

**Quality Clause Q12R**  
**F-35 Program Critical Safety Item – Specific Quality Requirements**

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<https://www.lockheedmartin.com/en-us/suppliers/business-area-procurement/aeronautics/quality-requirements/clauses.html>

The terms “Item,” “PO,” and “Buyer” used herein have the same meaning as “work,” “contract,” and “Lockheed Martin,” respectively, as may be defined in another provision of the Purchase Order (PO) of which this Quality Clause Q12R is a part.

All paragraphs referencing appendix QX are aligned with QX Rev.9. If Seller is under contract for a previous revision of Appendix QX, and if the applicable paragraph references are in question, Seller shall request clarification through the LM Aero procurement agent

**1. PURPOSE:**

The purpose of this Quality Clause is to describe the F-35 Program Critical Safety Item - Specific Quality Requirements.

**2. SCOPE:**

The requirement of this Quality Clause is applicable in full to the PO when the part number on this PO is listed on the CSI list 2YZA01237.

**3. ACRONYM USAGE:**

Critical Characteristic (CC) – any feature throughout the lifecycle of a Critical Safety Item, such as, but not limited to, dimension, tolerance, finish, material or assembly, manufacturing or inspection process, operation, field maintenance, or depot overhaul requirement, that if the Critical Safety Item is nonconforming, missing, or degraded may cause the failure or malfunction of the Critical Safety Item.

Critical Safety Item (CSI) – A part, an assembly, installation equipment, launch equipment, recovery equipment, or support equipment for an aircraft or aviation weapon system if the part, assembly, or equipment contains a characteristic any failure, malfunction, or absence of which could cause a catastrophic or critical failure resulting in the loss of or serious damage to the aircraft or weapon system; an unacceptable risk of personal injury or loss of life; or an un-commanded engine shutdown that jeopardizes safety. The CSI designation is generally applied to repairable and consumable parts (i.e. replenishment items).

**4. REQUIREMENTS:**

A. Seller shall comply with the notification requirements of Appendix QX with the following amendments:

1. Appendix QX, paragraph 1.1.a adds the following requirement: Seller shall provide notification and supporting documentation of its change in business status, in accordance with SDRL J1150, CSI Change in Business Status
2. Appendix QX paragraph 1.2 adds the following requirement: A Seller or Seller’s Sub tier shall provide notice and supporting documentation of its change in manufacturing/repair location, or manufacturing/repair/overhaul facilities of a CSI, in

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accordance with SDRL J1151, CSI Change in Supplier Manufacturing, Repair, or Overhaul Location. The Seller or Seller's Sub tier must provide notice, in writing, within 180 days of relocation and must submit a relocation plan addressing such items as, but not limited to, facilities, tooling, personnel, and manufacturing schedules. Seller or Seller's Sub tier is permitted to provide notice and plan within 90 days of relocation; however, such time will not permit inhibit a proper review and response to the Seller or Seller's Sub tier relocation plan

- B. Seller shall comply with the Records requirements of Appendix QX with the following amendments:
1. Appendix QX paragraph 1.6.a.1 adds the following requirement: For Critical Characteristics, all inspection records shall include the CSI part number, drawing number, CC ID inspected (including the CC process) if defined, serial number, actual reading or dimension observed, date of inspection, identity of inspector, and all required inspection certifications.
  2. Appendix QX paragraph 1.6.a.2 is changed from three (3) years to ten (10) years
  3. Appendix QA paragraph 1.6.a.3 is changed from seven (7) years to ten (10) years
- C. Seller shall comply with the source selection requirements of Appendix QX with the following amendments:
1. Appendix QX paragraph 1.8 adds the following requirement: The Seller or Seller's Sub tier shall only use suppliers contained on the CSI Approved Suppliers List (CASL), 2ZZA00976. Proposed additions/deletions to the CASL shall be submitted in accordance with SDRL J1152, CSI New Source of Supply
- D. Seller and Seller's Sub tier shall comply with the Control of Nonconforming Product / Material Review Process requirements of Appendix QX with the following amendments:
1. Appendix QX paragraph 2.3.6 adds the following requirement: Seller and Seller's Sub tier, with MRB Authority, shall provide written notice of Critical Characteristics item(s) when Seller, or Seller's Sub tier, proposes item(s) in a "Use As Is" or "Repair" disposition for Buyer's approval on a major variance or Supplier Quality Management Report (SQAR) in accordance with the instructions located at:  
<https://www.lockheedmartin.com/en-us/suppliers/business-area-procurement/aeronautics/quality-requirements/supplier-quality-management-system.html> prior to submitting the disposition.
- E. Seller and Seller's Sub tier shall comply with the following inspection methodology requirements:
1. If a change to the Critical Characteristics Inspection method/work instructions affecting a CC is necessary, the Seller, or Seller's Sub tier, shall submit its changes in accordance with SDRL J0738, Changes to CSI Critical Characteristics Manufacturing Work Instructions. Seller, or Seller's Sub tier, shall not implement changes until written approval is received from Buyer.
  2. Critical Characteristics (CCs) Inspection requirements:
    - a. All CCs must be 100 percent inspected;
    - b. All inspection records shall include the CSI part number, drawing number, CC ID inspected (include in the CC process) if defined, serial number, actual reading or

- dimension observed, date of inspection, identity of inspector, and all required inspection certifications;
- c. Seller, or Seller's Sub tier, shall not implement statistical process control or sampling inspection without prior written approval from Buyer;
  - d. For those CCs that require destructive testing or inspection the following rules shall apply:
    - I. Sampling inspection is to use ANSI/ASQ Z1.4 Single Sampling/Normal Inspection table with General Inspection Level III and an AQL of 0.4 on a lot or batch basis, with no skip lots allowed.
    - II. The Buyer must provide prior written approval for sampling criteria
- F. Seller and Seller's Sub tier shall comply with the following Candidate Critical Safety Item /Critical Characteristic requirements:
- 1. Sellers with Design Authority shall submit any candidate Sub-tier CSI parts in accordance with SDRL J1153, CSI Supplier Sub-tier Candidate.
  - 2. Sellers with Design Authority shall submit any candidate CSI parts in accordance with SDRL J1154, CSI Critical Characteristic Candidates