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TITLE / TITULO DEL DOCUMENTO:  
C.E.GILLMAN COMMON SUPPLIER QUALITY  
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SECCION AS9100 / ISO: 7.4.2

The purpose of this document is to identify common quality clauses used on purchase orders by Charles E. Gillman. This document establishes the minimum quality requirements.

## Change Management

Charles E. Gillman has a common and effective Change Management System. This system is designed to ensure that Customer requirements including: Change identification, Change control, material status, Cost impact, effectivity points and audit/verification are planned, implemented, and monitored in conjunction with other program requirements.

The Gillman supply Chain Management Buyer will maintain control of supplier / subcontractor activities to assure compliance with the Gillman Change Management System and all System and all customer requirements applicable to procured items:

- Cost & Price Impact
- Lead –time and Schedule Impact
- Piece number converted to vehicle effectivity
- Affect contract(s)
- Change paper requirement date
- Rework/rework cost (if required)
- Obsolescence/obsolescence cost (if required)
- Concurrence

Any changes to a part that a Supplier is producing for Charles E. Gillman must be coordinated through a Supply Chain Management Buyer. Suppliers cannot follow direction on part changes from either Production or Engineering. The buyer will incorporate approved changes affecting vendor supplied material into Purchase Order Contract.

## Responsibility

The Purchasing Manager has the responsibility to determine which codes are applicable on their purchase orders and send to each supplier this document.

It's the responsibility of the supplier to review all identified quality clauses and ensure compliance to the specified requirements. When there is any confusion or conflicts between identified clauses or other Gillman documentation, then it is the supplier's responsibility to contact the Gillman to buyer to resolve those conflicts prior to initiating work.

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## A1 – C of C

SUPPLIER shall provide Certificates of Conformity for product delivered, including the parts used, the materials used, the procedures used and the equipment used in fulfillment of the Purchase Order requirements.

## A2 – Guidance for Non-Conformance product or Services Control.

SUPPLIER shall notify CEG of nonconforming product or process prior to delivery and wait for CEG's approval of supplier nonconforming product. Supplier shall maintain Objective Quality Evidence of CEG's approval of supplier nonconforming product. The supplier organization shall take action to determine and eliminate the cause of nonconformities in order to prevent reoccurrence and to provide Objective Quality Evidence to CEG, and/or our customers, assuring them of the quality of delivered goods.

When the SUPPLIER determines a nonconformance exists or is suspected to exist on goods and/or services delivered or prior delivered, Seller shall notify CEG Buyer's; Shipments of goods containing nonconformities are not allowed until all disposition actions have been properly approved/completed.

Suppliers shall contact CEG Buyer' and provide as required, the following information to obtain Buyer disposition.

- Part Number, Nomenclature, Serial/Lot Number(s), and Quantity of nonconforming item(s).
  - Contract or P.O. information,
  - Reference to the Drawings and Specifications, including revisions
  - Complete description and location of nonconformance, including;
    - (a) Actual condition
    - (b) Design (drawing/spec) requirement and tolerance
    - (c) Details of thenonconformance (drawing sheet, zone, view, distance from Datum, etc.)
- 5) Statement of whether or not condition exists on previously shipped goods.
- 6) Recommended disposition (if Use-as-is; technical rationale to support the recommendation is required)
- 6) Delivery Impact if product or service is not yet delivered or provided.
- 7) Corrective Action including;
  - (a) Cause of nonconformance
  - (b) Action taken to preclude recurrence (not a promise of future action).

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Seller identifies nonconforming condition(s) which affects fit, form, function, safety, or appearance (where a factor), of goods or services not yet delivered CEG buyer shall be notified, risk of delivery shall be communicated. (c) Affectivity of corrective action by date or serial/lot number.

(d) Name and title/position of employee responsible for the corrective action.

## Certification / Test Report Provisions

### **C1 – Mat. Cert.**

Material Certification is required to accompany the part(s) with the shipment.

### **C2 – Plating Cert**

Plating Certification is required to accompany the part(s) with the shipment.

### **C3 – Special Process**

Special Process Certification is required to accompany the part(s) with the shipment.

### **C4 – Test Reports**

Test Reports required with the shipment.

### **C5 – Proc. Cert.**

Raw Material Process Certification and Test Reports required with the shipment.

### **C6- RoHs**

Material Certification is required to accompany the part(s) with the shipment

## Distributor Provisions

### **D1 – Mat Cert**

Material certifications and/or inspection/test data must be maintained at Distributor’s facility and furnished to CEG upon request.

### **D2 – Traceability**

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Material to be identified and traceable to manufacturer's part number, lot number, date code for all electronic and electrical parts, raw material, and mechanical machined parts, etc.

### **D3 – Orig. C of C**

Original Manufacturer's Certificate of Compliance is required with shipment.

### **D4 – Dist C of C**

Distributor's Certificate of compliance must identify the original manufacturer and lot number for traceability. The original manufacturer's Certificate of Compliance must be maintained by the Distributor for a minimum of 10 years and be available upon CEG's request.

## **Electronic Assemblies**

### **E1 – ESD Control**

Parts used are to be ESD controlled per ANSI/ESD S20.20-2007, ESD Association standard for- the Development of an Electrostatic Discharge Control Program for Protections of Electrical and Electronic Parts, Assemblies and Equipment.

### **E2 - ESD Plan**

Suppliers are required to have an ESD Control Program Plan – recommended guidelines per ANSI/ESD S20.20-2007.

### **E3 – ESD Pack**

Electrostatic discharge sensitive materials must be packaged in proper ESD protective packing, identified with the proper ESD Labels, and receiving paperwork must not be placed inside the ESD bags with the components. Class 0 components are to be marked as such.

