 **On-Site Survey** - At its option, Goodrich may elect to conduct an on-site survey of a supplier whether new, existing or proposed. When it is the intention of Goodrich to conduct such a survey; arrangements will be made with the supplier on advance of the survey.

6.4 Supplier Subcontracting

Subcontractor Flow-down - Where subcontracting is permitted, the identification and selection of subcontractors shall ensure their capability to meet quality requirements and flow down of contract requirements. The supplier shall also ensure that flow down of quality and contractual requirements to subcontractors provides for control of characteristics not verifiable after receipt. The supplier must flow down to sub-tiers all applicable requirements identified on the Goodrich purchase order.

6.5 Shop Floor

It is the responsibility of the supplier to maintain control and status of material, parts, sub-assemblies throughout the fabrication cycle.

6.6 Traceability

All parts should be identified by production lot from the supplier. This is to maintain traceability of the supplier's sub tier contractors as well as supplier protection.

6.7 Serialization

Goodrich may require a supplier to serialize parts, subassemblies or assemblies. When this is required, Goodrich will so state on the purchase order or design documentation.

6.8 First Article/Final Inspection

6.8.1 **First Article Inspection** - First Article Inspection shall be conducted by the supplier in accordance with SAE AS9102. The supplier may document the FAI on their own form provided it meets the requirements of AS9102. Goodrich Quality reserves the right to request First Article Inspection on any part, subassembly, assembly or tooling. The supplier will tag the First Article part and submit it with the shipment.

Form 1, Field 18, "FAI Report Number", is a REQUIRED field. The FAI Report Number shall be given for all component parts listed that are required to have a First Article Inspection per section 4 of the Standard. If the component part is a Standard Catalog Hardware then "n/a" shall be entered.

Complete FAI reports for components specified in the index of components on Form 1 are not required to be submitted with the assembly FAI, but are required to be kept by the supplier and must be available to Goodrich during on-site audit or by email within 48hrs.

All Goodrich designed components require an FAI. Such components are not considered Standard Catalog Hardware. An example would be a Printed Wiring Board.

The FAI for a revision change or version change to an assembly may be a Partial FAI as long as an acceptable Full FAI exists for the baseline revision or version. Such changes are made via an Engineering Change Order (ECO). The baseline revision or version must be identified in Form 1, Field 14. Only the component parts being added to or deleted from the baseline are to be listed in the Index of part numbers on Form 1. In Form 1, Field 18, added parts shall have an FAI report number or "n/a" listed as appropriate and deleted parts shall indicate "deleted". In Form 3, all characteristics changed since the baseline shall be listed, with the applicable ECO identified in Field 14.

- 6.8.2 ***On-Site First Article Inspection*** - Goodrich may elect to perform in-process inspections. In-process inspection points will be set up at various points during the manufacturing process. It is the responsibility of the supplier to notify Goodrich five (5) days in advance of when such inspection can be accomplished. This requirement will be noted on the purchase order or supplement as necessary.

First Article Inspection, in-process sample inspection and sample source inspection is not to be considered as Goodrich acceptance of an order. Final acceptance will be accomplished at Final Inspection.

6.9 Gage Calibration Systems

The supplier shall maintain or establish (for Goodrich product) a system assuring that all gages, tools and fixtures used meet the required accuracy. All tooling, fixtures and gages used as vehicles of inspection shall be included in this system. The system shall be controlled to prevent the use of damaged, worn, obsolete or out of calibration gages, fixtures or tools. The system shall meet the requirements of ANSI (NCSL) Z540-1 (latest revision) or MIL-STD-45662 and employ the use of written procedures for all phases. The supplier shall conduct verifiable periodic audits of this system to monitor its effectiveness and to make corrections as required. The supplier is responsible for obtaining any and all gages necessary to assure product conformance.

6.10 Nonconforming Material

Goodrich does not authorize any of its suppliers to make dispositions on nonconforming material relating to parts, subassemblies or assemblies unless material review authority is granted in writing. Suppliers should take the following steps when nonconforming material is found:

- a) Identify the nonconforming material and segregate it in a bonded area.
- b) Submit a Goodrich Request for Deviation/Waiver detailing the discrepancy, quantity discrepant, the cause and corrective action to eliminate the discrepancy.
- c) Supplier may submit to Goodrich a procedure to repair such discrepancies. However, such procedures must be approved by Goodrich and are only to be used to repair the

- amount of parts, subassemblies or assemblies stated to be discrepant on the Supplier's request. Acceptance of the request does not imply final acceptance of the product.
- d) Known defective parts/material are not to be sent to Goodrich without an approved Request for Deviation/Waiver enclosed with parts.

When the supplier has any reason to suspect nonconformance of any delivered product then the supplier must immediately notify Goodrich.

