

TULMAR QUALITY CLAUSES



Table of Contents

QUALITY CLAUSE GROUPINGS [05 Jul 2019]	4
GENERAL NOTES	5
G1 Purchase Order Compliance [05 Dec 2011]	5
G2 Identification of Manufacturer [28 Aug 2015]	5
G3 Information Submitted by Supplier [28 Aug 2015]	5
G4 Limited Life Materials Documentation [28 Aug 2015]	5
G5 Hazardous Material Acknowledgment [28 Aug 2015]	5
G6 Identification & Packaging [28 Aug 2015].....	6
G7 Limited Life Materials Documentation [24 Aug 2012]	6
G8 Hazardous Material Acknowledgement [24 Aug 2012]	6
G9 Personnel Qualification and Awareness [05 Jul 2019].....	6
QUALITY MANAGEMENT SYSTEMS	7
Q1 Quality Management System [05 Jul 2019]	7
Q2 Quality Inspection System [05 Jul 2019].....	7
Q3 Calibration System [05 Dec 2011]	7
Q4 Calibration System [05 Dec 2011]	7
Q5 Quality Records [05 Dec 2011]	7
Q6 Quality Records [05 Dec 2011]	8
Q7 Requirements Flow-Down [03 Feb 2012]	8
Q8 Requirements Flow-Down [05 Dec 2011]	8
Q9 Quality Records [24 Aug 2012]	8
Q10 Quality Records [05 Jul 2019]	8
CERTIFICATION OF COMPLIANCE	9
C1 Certificate of Compliance [28 Aug 2015]	9
C2 Aviation Certification Requirements [24 Aug 2012].....	9
FIRST PIECE INSPECTION	10
F1 First Piece Inspection Requirements [28 Aug 2015]	10
F2 Extended Approval of First Piece Inspection [28 Aug 2015].....	10
F3 First Piece Inspection Package [28 Aug 2015].....	10
F4 Inspection Record [28 Aug 2015].....	11
F5 Tool and Equipment Identification [28 Aug 2015].....	11
F6 Certified Material Test Report [28 Aug 2015]	11
F7 Trial Fit [24 Aug 2012]	11
F8 Engineering Prototype Approval [24 Aug 2012]	11
F9 First Piece Inspection Package in Shipment [28 Aug 2015]	11
INSPECTIONS AND TESTS	12
T1 Inspection and Test Plan [24 Aug 2012]	12
T2 Functional Testing [28 Aug 2015]	12
T3 Test Data Submittal Requirement [07 Feb 2012]	12
T4 Test Specimen Acceptance [05 Dec 2011]	12
T5 C=O Sampling Plan [28 Aug 2015]	12
T6 Tulmar Source Inspection [28 Aug 2015].....	13
T7 Engineering Prototype Approval [28 Aug 2015]	13
NONCONFORMANCES & CORRECTIVE ACTION	14
N1 Non-Conformances [22 Jan 2013].....	14

N2 Change of Product or Process [28 Aug 2015]	14
N3 100% Inspection [28 Aug 2015].....	14
SPECIALIZED CLAUSES	15
S1 Identification Requirements [03 Feb 2012]	15
S2 Serialization Requirements [28 Aug 2015].....	15
S3 Special Manufacturing Process [24 Aug 2012]	15
S4 Weld Requirements [29 March 2018]	16
S5 Weld Requirements [05 Dec 2011].....	16
S6 CARC Paint Process Requirements [28 Aug 2015]	16
S7 Painting, Plating & Coating Requirements [05 Dec 2011]	16
S8 Externally Threaded Fasteners [22 Jan 2013]	17
S9 Standard Fasteners [16 Feb 2012]	17
S10 Additional Requirements [28 May 2015]	17
S11 Paint Process Approval [28 Aug 2015]	17
S12 Weld Certification [28 Aug 2015]	18
S13 Counterfeit Parts [28 Aug 2015]	18
S14 Additional Marking [28 Aug 2015].....	18
S15 Graded Fasteners [28 Aug 2015].....	18

