

Supplier Quality Assurance Manual

Platforms and Services Combat Mission Systems

095870, Rev 18

September 14, 2026



BAE SYSTEMS

REVISION HISTORY

Rev	Date	Change Description	Approved By	Change Request #
00	11/27/2012	New Document Release		BPMS-00647
01	09/03/2013	Addition of amendment A into SQAM document. CDR updates	Tom Frazho	BPMS-01446
02	01/14/2014	Change to 8.11; change to 6.1; change to 6.2	Tom Frazho	BPMS-01593
03	02/19/2015	Changes/additions/deletions made to the following sections: 2.0, 3.1, 3.2, 3.3, 3.4, 3.5, 4.0, 5.1, 5.2, 6.1, 6.2, 6.5, 7.1.1, 7.1.2, 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.8, 8.10, 9.1, 9.3, 9.4	Tom Frazho	BPMS-02169
04	05/11/2015	Added 6.6 Traceability of Specialty Metals	Tom Frazho	BPMS-02269
05	09/01/2015	Added 7.1.2.1, revised 9.4, revised 7.2	Tom Frazho	BPMS-02447
06	09/20/2016	5.2 Deleted “and respective Supplier Quality Representative” 6.1 Changed Solutions to Services 6.7 and 6.8 Added 7.2 Split verbiage between Combat Vehicles and Weapon Systems 7.3 Added 8.1 Split between Combat Vehicles and Weapons Systems 8.3 Changed the last part of paragraph; added “the” to the 11 th bullet; added verbiage to the 12 th and 13 th bullets; changed “this” to “the” in the 2 nd paragraph; changed/added verbiage to the 3 rd paragraph; changed the 5 th bullet 8.5 Added verbiage to the 7 th bullet 8.9 Added verbiage to the 3 rd bullet and 3 rd and 4 th paragraph; changed” the” to “all” in the 5 th paragraph 8.12 Added 9.1 Changed/added verbiage to the 1 st and 2 nd paragraphs 9.2 Changed MIL standard acronym to PRF 9.4 Added :the” to the 3 rd bullet	Tom Frazho	BPMS-03125
07	12/20/2017	Added new Phoenix mailbox to paragraph 8.12 Data Submission Instructions; Add verbiage for VIR form for York/Anniston CAS	T Frazho / R Zuniga / K Sturm	BPMS-03820
08	06/22/2018	Added paragraph 8.13 ; Added “Use the ... and removed the date from paragraph 6.5 Bearings, Changed Quality Rating and the Quality Risk Assessment ratings for both CV and Weapons Systems, added verbiage and/or placed on Containment Level I or II, changed 90% to 98% and added Risk Assessment to paragraph 8.1,	T Frazho / R Zuniga / K Sturm	BPMS-04032