DISCLOSURE: The supplier shall notify Goodrich of any anomalies associated with product that may have been shipped at any time against this purchase order. The notification shall take place within 3 days and confirmation of receipt must be available upon request.

6.11 Return of Goodrich Material

Goodrich reserves the right to recall all materials issued to a supplier whether or not the supplier is able to successfully manufacture the desired end items.

6.12 Cause and Corrective Action Requests for Discrepancies Identified by Goodrich Receiving Inspection

Corrective action submitted to Goodrich by suppliers shall identify the cause and be sufficient to eliminate the subject discrepancies on all future fabrications of the subject part, subassembly or assembly. Failure of the corrective action to correct the problem will result in the rejection of the supplier's subsequent lots for this part.

6.13 In-Process Preservation and Cleanliness and Foreign Object Debris/Damage (FOD) Prevention

Suppliers shall employ procedures that will assure the cleanliness, the prevention of damage and the protection from the environment for all parts, subassemblies and assemblies being produced for Goodrich.

A. Seller shall maintain a FOD prevention program. Seller's FOD prevention program shall include the review of design and manufacturing processes to identify and eliminate foreign object entrapment areas and paths through which foreign objects can migrate. Seller shall ensure work is accomplished in a manner preventing foreign objects or material in deliverable Items. Seller shall maintain work areas and control tools, parts and materials in a manner sufficient to preclude the risk of FOD incidents. Seller shall document and investigate each FOD incident and ensure elimination of the root cause of each such incident.

Whenever and/or wherever FOD entrapment or foreign objects can migrate, Seller's FOD prevention program shall include Seller's periodic self assessment of its internal FOD prevention practices, including each respective subcontractor's FOD prevention program at every tier to measure effectiveness of program compliance to requirements.

Seller's FOD prevention program shall provide initial and periodic FOD training to Seller's employees.

Seller shall provide records of such self assessment and training to Buyer, upon request.

B. Seller's FOD prevention program shall, at a minimum, contain the following elements:

1. Design & Manufacturing Process Review,
2. Performance Measurement,
3. Training,
4. Material Handling and Parts Protection,
5. Housekeeping,
6. Tool Accountability,
7. Hardware Accountability,
8. Lost Items Search and Documentation Process,
9. Physical Entry Control into FOD Critical Areas, and
10. FOD Focal Point(s)

C. Whenever and/or wherever FOD entrapment or foreign objects can migrate, Seller shall ensure that this FOD requirement are this down to Seller's subcontractors at every tier.

D. Prior to closing inaccessible or obscured areas and compartments during assembly, Seller shall inspect for foreign objects/materials. Seller shall ensure that tooling, jigs, fixtures, and test or handling equipment are maintained in a state of cleanliness and repair sufficient to prevent FOD.

By delivering Items to Buyer, Seller shall be deemed to have certified to Buyer that such Items are free from any foreign materials that could result in FOD.

6.14 Packaging and Shipping

Suppliers shall assure that all parts, subassemblies and assemblies shipped to Goodrich are:

- a) protected from the environment to prevent oxidation or corrosion
- b) packaged to prevent damage during shipment (Styrofoam packing peanuts are not to be used)
- c) identifiable and traceable to a Goodrich purchase order

The above requirements apply unless otherwise specified on the purchase order.

6.14.1 Drop Shipments

If the "ship to" address on this purchase order is other than to Goodrich-Vergennes, VT. the supplier must provide evidence of final inspection indicating lot quantities, sample sizes and acceptance quantities. This evidence shall be submitted to Goodrich QA accompanied by Goodrich form No. 27620-2 for review and acceptance prior to any/each time parts are shipped. In lieu of submission of inspection evidence and form 27620-2, Goodrich may elect to have the parts source inspected by a Goodrich approved third part source representative or a Goodrich approved Designated Supplier Quality Representative (DSQR) per Goodrich quality clause 400 section 6.2..

6.15 Moisture Sensitive Devices

Parts shall be PACKAGED as moisture sensitive if either the FUS drawing specifies them as moisture sensitive or the manufacturer knows them to be moisture sensitive.

6.16 Manufacturers' Certification of Compliance

A certification of compliance to the Goodrich engineering drawing and purchase order is required for each part, subassembly and assembly each time it is produced. The certification will be retained by the supplier unless specifically requested by purchase order clauses. Suppliers are also required to submit a certificate of compliance for special processes, including but not limited to the following:

- a) heat treat
- b) plating
- c) magnetic particle inspection
- d) ultrasonic inspection
- e) fluorescent penetrant inspection
- f) welding
- g) soldering
- h) radiographic inspection

Distributors must retain the original Manufacturers' Certificate of Compliance of all parts shipped.