QUALITY CLAUSE GROUPINGS [05 Jul 2019]

Gr. A: G1 to G6, Q1, Q3, Q5, Q7, C1, F1 to F6, T5, N1, S4, S6, S8

Gr. B: G1 to G6, Q2, Q4, Q6, Q8, C1, T5, N1, N2, S5, S7, S9

Gr. C: G1 to G6, Q6, C1

Gr. D: G1, G7, G8, Q1, Q3, Q9, C2

Gr. E: G1 to G6, Q1, Q3, Q5, Q7, C1, T5, N1, N2, S5, S7, S9

Gr. F: G1 to G6, Q1, Q3, Q5, Q7, C1, F1 to F6, F9, T5, N1, S4, S6, S11, S12, S13, S14, S15

Gr. G: G1 to G6, G9, Q1, Q3, Q7, Q10, C1, F1 to F6, T1, T5, N1, S7, S9, S12, S13

Use of Clause Codes (as found on Purchase Order):

Example:

If you see [GrBT3] on a purchase order, this means that all clauses from Group B and clause T3 are applicable.

If you see [GrB-C1] on a purchase order, this means that all clauses from Group B except clause C1 are applicable.

GENERAL NOTES

G1 Purchase Order Compliance [05 Dec 2011]

The Supplier is responsible for full compliance to all stated Quality Clauses and Purchase Order Specifications. In case of conflict or lack of clarity with respect to contractual terms and requirements, it remains the Supplier's duty to contact Tulmar for resolution or clarification of requirements.

G2 Identification of Manufacturer [28 Aug 2015]

[Delete, see C1]

G3 Information Submitted by Supplier [28 Aug 2015]

Where a clause requires specific information to be submitted to Tulmar in accordance with G3, the Supplier shall submit the specific information to:

- For Tulmar Safety Systems orders (Hawkesbury, ON, Canada): sga@tulmar.com quoting the subject, Tulmar Part Number, Tulmar Purchase Order and line item numbers.
- For Tulmar Manufacturing orders (Ogdensburg, NY, USA): tmsga@tulmar.com quoting the subject, Tulmar Part Number, Tulmar Purchase Order and line item numbers.

The use of Tulmar forms is recommended. Forms are available for download at www.tulmar.com. When a supplier form is used, the content of the equivalent Tulmar form shall be present on the supplier form.

G4 Limited Life Materials Documentation [28 Aug 2015]

The limited life status of all goods supplied to Tulmar shall be declared. Goods with limited life shall have the expiration dates clearly identified on their packaging and the Shelf Life Questionnaire shall be submitted to Tulmar in accordance with G3. A hardcopy of the document(s) shall be included with each shipment. Unless otherwise stated, goods shall be delivered within the first 10% of their life.

G5 Hazardous Material Acknowledgment [28 Aug 2015]

All goods supplied to Tulmar must be entirely free from Hexavalent Chromium.

Whether goods supplied contain or do not contain hazardous materials, the declaration of hazardous material content of all goods supplied to Tulmar shall be made by submitting the Hazardous Materials Acknowledgment form and all related MSDS in accordance with G3. A hardcopy of the document(s) shall be included with each shipment.

G6 Identification & Packaging [28 Aug 2015]

Individual good marking shall be as specified by the Technical Data Package. If not defined in the Technical Data Package, each individual good furnished under the Purchase Order shall be legibly identified with Tulmar part number, drawing number, and revision level by marking on a removable tag, bag or container.

The Supplier is responsible to design and provide packaging for products shipped to Tulmar, or on Tulmar's behalf, so as to prevent damage during handling and transit.

Packaging shall be marked with appropriate handling instructions, purchase order number and Tulmar purchasing agent's name and address. Goods for separate Purchase Orders shall be packed separately.