Rev	Date	Change Description	Approved By	Change Request #
		changed 9001 2008 to 9001 2015 in paragraphs 8.2 and 8.4, corrected dis across to discrepancy (typo), changed revision date and rev number to all pages		
09	03/25/2019	Deleted pp 9.4 Age Sensitive Materials and added pp 9.4 Supplier Qualification / First Article Testing, added definitions for applicable CAS Business Units to pp 2.0, changed pp 6.1 third party to sub tier Supplier, pp 7.2 rewrote the paragraph on Part Identification Marking, pp 8.3 added First Article Test"/Inspection", reformatted for clarity and removed extra CV sites from the list. Added bullets for Inspection Report and Balloon drawing to Section 8.3	James Dolan Tom Frazho Richard Zuniga Kenneth Sturm	BPMS-04524
10	02/17/2020	Corrected SQAM Document No. pp 4.0, rewrote the following sections; 6.8, 7.2, 8.12 and 9.1 for clarity, added required hold time visual/NDT inspection, pp 7.1 added "special process".	James Dolan Tom Frazho Ryan Cunningham Kenneth Sturm	BPMS-05100
11	10/07/2020	Added items to 3.3 for notification requirements, rewrote paragraph 7.2 to clarify the identification requirements, changed 7.2 & 8.1 to CMS, added Receiving Inspector as a backup for SQE & QE	James Dolan Tom Frazho Ryan Cunningham Kenneth Sturm	BPMS-05916
12	03/22/2021	Added pandemics to 3.1, added new verbiage to 3.3, added new verbiage to 4.0, deleted a part of the first paragraph in 5.2, changed verbiage in 5.2, last paragraph, changed to CMS in 6.1, and 6.6, deleted all references to electronics in 6.7, as well as added and changed, verbiage in the bullets section, added new verbiage in 7.1, added 7.1.3, changed and added verbiage in 8.2, moved a section further down in section 8.3, and added SPS to the section, added and changed other verbiage in 8.3, added the last bullet in 8.9, added verbiage to 8.10, changed and added addresses in 8.12	James Dolan Tom Frazho Ryan Cunningham Kenneth Sturm	BPMS-06397
13	01/19/2022	1.0: Added acronyms 3.3: Added Supplier name change 7.1: Removed the words bonding and casting from the first set of bullets 7.1.2: Added Supply Chain website link 7.2: Added supplier responsibility statement 8.1: Removed old calculations; added new calculations	James Dolan Tom Frazho Scott Heyd Kenneth Sturm	BPMS-06998

Rev	Date	Change Description	Approved By	Change Request #
		8.2: Added IATF, IEC 17025 and the word accredited 8.3: Added First Article Inspection – FAI to the first paragraph 8.4: Added IEC 17025 8.9: Added 1801 Electronics Drive address		
14	02/07/2023	1.0: Added several acronyms 3.3: Added rejection of any product shipped to the last paragraph 5.3: Added Commercial off the Shelf (COTS) 6.6: Added /assemblies to the first paragraph 7.1: Changed better to higher and added CDR 030C 7.1.2: Deleted the old supplier website link 7.1.3, 7.1.3.1, 7.1.3.2: Rewrote paragraphs 7.1.3.3: Added new 7.3: Added CARC and additional verbiage to several sentences for clarity 8.1: Added placing the supplier in the supplier development program 8.2: Changed Authorized BAE Systems to Supplier 8.3: Added FP acronym to First Piece, Part Number, Picture of identification, is required, and changed some verbiage 8.5: Added the fourth bullet – Unique Item Identifier, i.e. date codes, lot codes, heat codes, serializations, unique item identifiers, or batch identifications as applicable 8.12: Added Drop Ship Note/Instructions 8.9: Added Read Across, removed reference to Notification of Nonconformance and replaced SCAR with Level II Request 9.2: Corrected several specifications that became obsolete 9.4: Revised to clarify requirements	James Dolan Randy Fawver Scott Heyd Kenneth Sturm	BPMS-07705
15	03/16/2023	Section 8.12 – removed reference to ship documents with parts to Aberdeen, Louisville, or Minneapolis sites. This is due to change in source	James Dolan Randy Fawver Scott Heyd Kenneth Sturm	BPMS-07825