All suppliers Certificates of Compliance must contain the following information:

- a) prime supplier's name
- b) Goodrich purchase order number
- c) Goodrich part number
- d) quantity accepted

6.17 Receiving Inspection Procedure at Goodrich

Goodrich may elect to perform inspection on products received from a supplier and return all products, at the supplier's expense, that do not meet Goodrich specifications. All parts, subassemblies and assemblies are subject to inspection for conformance to the characteristics on the Engineering drawing and purchase order. All parts will be visually inspected for damage that may occur during transit due to improper packaging or preservation.

6.18 Goodrich Shop Practice Standard

The Shop Practice Standard is designed to assist suppliers during the inspection and fabrication of all parts, subassemblies and assemblies. It is used to supplement the Engineering drawing and in no way is to be used to eliminate an Engineering drawing requirement. The Shop practice Standard defines the workmanship requirements that do not specifically appear on the engineering drawings.

6.19 FAA Conformity Inspection

All detail parts, subassembly and assemblies in the configuration of the end item as defined in the purchase order shall be subjected to an FAA conformity inspection, except as waived by the responsible FAA Regional Representative. Documentation reflecting compliance with this requirement must accompany the shipment.

7.0 SPECIAL REQUIREMENTS

Certain types of material, parts, subassemblies and assemblies have additional requirements imposed on them by Goodrich and will be so noted on the purchase order.

7.1 Special Processes

Effective January 1, 2007 Special process suppliers must be Nadcap approved unless otherwise directed by the purchase order. Use of Nadcap approved sources does not relieve the supplier's responsibility for the quality of purchased materials and services.

Special Processes

- Nondestructive Testing
- Heat Treat
- Chemical Processing (includes plating)
- Composites
- Welding

7.2 Deleted**7.3 Raw Material and Forgings**

Raw material and forgings are to be traceable to the manufacturer and the heat number of the melt. A complete certification relating to physical and chemical properties is required. A material sample for metallurgical examination will be submitted if required by the purchase order.

7.4 Castings

Castings are to be traceable to the manufacturer and the heat number of their melt. Complete certification to the following is required:

- a) manufacturer's certification of compliance to blueprint
- b) material certification (chemical, physical, heat numbers, heat treat verification)
- c) certificate of magnetic particle or fluorescent penetrant
- d) radiographic films with inspection report
- e) Spectrographic sample representing each melt with identification to part number and melt number.

7.5 Heat Treat Operations

Whenever a supplier subjects a part, subassembly or assembly to a Goodrich required heat treating process, the certification must exhibit results of inspection required by the heat treat specification. If testing of heat treat specimens will render the parts unusable then the supplier must contact Goodrich for special instructions.

7.6 Personnel Certification

Goodrich requires that all personnel employed by a supplier to perform special processes that require certification be so certified to the applicable specification:

- a) radiographic inspection
- b) eddy current

- c) fluorescent penetrant inspection
- d) ultrasonic inspection
- e) magnetic particle inspection
- f) welding/brazing
- g) soldering

7.7 Subassemblies/Assemblies

In addition to any test or inspection that is already required by the drawing or this specification, all subassemblies and assemblies that are joined together by staking, welding, riveting, brazing, soldering, epoxy or other methods require 100% inspection of this characteristic.

7.8 All Parts, Subassemblies and Assemblies

Goodrich does not allow suppliers to make any material substitutions or design changes without its permission in writing prior to such change.

7.9 Age Controls

The supplier shall provide for control of material which have limited storage life requirements. The Age Control System must include a method for identifying the age of such materials, for removing over-age materials from stock and work in process and for ensuring that articles containing over-age materials are not delivered to Goodrich. Periodic documented Quality audits of compliance with the requirement of this paragraph shall be performed by the supplier.

7.10 Radiographic Inspection

When a purchase order requires radiographic inspection per Engineering drawing and/or applicable specification, the x-ray film and a legible copy of the report shall accompany this material to Goodrich for review. The inspection shall be performed by a Goodrich approved source. Goodrich reserves the right to source inspect this operation. Supplier shall notify Goodrich five (5) days prior to performing such inspection when this type of source inspection is noted on the Goodrich purchase order.

7.11 Nondestructive Inspection Requirements

The appropriate nondestructive inspection, if applicable, will be accomplished in accordance with MIL-STDs and other applicable specifications contained in the purchase order and/or drawing and is required for all articles covered by this purchase order.

7.12 Computer Software Controls

Supplier shall establish and implement a Software Quality Assurance Plan (SQAP) to assure that deliverable software and non-deliverable software used directly for the design, fabrication, inspection, test or operation of deliverable articles is controlled and complies with the intent of DO-178B requirements.

8.0 GENERAL INFORMATION**8.1 Receiving Inspection Rejection Reports**

Whenever parts/subassemblies are found to be defective during the course of receiving inspection, a Goodrich MRB is issued.