G7 Limited Life Materials Documentation [24 Aug 2012]

Goods with limited life shall have the expiration date clearly identified on their packaging. Unless otherwise stated, goods shall be delivered within the first month or 2% of their life which ever gives the longest remaining life. The life limitation shall also be clearly stated on the accompanying certification.

G8 Hazardous Material Acknowledgement [24 Aug 2012]

Hazardous material shall be shipped and identified in accordance with the applicable regulatory authorities requirements. MSDS associated with goods reported as hazardous shall be available to Tulmar upon request.

G9 Personnel Qualification and Awareness [05 Jul 2019]

The Supplier shall ensure and maintain records showing that all personnel performing tasks on goods are:

- qualified to perform the tasks;
- aware of their contribution to safety; and
- aware of the importance of ethical behavior.

QUALITY MANAGEMENT SYSTEMS

Q1 Quality Management System [05 Jul 2019]

The Supplier shall operate a formalized and documented Quality Management System that has been pre-determined as acceptable to Tulmar and its customers.

In order to determine ongoing acceptability of the Quality Management System, Tulmar, its customers and / or regulatory agencies shall be allowed the right of access, with prior notification, to all applicable areas of all facilities involved in all levels of the supply chain.

The Supplier's Quality Management System shall ensure that only goods that comply with the requirements of the Purchase Order and its referenced drawings and specifications can be submitted to Tulmar.

Q2 Quality Inspection System [05 Jul 2019]

The Supplier shall operate an inspection system acceptable to Tulmar.

In order to determine ongoing acceptability of the inspection system, Tulmar shall be allowed the right of access, with prior notification, to all applicable areas of all facilities involved in all levels of the supply chain.

The Supplier's inspection system shall ensure that only goods that comply with the requirements of the Purchase Order and its referenced drawings and specifications can be submitted to Tulmar.

Q3 Calibration System [05 Dec 2011]

Calibration shall be applied to all measurement and test equipment used to assure that product or critical manufacturing elements meet specifications. Calibration shall be performed in accordance with the requirements of ANSI/NCSL Z540-1 or ANSI/ISO/IEC 17025 & 10013-1 or equivalent, using standards traceable to the National Institute of Standards and Technology (NIST).

Q4 Calibration System [05 Dec 2011]

The calibration of measurement and test equipment used to verify conformance to specifications shall be maintained as per general industry standards and equipment manufacturer's recommendations.

Q5 Quality Records [05 Dec 2011]

The Supplier shall store and maintain Quality Records, which shall be legible, reproducible, and traceable to each specific Purchase Order.

Retention period for Quality Records is (5) years unless otherwise specified. Tulmar, its customers and applicable Regulatory Agencies shall have access to review Quality Records.

Q6 Quality Records [05 Dec 2011]

The Supplier shall store and maintain Quality Records, which shall be legible, reproducible, and traceable to each specific Purchase Order.

Retention period for Quality Records is (1) year unless otherwise specified. Tulmar shall have access to review Quality Records.

Q7 Requirements Flow-Down [03 Feb 2012]

At the earliest opportunity and prior to start of production, the Supplier shall advise Tulmar of any intention to sub-contract any portions of the purchase order contract, for example, but not limited to: Manufacturing, processing, material supply or testing. Tulmar reserves the right to disapprove any sub-contract arrangements.

The Supplier shall ensure transfer of, and compliance with, all requirements of the Purchase Order, Quality Clauses and specifications of the Technical Data Package (TDP), as applicable, to all tiers of sub-supplier.

Q8 Requirements Flow-Down [05 Dec 2011]

The Supplier shall ensure transfer of, and compliance with, all requirements of the Purchase Order, Quality Clauses and specifications of the Technical Data Package (TDP), as applicable, to all tiers of sub-supplier.

Q9 Quality Records [24 Aug 2012]

The Supplier shall store and maintain Quality Records which shall be legible, reproducible, and traceable to each specific Purchase Order.

Retention period for Quality Records shall be in accordance with the local regulatory authority requirements. Tulmar, its customers and applicable Regulatory Agencies shall have access to review Quality Records.