Rev	Date	Change Description	Approved By	Change Request #
		inspection placement in Oracle and a common CMS process.		
16	07/17/2023	Changed: 4.0 Order of Precedence, 8.2 Quality Management System, 8.3 Inspection. Added: 9.5 BAE Systems, Phoenix, Az - Additional Quality Requirements. See attached Summary of changes	James Dolan Randy Fawver	BPMS-08061
17	9/4/2024	Added OQE acronym Various grammatical changes throughout 3.1 Revised content 3.2 Added cyber security / SFTS and English requirements 3.3 Revised content 6.1 Added ITAR language 6.4 Revised content combined with 6.5 and 6.6 6.5, 6.6 Deleted 6.8. Rewritten 6.9 Added Prohibited Materials 7.1 Rewritten 7.1.2 Clarified submittal requirements and COTS items 7.1.2.1 Added salt spray and adhesion testing 7.1.2.3.1 Rewritten 7.1.2.3.2 Rewritten 7.1.2.3.3 Rewritten 7.2 Added lower level kit clarification 8.2 Rewrote 8.3 Clarified Inspection, calibrated tool and change requirements 8.5 Added DFAR affirmation 8.6 T and C Language 8.9 Added timing expectations 8.10 Added WCAR Subtier requirements 8.12 Added .US addresses, submittal prior to payment, removed certified 8.13 Added form 089838 8.14 Added new requirement 9.2 Reworded 9.3 Added new SDS requirement 9.4 Added submittal requirement timing	James Dolan Scott Heyd Ken Sturm Matt Jones Justin Shirley	BPMS-08822

Rev	Date	Change Description	Approved By	Change Request #
18	09/14/2026	8.15 & 8.16: Added new sections for Identification/Traceability and Maintenance of Records. 9.0: Expanded section to include 9.4 FOD, 9.5 Cable/Harness Packaging, and 9.6 Storage/Transportation. 10.0: Added new Regulatory Compliance section (moved REACH from 9.5). n 18 in BMS. Changes include: Updated cover sheet to meet company branding requirements 1.0-2.0: Updated acronyms; replaced APR with PR. 3.3: Expanded notification responsibility 6.1: Added sub-tier suitability and reevaluation requirements. 6.7: Expanded Counterfeit Parts Prevention (CPP) requirements. 6.10 Added GIDEP Reporting section. 7.1: Added special process validation and control requirements. 7.1.2.1 Updated CARC requirements 7.1.3: Added CV Approved Weld Supplier List and Weld Procedure Transfer requirements. 8.2 Updated QMS certification requirements to include IAF recognition. 8.3: Mandated SAE AS9102 for FAI; added 8.3.1 (Inspection), 8.3.2 (FAT), and 8.3.3 (Workmanship/Solder standards). 8.5 Changed heading from Compliance to Conformance 8.9 Reworded 8.10 deleted section and moved CAR notification to section 3.3 8.12: Updated Form 092245 submittal process	Michelle Fisher Roopnarine Sukhram Matt Hoekstra	BMS-00809

Preface

“BAE Systems, Combat Mission Systems, (CMS) is committed to providing its customers with products and services which demonstrate safety, quality, reliability, and innovation. It is our objective to meet all customer requirements with the aim of exceeding their expectations and enhancing customer satisfaction. We monitor our performance process, review our quality objectives, and maintain compliance to the Quality Management System and applicable regulatory requirements. BAE Systems strives to continually improve our products and processes from design to delivery, including employee safety, waste reduction, and pollution prevention to ensure the sustainability of our company”.

We strive to continually improve our process performance by meeting quality objectives and maintaining compliance to the applicable regulatory requirements of our work environment. It is imperative that our business partners operate with the goal of zero defects and 100% on-time delivery and strive to maintain a quality system that ensures continual improvement in the quality and delivery of the product or service. Emphasis should be on defect prevention and the reduction of variation and waste in the Supply Chain, with the ultimate goal of providing the best product, on time, and at the best cost in support of the war fighter.