A copy of this report is sent to the supplier requesting cause and corrective action for all discrepancies listed. The supplier has twenty (20) days from the date of issuance to supply this information. Failure of a supplier to respond within the required time frame may result in the suspension of all orders to the supplier until the above requirements are met. All payments for parts may be delayed until cause and corrective action have been satisfied.

8.2 Goodrich Supplier Rating System

Goodrich maintains a supplier rating system for all of their subcontractors. The rating system is based on results of surveys of the supplier's quality system and product conformance.

Surveys:

Approved (A) Acceptable results of the supplier's quality system

Deficient (D) Unacceptable results of the supplier's quality system

Probationary (P) New supplier with acceptable quality system **or unacceptable product quality performance with acceptable RCCA plan**

Conditional (C) Unacceptable product quality performance

Key (K) Key supplier

Unacceptable/Inactive (I) Unapproved for lack of a supplier quality system survey and/or unacceptable performance and/or failure to respond to requests for corrective action

SUPPLIER PERFORMANCE PPM RATING

The supplier performance PPM Rating is a calculated value that represents the supplier's ability to provide conforming material. Supplier caused MRBs are used in the determination of this value. This value is subject to change based on SQE validation. This PPM Rating shall be computed monthly.

The Supplier Performance PPM Rating is calculated using the following formula (PPM):

PPM Rating = Sum of supplier cause MRB pieces in each month / Sum of pieces received from supplier in each month X 1,000,000

Nominal PPM Target = 10 MRB pieces / Average monthly receipts from the supplier in the past 3 months

Upper PPM limited to 20,000 (98%) for suppliers with receipts of 500 pieces or less

Lower PPM limited to 2000 (99.8%)for suppliers with receipts more than 5000 pieces

The supplier must maintain an acceptable monthly quality performance. Those suppliers falling below acceptable levels will be subjected to requests for corrective action and/or audits, and/or status change.

Suppliers will be provided with periodic reports of their performance and may request detail information or corrections at any time.

8.3 Supplier Certification

Goodrich does not administer a supplier "certification" program. Certification programs traditionally provide for the reduction of receiving inspection based on positive results of audits and receiving inspection. Goodrich determines the amount and extent of inspection on a given part based on the part complexity, real time part quality performance history, customer requirements and supplier surveillance. The supplier should provide the same level control over the quality of their product regardless of the status they are granted by Goodrich.

8.4 Key Supplier

Goodrich may elect to designate a supplier as a "Key Supplier". This is defined as a supplier where nonstandard controls over delivery and quality are necessary to assure the success of Goodrich and Goodrich customers. Such control may include periodic product audits, increased surveillance audits, source inspection, and/or selection of a DQR (Designated Quality Representative).

9.0 VERIFICATION

Verification of a supplier's adherence to any and/or all aspects of this specification may be conducted (Supplier Facility Audit) by Goodrich, the Government, and/or Goodrich's customer who purchases the end item.

Whenever a supplier facility is to be audited by Goodrich and/or its customer, arrangements for the audit will be made by Goodrich with the supplier as related to time, day, and content of the audit a minimum of five working days prior to the performance of such audit.

Goodrich customers wishing to perform an audit at one of Goodrich's supplier facilities shall request that the proposed audit be scheduled by the Goodrich Quality Department ten days prior to the performance of the audit. The date and content of the proposed audit scheduled by Goodrich shall be mutually acceptable to Goodrich's customer and supplier.

10.0 PRODUCT SAFETY AND INTEGRITY

It is the policy of Goodrich to design, manufacture and supply products and services which result in, or contribute to, safe conditions for its customers and the users of such products. In furtherance of this policy suppliers shall establish controls and procedures which ensure that the attention necessary to the achievement of this objective is given throughout the design, development, production and support of their products and services as appropriate. The supplier shall operate a system that provides for the immediate notification of related reports of product nonconformance that have suspected or actual product safety and integrity implications, and bring these to the immediate attention of Goodrich.

11.0 ALERTS

The following companies must not be utilized to fabricate product supplied on this purchase order:

Anco Tech Inc./Anco Tech Acquisition 7/03

West Coast Aluminum/Temperform 7/03 or Hydroform USA 5/05

Western Titanium 6/04

Air Capitol Plating 4/05

Domestic sources shall be used for all specialty metals defined in DFAR 252.225.

<u>Revision Letter</u>	<u>Revision</u>	<u>Revision Date</u>
Initial	Standard never issued before this publication	2/1/2006
2	Added paragraph 6.15	10/19/2006
3	Added to existing paragraph 2.0 Purpose; added to existing paragraph 6.14 b) and added paragraph 6.14.1	05/31/2007
4	Revised 6.2, 6.2.1, 6.2.2, 6.2.3, 6.8.1, 6.13, 6.14.1, 8.2, added 6.2.1.1, deleted 8.5	04/28/08