Q10 Quality Records [05 Jul 2019]

The Supplier shall store and maintain Quality Records, which shall be legible, reproducible, and traceable to each specific Purchase Order.

Retention period for Quality Records is (10) years unless otherwise specified. After this time, the Supplier shall not destroy such records without written approval of Tulmar. Tulmar, its customers and applicable Regulatory Agencies shall have access to review Quality Records.

CERTIFICATION OF COMPLIANCE

C1 Certificate of Compliance [28 Aug 2015]

A Certificate of Compliance shall be submitted to Tulmar in accordance with G3 and a hardcopy of the document(s) shall be included with each shipment. The Certificate shall be signed by the Supplier's authorized representative stating that the goods / services provided are in compliance with the Purchase Order and its referenced drawings and specifications, and that objective evidence of conformance to all requirements is available for review by Tulmar.

The Certificate shall be directly traceable to the goods / services supplied and shall include as a minimum:

- Part number and description;
- Drawing number and revision;
- Purchase Order number and line item number;
- Supplier name, address, and packing slip number;
- Name, title, email, phone and signature of the Supplier's authorized representative;
- Date of certification; and
- Any additional information for traceability (ex MRS#, supporting manufacturer's certification, etc.).

A Supplier furnishing goods not of its own manufacture shall include a supporting certificate from the original manufacturer in accordance with this clause.

C2 Aviation Certification Requirements [24 Aug 2012]

All goods supplied to Tulmar shall be accompanied by an Authorized Release Certificate. Authorized Release Certificate shall meet applicable requirements of TCCA, FAA and EASA.

FIRST PIECE INSPECTION

F1 First Piece Inspection Requirements [28 Aug 2015]

First Piece Inspection (FPI) shall be utilized to verify conformance to 100% of the Technical Data Package.

Following a production run and prior to shipment of any goods, the FPI Package, as detailed in clause F3, shall be prepared and reviewed for acceptance by the Supplier's quality system.

The goods (piece) to be inspected shall be randomly selected from the lot, batch or production run associated with the purchase order.

The subject FPI good is to be uniquely identified in such a way that it neither damages nor changes the part in any way. The identification method shall be stated in the FPI package.

F2 Extended Approval of First Piece Inspection [28 Aug 2015]

First Piece Inspection (FPI) approval status is to be monitored for integrity and continuity by the Supplier's quality system and is considered extended by Tulmar from one purchase order to the next, unless:

- Product configuration changes have occurred;
- Product manufacturing moves to another facility;
- Product manufacturing processes are altered in some way;
- There is more than a (1) year lapse in delivery between subsequent production lots;
- Tulmar has requested Corrective Action on product-related issues;
- Personnel has changed on special processes; or
- Any of these changes occur at a sub-supplier.

If any of the above conditions occur, a new FPI will be required as per F1. Otherwise, objective evidence shall be available to demonstrate continued compliance.

F3 First Piece Inspection Package [28 Aug 2015]

The First Piece Inspection (FPI) Package shall consist of all documents required by all applicable clauses listed on the Purchase Order to provide objective evidence and certification for all technical data package requirements.

Once completed, the Supplier is required to submit the FPI package in accordance with G3 for subsequent review and approval by Tulmar.

Tulmar requires a minimum of five (5) business days' notice for review of the package.

Product may be released for shipment only following FPI package approval by Tulmar.

F4 Inspection Record [28 Aug 2015]

The Supplier shall confirm technical data package compliance by inspecting 100% of requirements (dimensional, welding, finishing, marking, functional, physical, etc.). Objective results of verification shall be clearly and legibly recorded. The inspector's name and signature and date of inspection shall appear on the record. The record may take the form of marked up drawings or be summarized on an accompanying spreadsheet.

F5 Tool and Equipment Identification [28 Aug 2015]

A list of the inspection tool(s) used to for the inspection required by F4 shall be clearly and legibly recorded. The list shall include the tool serial number(s) and calibration due date(s).