Contents

1.0 Acronyms	10
2.0 Introduction.....	12
3.0 Contracts	12
3.1 Business Continuity Planning.....	12
3.2 E-business Capabilities	12
3.3 Notification Responsibility	13
3.4 Confidentiality	13
3.5 Control of BAE Systems-furnished Property	14
4.0 Order of Precedence	14
5.0 Engineering.....	15
5.1 Cancelled, Superseded, Obsolete Specification	15
5.2 Requests for Information/Change/Material Disposition	15
5.3 Technical Documents/Configuration Control.....	15
6.0 Purchasing	15
6.1 Sub-tier Management	15
6.2 Source Controlled Drawings/Vendor Item Drawings.....	16
6.3 Qualified Products List	16
6.4 FAR / DFAR (Domestic Preference Requirements)	16
6.7 Counterfeit Parts Prevention Plan.....	17
6.8 Commercial-Off-The-Shelf (COTS) Parts	17
6.9 Prohibited Materials	18
6.10 Government-Industry Data Exchange Program (GIDEP) Reporting	18
7.0 Production	19
7.1 Special Processes	19
7.1.1 General Special Process Requirements.....	20
7.1.2 Chemical Agent Resistant Coating (CARC)	20
7.1.2.1 Test and Inspection Documentation.....	20
7.1.3 Welding/Brazing	21
7.1.3.1 Transfer of BAE Systems Weld Procedure.....	21
7.1.3.2 Supplier Weld Procedures.....	22
7.1.3.3 Weld Joint Base Material Cleaning and Surface Preparation	22
7.2 Part Identification Marking.....	23

7.3 CARC Paint Marking	24
8.0 Quality.....	24
8.1 Supplier Monitoring and Rating.....	24
8.2 Quality Management System	25
8.3 First Article Inspection (FAI).....	25
8.3.1 Inspection	26
8.3.2 Supplier Qualification / First Article Testing	27
8.3.3 Workmanship	27
8.4 Measuring and Test Equipment	27
8.5 Certificate of Conformance (CoC).....	27
8.6 Nonconforming Material	28
8.7 Preliminary Material Review (PMR)	29
8.8 Material Review Board (MRB)	29
8.9 Corrective Action	29
8.10 Deleted.....	30
8.11 Right of Access	30
8.12 Data Submission Instructions.....	31
8.12.1 Dock-to-Stock Part (DTS) Shipments to BAE Systems Phoenix	31
8.13 Containment Process.....	31
8.14 Documentation Requests	32
8.15 Identification and Traceability	33
8.16 Maintenance of Records.....	33
9.0 Packaging/Material Handling/Transportation	33
9.1 Cleanliness and Preservation	33
9.2 Packaging for Electrostatic Discharge Sensitive (ESDS) Items	34
9.3 Hazardous Material Control.....	34
9.4 Foreign Object Debris/Damage (FOD)	34
9.5 Cable and Harness Packaging.....	34
9.6 Storage and Transportation	35
10.0 Regulatory Compliance.....	35
10.1 REACH	35

1.0 Acronyms

ADCN:	Advance Drawing Change Notification
ANSI:	American National Standards Institute
APQP	Advanced Product Quality Planning
AQL:	Acceptance Quality Level
BCM:	Business Continuity Management
CAR:	Corrective Action Request
CARC:	Chemical Agent Resistant Coating
CDR:	Contract Deliverable Requirement
CoC:	Certificate of Conformance
COTS:	Commercial-Off-The- Shelf
C-PLAN:	Control Plan
CQR:	Contract Quality Requirements
DCMA:	Defense Contracts Management Agency
DFAR:	Defense Federal Acquisition Regulations
DOT:	Department of Transportation
DTS:	Dock-to-Stock
FAI:	First Article inspection
FAR:	Federal Acquisition Regulations
FAT:	First Article Test
FOD:	Foreign Object Debris/Damage
FPI:	First Piece Inspection
GIDEP:	Government Industry Data Exchange Program
GFE:	Government Furnished Equipment
GFM:	Government Furnished Material
ISO:	International Organization for Standardization
ISIR:	Initial Sample Inspection Report
IATF:	International Automotive Technical Forum
ITAR:	International Traffic in Arms Regulations
ILAC:	International Laboratory Accreditation Cooperation
IWO:	Interdivisional Work Order
MCOTS:	Modified Commercial-Off-The-Shelf
NADCAP:	National Aerospace and Defense Contractors Accreditation Program
NDE:	Non-destructive Examination
NOR:	Notification of Revision
OCM:	Original Component Manufacturer
OSHA:	Occupational Safety and Health Administration
OQE:	Objective Quality Evidence
PFMEA:	Process Failure Mode Effects Analysis
PO:	Purchase Order
PPAP:	Production Part Approval Process
PR:	Procurement Representative