### **E4 – Soldering**

Soldering materials, processes used and cleanliness requirements shall be in accordance with ANSI/J-STD-001, Class 3, Requirements for Soldered Electrical and Electronic Assemblies.

### **E5 – Workmanship**

Workmanship shall be inspected and certified to conform to the requirements specified by IPC-A-610, Acceptability of Electronics Assemblies.

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Seller must comply and flow down FAR # 46.202.2

## Inspection Provisions

### **I1 – FAI**

Supplier is to provide First Article Inspection documentation to AS9102 Standard (Latest Revision) with shipment. The First Article piece should be tagged as such.

## Purchase Order Provisions

### **P1 – Labeling**

All shipments must be labeled per CEG Vendor Supplied Label specification (latest Rev) or have written exemption on file with the Purchasing Manager.

### **P2 – Pricing**

INVOICES must bear exact same prices and terms or authorization for changes must be received from CEG in writing prior to shipping.

### **P3 – Specs.**

Goods not in accordance with specifications will be rejected and held at vendor’s risk awaiting disposal. Vendor must pay freight on all rejected material.

### **P4 – Cancellation**

The right is reserved, to cancel all or part of this order if not delivered within the time specified.

### **P5 – Pack Slip**

Packing slips and C of C’s must accompany all shipments.

### **P6 – Regulations**

By acceptance of this order, vendor warrants that all merchandise shipped under this order does comply with all laws and regulations of Federal and State governments.

### **P7 – Back orders**

Back orders must be prepaid when less than a minimum freight shipment.

### **P8 – Interruption**

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In the event of interruption of our business in whole or in part by reason of fire, flood, windstorm, earthquake, war, strike, embargo, acts of God, governmental action, or any causes beyond our control, we shall have the option of cancelling undelivered orders in whole or part.

**P9 – Acceptance**

Acceptance of this purchase order or shipment of any part of it will constitute an agreement to all of its specifications as to terms, delivery and prices.

**P10 - Revision**

Rev items indicated as, “\*\*” must be manufactured to the latest documented revision.

**P11 – FOD**

Supplier shall maintain Foreign Object Debris/Damage (FOD) prevention program including:

- A review of manufacturing processes to identify and eliminate foreign object entrapment, periodic self audit
- The Buyer’s right to perform FOD prevention Program audits
- Periodic self audit of supplier’s internal FOD prevention practices
- And to provide periodic FOD training to employees.

**P12 – Lot Code**

Items provided on this purchase order have the following lot traceability requirements:

- Each shipment shall only be from one Date or Lot Code
- Components too small to have a Date or Lot code marking shall have their packaging identified with the appropriate Date or Lot Code marking

**Customer Flow-down Requirements**

**R1 – AMG Quality**

Supplier shall comply with all applicable AMG’S Quality Requirements per FM1261-1. See AM General’s website [WWW.AMGeneral.com](http://WWW.AMGeneral.com)

**R2- General Dynamics Land Systems**

See website [WWW.Generaldynamics.com/suppliers](http://WWW.Generaldynamics.com/suppliers)

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Supplier shall comply with all applicable GDLS Quality Clauses and GDLS Quality Purchase Order Requirements.

### **R3- DRS Technologies**

Supplier shall comply with all applicable DRS Quality Requirements per DRS-SCQ-0100

See website: [WWW.DRS.COM](http://WWW.DRS.COM)

### **R4- Tecom Industries, Inc**

Supplier shall comply with all applicable Tecom Quality Requirements per SQC-100

### **R5- Boeing**

Supplier shall comply will all applicable Boeing Quality Requirements per Boeing Supplier Clauses.

See website: [WWW.boeing.com](http://WWW.boeing.com)

### **R8- Lockheed Martin**

See website: [WWW.lockheedmartin.com/suppliers](http://WWW.lockheedmartin.com/suppliers)

Supplier shall comply with all applicable Lockheed Martin Quality Requirements per PS-E-16 and PS-E-3.

### **R9- Northrop Grumman**

See website: [WWW.northropgrumman.com/suppliers](http://WWW.northropgrumman.com/suppliers)

Supplier shall comply with all applicable Northrop Grumman Quality Requirements per ISF P318.

## **Shelf-life Provisions**

### **S1 – Shelf Life**

The material supplied on this purchase order shall be accompanied by a shelf-life certificate. The material shall be received with at least 75% of the specified shelf life remaining.

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## Unique to Purchase Order

### **U1 – Accreditation**

Special process suppliers shall require accreditation through the National Aerospace and Defense Contractors Accreditation Program (NADCAP) as a pre-requisite for CEG approval.

### **U2 – Qual Record**

All quality records (non-electronic) shall be documented in ink or other permanent marking.

### **U3 - Deviation**

The following must be requested in writing to the Buyer and approved in writing from CEG prior to incorporation:

- An anomaly noted in a drawing or specification that could result in a non-conformance.
- Lack of clarity or definition in a drawing or specification.
- A request for an alternate method to a quality system requirement.

### **U4 – CAR**

Corrective Action Request: When a Quality Problem exists, CEG shall request a Corrective Action from the Vendor (Supplier) such request require timely responses and should include the following information: Description of the Non-Conformance, Root Cause (analysis of the cause of the discrepancy) and the Corrective Action Taken to prevent recurrence including effectively date.

### **U-5 - Affir Action**

The Affirmative Action clauses prescribed in 41 CFR60-1,4 pursuant to Executive Order 11246, as amended, 41CFR 60-250.4 pursuant to 8402 of the Vietnam Era Veterans Readjustment Assistance Act of 1974, and 41 CFR 60-741.4 pursuant to 8503 of the Rehabilitation Act of 1973, as amended, are incorporated by reference as if fully set forth herein.

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