F6 Certified Material Test Report [28 Aug 2015]

The Certified Material Test Report(s) from the material manufacturers showing evidence of conformance to all material specifications (i.e.: specification, type, analysis, class, color, etc.) referenced on the Purchase Order and in the Technical Data Package shall be maintained.

F7 Trial Fit [24 Aug 2012]

Upon Tulmar verification and acceptance, the subject good of FPI shall be shipped for trial fit. The Supplier shall not ship any goods beyond First Piece until approval for production has been received from Tulmar.

F8 Engineering Prototype Approval [24 Aug 2012]

[Deleted, see T7].

F9 First Piece Inspection Package in Shipment [28 Aug 2015]

The Supplier shall include a complete hardcopy of the First Piece Inspection package with the related shipment.

INSPECTIONS AND TESTS

T1 Inspection and Test Plan [24 Aug 2012]

Prior to production, the Supplier shall submit an Inspection and Test Plan which may include applicable sequence of manufacturing operations, test methods utilized, frequency of inspection or method of process control, statistical sampling plan, inspection methods and equipment. This plan shall also identify all specifications, standards or documents relevant to each element of the plan.

The Inspection and Test package shall be submitted, in accordance with G3, for approval. Tulmar requires a minimum of five (5) business days' notice for review.

T2 Functional Testing [28 Aug 2015]

The Supplier shall submit, in accordance with G3, test reports for Tulmar approval with each shipment. A hardcopy of the document(s) shall be included with each shipment. The test reports shall contain as a minimum:

- Purchase Order Number;
- Item description;
- Item part and drawing numbers with revision level;
- Quantity and serial number of units tested;
- Test parameters, test results and disposition;
- Signature and title of person who performed testing; and
- Signature and title of authorized representative.

T3 Test Data Submittal Requirement [07 Feb 2012]

For each shipment, the Supplier shall produce and maintain on their premises a copy of actual chemical analysis results, physical test results and/or test data, as required. Tulmar shall have access to review these results.

T4 Test Specimen Acceptance [05 Dec 2011]

The Supplier shall submit test specimens of material or products to Tulmar for design approval, inspection or investigation. Acceptance of the test specimens shall not be considered as acceptance of subsequent goods.

T5 C=O Sampling Plan [28 Aug 2015]

Goods inspected under a sampling plan for delivery shall use an acceptance number of zero. Production lots produced without significant changes (set-up, material lot, equipment, process parameters, procedure, etc.) are accepted if no defects are found within the sample inspected and rejected for the presence of one or more defects. Acceptable Quality Limit (AQL) sampling plans may be used to establish sample size, however, the acceptance number remains zero.

T6 Tulmar Source Inspection [28 Aug 2015]

Source Inspection by a Tulmar Quality Representative is required prior to shipment of product from the Supplier's facilities. Tulmar shall be notified by email, in accordance with G3, a minimum of one week in advance of the readiness of goods. The Supplier shall make available all applicable supporting documentation to the source inspector. Acceptance of goods by source inspection shall not constitute final acceptance by Tulmar.

T7 Engineering Prototype Approval [28 Aug 2015]

The Supplier shall confirm Technical Data Package (TDP) compliance according to an item-specific form provided by Tulmar (if not provided, Supplier should request). Prior to shipment, supporting compliance data shall be submitted in accordance with G3. A hardcopy of the document(s) shall be included with each shipment.

Any deviations from the TDP require Tulmar approval prior to shipment.

NONCONFORMANCES & CORRECTIVE ACTION

N1 Non-Conformances [22 Jan 2013]

Non-conforming goods are to be distinctly identified at the Supplier's facilities and segregated for review and disposition. The Supplier shall notify Tulmar by email, in accordance with G3 of any non-reworkable non-conformances or deviations from the TDP at the earliest opportunity.

Shipment of unauthorized or non-conforming goods is strictly prohibited without written authorization from Tulmar. Such shipments are made at the Supplier's risk, and may be returned at full invoice price plus applicable transportation charges.