QAP:	Quality Assurance Provisions
QAR:	Quality Assurance Requirements
ROM:	Rough Order of Magnitude
SAE:	Society of Automotive Engineers
SFTS:	Secure File Transfer System
SPS:	Standard Process Specification
SQAM:	Supplier Quality Assurance Manual
SQAP:	Supplier Quality Assurance Provisions
TDP:	Technical Data Package
UN:	United Nations
VIR:	Vendor Information Request
WPS:	Weld Procedure Specification

2.0 Introduction

This Supplier Quality Assurance Manual ("Manual") defines the expectations and requirements with which Suppliers and their sub-tier Suppliers shall comply when providing materials, products, parts, processes, and/or services regardless of the Supplier's industry, regulatory accreditation, or certification status. This Manual is incorporated by reference into the BAE Systems Purchase Order with the Supplier. Suppliers shall follow the current revision of the Manual noted on their Purchase Order (PO) at the time of contract award.

All communications relative to the requirements of this Purchasing Agreement (PA), its associated Technical Data Package (TDP), or this Manual shall be directed to the appropriate BAE Systems Procurement Representative, (PR).

As used in this Manual, the terms "Supplier", "Seller", "Vendor", and "Subcontractor" shall have the same meaning and may be used interchangeably.

As used in this Manual, the terms "Purchase Order", "Purchasing Agreement", and "Contract" shall have the same meaning and be used interchangeably.

CMS is defined to include the following facilities: York, Elgin, Sterling Heights, San Jose, Aiken, Phoenix, Anniston, Aberdeen, Louisville and Minneapolis.

3.0 Contracts

3.1 Business Continuity Planning

Because of BAE Systems' relationship with its Customer and our sense of responsibility to the war fighter, it is imperative that we deliver quality products in accordance with our customer's schedule. Unforeseen events are a part of our daily life. Our goal is to be as prepared as possible to respond and recover from events such as but not limited to natural disasters, global health crisis, cyber or physical acts of domestic or foreign terrorism, etc., within the Supplier's specific location which will permit the Supplier to fulfill its commitments to both BAE Systems and to those who work to protect our freedom.

For these reasons, BAE Systems' Suppliers shall incorporate an effective Business Continuity Management (BCM) Plan. Suppliers shall demonstrate business continuity proficiency by having a BCM Plan that includes a business continuity strategy (based on a documented risk assessment and business impact analysis), an incident response plan, an incident recovery plan, a business continuity awareness and training plan, a business continuity plan exercise, assessment, and maintenance, a documented crisis communication plan, and a plan for coordination with external agencies. As a guide, Suppliers can utilize the Disaster Recovery Institute International (DRII) professional practices for BCM.

A maturity level will be applied to the Supplier based on the demonstrated business continuity proficiency and will serve as an ongoing business continuity performance indicator. A business continuity plan is to be provided by the Supplier upon request from BAE Systems Inc.

3.2 E-business Capabilities

The Supplier shall have email, internet access, and document scanning capabilities sufficient to communicate electronically and provide/receive documentation in electronic format. Documentation includes, but is not limited to, inspection reports, test reports, material certifications, and process certifications. It is the Supplier's responsibility to ensure that documentation converted from paper to electronic format is legible, complete and in English. In the absence of a compliant cybersecurity system

or ability to utilize SFTS, the supplier must work with BAE Systems Procurement Representative (s) for a mitigation plan.