The Supplier is expected to establish and maintain a corrective action system intended to prevent re-occurrence of identified non-conformances.

Should non-conforming shipments occur, Tulmar may, at its option, require a detailed corrective action plan to be submitted and implemented within a specified timeframe.

N2 Change of Product or Process [28 Aug 2015]

Following receipt and approval of the last lot of production by Tulmar, the Supplier shall not change any of the following without prior written approval from Tulmar.

- product design or configuration;
- manufacturing or assembly process;
- manufacturing facility; or
- source of supply or sub-supplier.

N3 100% Inspection [28 Aug 2015]

The Supplier shall conduct 100% inspection on 100% of the goods to be delivered. The Supplier shall clearly and legibly record results of the inspection. The results shall consist of all documents required to provide objective evidence and certification for all technical data package requirements. Tulmar shall have access to review these results.

SPECIALIZED CLAUSES

S1 Identification Requirements [03 Feb 2012]

[Deleted, see G6].

S2 Serialization Requirements [28 Aug 2015]

A unique/sequential serial number shall be clearly identified as part of the good marking.

Each unit supplied shall be permanently marked with a unique serial number. Alpha and numeric letters shall be clearly distinguishable (ex. 2 and Z, 1 and I, 0 and O, etc.) the Supplier shall ensure that serial numbers are not duplicated for previous or future shipments of the same part number.

The Supplier shall submit, in accordance with G3, their planned serial numbering sequence prior to serial numbers being applied. The numbering sequence shall be approved by Tulmar on the initial purchase order and for any subsequent purchase order where the Supplier intends to change the sequence of serial numbers.

Assembly, test and quality records shall be maintained by the serial numbers assigned.

S3 Special Manufacturing Process [24 Aug 2012]

A special manufacturing process is one whose integrity cannot be ensured by typical inspection methods. Integrity is maintained only by ensuring that materials, process inputs, operating parameters and processing methods replicate a qualified configuration. Examples of special process include, but are not limited to: heat treatment, welding, anodizing etc.

The Supplier shall demonstrate control of factors that affect the process so as to provide assurance of compliance. Copies of special process procedures and certifications shall be supplied to Tulmar upon request.

S4 Weld Requirements [29 March 2018]

Welded joints are to be qualified, implemented, and inspected in accordance with the Technical Data Package.

When no weld specification is identified, the minimum requirements are governed by AWS D1.1, AWS D1.2, AWS D1.3 or AWS D1.6, as applicable.

A Weld Qualification Data package shall be submitted, in accordance with G3, for approval at least 3 weeks prior to starting production of the welded goods. Production shall not begin until written approval is received from Tulmar.

Approval expires with any one of the following occurrences (whichever occurs first):

- More than 3 year pass from the date of approval and no active POs are open;
- PO is completed more than 3 years from the date of approval; or
- Any triggers for FPI (see clause F2).

The Weld Qualification Data package shall contain at a minimum:

- Weld Procedure Specification (WPS).
- Procedure Qualification Record (PQR) including accompanying test results.
- Welder Qualification Records.
- Weld map, detailing which WPS(s) apply to which welded joints.
- Visual inspection criteria & instructions implemented.
- Weld rework instructions implemented.

S5 Weld Requirements [05 Dec 2011]

All welding-related operations shall be performed by welders who hold a valid Canadian Welding Bureau (CWB) certification or equivalent. Weld inspection shall be done by personnel qualified in accordance with AWS/CWB requirements.

S6 CARC Paint Process Requirements [28 Aug 2015]

Goods shall be prepared, painted and certified in accordance with the Purchase Order and technical data package requirements. A CARC Process Certification containing the signature and title of an authorized representative shall be submitted, in accordance with G3, for each shipment. The certificate shall indicate the procedures and personnel that were used in production. A hardcopy of the document(s) shall be included with each shipment.

S7 Painting, Plating & Coating Requirements [05 Dec 2011]

Goods shall be prepared and coated in accordance with requirements of the Purchase Order, technical data package and coating manufacturer's recommendations. Coatings shall demonstrate even coverage and good adhesion.

S8 Externally Threaded Fasteners [22 Jan 2013]

All externally threaded fasteners offered for sale to Tulmar shall conform to requirements of GDLS Externally Threaded Fasteners form 4496 available for download at <http://www.gdlsCanada.com/Default.aspx?tabid=255>, except appendices A, B, C, and D shall be replaced by the [Tulmar Externally Threaded Fasteners form](#). The [Tulmar Externally Threaded Fasteners form](#) shall be submitted in accordance with G3.

S9 Standard Fasteners [16 Feb 2012]

If the goods consist of bulk fasteners or assemblies containing fasteners (e.g.: Bolts, nuts, rivets, collars, etc.), the seller shall maintain manufacturer certifications on file for review. These certifications shall show evidence of fastener quality maintenance as per requirements of the Industrial Fasteners Institute and Fastener Quality Act.

S10 Additional Requirements [28 May 2015]

Goods shall be marked as per the technical data package requirements and shall also include the following:

- Add "121-XXXX" where "XXXX" is the Tulmar batch number provided by the Tulmar buyer for each order.
- Add "PO-YYYY" where "YYYY" is the PO number provided by the Tulmar buyer for each order (Note PO number is NOT the Tulmar PO number).

Goods supplied with CARC paint shall include a CARC certification that MUST be on form QA-415 provided by the Tulmar buyer. Digital photographs of the CARC test panels and the CARC form must be submitted in accordance with G3 and must be included with each Shipment. A complete copy of the FPI package (once approved by Tulmar per clause F3) must also be shipped with the 1st unit for approval prior to shipping the remainder of the batch.

Complete support documentation (C-of-C, copy of the PO, mill-certs, dimensional inspection record, CARC form, CARC test photos, welding approval memo, etc.) must be included with each shipment.

S11 Paint Process Approval [28 Aug 2015]

A Paint Process package shall be submitted, in accordance with G3, for approval at least 3 weeks prior to starting production of the painted goods. Production shall not begin until written approval is received from Tulmar.

The Paint Process package shall contain at a minimum:

- List of certified personnel;
- Process parameters;
- Process equipment;
- Process materials; and
- Any of these items handled by a sub-supplier.

S12 Weld Certification [28 Aug 2015]

Goods shall be prepared, welded and certified in accordance with the Purchase Order and technical data package requirements. A Welding Process Certification containing the signature and title of an authorized representative shall be submitted, in accordance with G3, for each shipment. The certificate shall indicate the procedures and personnel that were used in production. A hardcopy of the document(s) shall be included with each shipment.

S13 Counterfeit Parts [28 Aug 2015]

A Counterfeit Parts Certification containing the signature and title of an authorized representative shall be submitted, in accordance with G3, for each shipment. The certificate shall indicate that only new and authentic materials are used and supplied in products delivered to Tulmar. A hardcopy of the document(s) shall be included with each shipment.

Tulmar shall be notified immediately should counterfeit parts be detected.

S14 Additional Marking [28 Aug 2015]

Goods shall be marked as per MIL-STD-130 and shall also include the following:

- Add "PO-YYYY" where "YYYY" is the purchase order number provided by the Tulmar buyer for each order (Note PO number is NOT the Tulmar PO number).

S15 Graded Fasteners [28 Aug 2015]

A Graded Fasteners Certification, for each grade 5 and higher fastener delivered in bulk or used in an assembly, containing the signature and title of an authorized representative shall be submitted, in accordance with G3, for each shipment. A hardcopy of the document(s) shall be included with each shipment. The certificate shall include:

- Complete actual chemical composition;
- The specification number that the material complies with;
- Actual hardness results;
- Actual tensile strength results;
- Identity of the manufacturer's logos (logos must be registered with the Defense Industrial Supply Center); and
- Country of manufacture.