3.3 Notification Responsibility

The Supplier shall notify their PR in writing using VIR form 089725, as set forth in Section 5.2 below, in the event that any one of the following occurs:

- Supplier name change
- Change to/relocation of Supplier's place of performance
- Change to a Supplier's manufacturing process, source, inspection method, location of manufacture, equipment, or material that could potentially affect fit, form, or function of deliverables,
- Any change in drawing, design, or configuration for any Supplier or Source controlled part,
- Any lapse in production for 24 months from the completion of the last production operation prior to restart of production,
- Receipt of any Corrective Action Request (CAR/WCAR) from DCMA or any other customer that relates to or could impact product or processes provided to BAE Systems,
- Change in QMS certification, including issuance of new registration certification or loss of certification or,
- Any sub-tier Supplier notification for the changes described under this section that impact the producibility, reliability, effectiveness, maintainability, or safety of deliverables.
- For items where BAE Systems has design authority, Suppliers are required to obtain written approval from the BAE Systems Procurement Representative prior to any change(s) that could affect product quality and/or product fit, form, or function. Suppliers are required to maintain a record of all such approvals and have them available upon request.

Failure to notify BAE Systems in a timely manner prior to shipping product may result in the following:

- On-site inspection by BAE Systems or their representative at the Supplier's expense
- Audit of the Supplier's facility at the Supplier's expense
- Withholding of new business opportunities
- Rejection of any product shipped

3.4 Confidentiality

When the Supplier has been given access to BAE Systems proprietary information, the Supplier shall take necessary steps to minimize the exposure of that information within its facility and to prevent said information from unintended exposure to third parties. If the Supplier determines that proprietary/confidential information has been or may have been compromised, they shall notify the BAE Systems PR immediately.

In the event a Non-disclosure Agreement (NDA) is entered into between the Supplier and BAE Systems, the Supplier shall contact BAE Systems prior to passing proprietary information to a sub-tier Supplier to determine if a separate NDA is required between BAE Systems and the sub-tier Supplier.

3.5 Control of BAE Systems-furnished Property

For any property furnished to the Supplier by BAE Systems (materials, tooling, product, etc.) the Supplier shall perform the following actions:

- Maintain a system to ensure adequate control and protection of all furnished property.
- Plainly mark or otherwise adequately identify furnished property as the property of BAE Systems.
- Safely store all furnished property separately and apart from the Supplier's property.
- Keep all furnished property in the Supplier's possession and/or control in good and serviceable condition (including the performance of calibration and preventative maintenance) and free of liens and encumbrances.
- Unless the property is modified, as part of the Supplier's normal manufacturing process, furnished property should be returned in the same condition as originally received by the Supplier, reasonable wear and tear accepted.
- All GFM/GFE and BAE Systems' property furnished for this Purchasing Agreement must be recoverable and returned to BAE Systems when directed.

Any property furnished by BAE Systems shall not be used in the execution of contracts for any other customer without prior written permission from BAE Systems. BAE Systems reserves the right to audit the Supplier's Customer-furnished Property Management System as necessary to ensure compliance to this requirement.

4.0 Order of Precedence

In the event of a conflict between the requirements contained within the Purchasing Agreement, the parties agree that the order of precedence terms set forth in the applicable BAE Systems' terms and conditions, such as BAEDOC USGOV, NONUSGOV, etc. (located [here](#)), in Section 5 Precedence (or any negotiated replacement of the same) shall apply. As used therein, the term "special provisions" includes, but is not limited to the following, in descending order of precedence:

- Notes attached to the PO and/or configuration notes on the Contract Quality Requirements, etc.
- 095871 Contract Deliverable Requirements (CDR).
- 095870 Supplier Quality Assurance Manual (SQAM).

The phrase "specifications or drawings" means the following, in descending order of precedence:

- Authorized Changes to the drawing (s) (e.g., ADCN, NOR, RFV, etc.).
- Drawing (s).
- Applicable Acceptance and Quality Specifications (Performance Specification, QAP, SQAP, QAR, SPS, etc.).
- Specifications cited on the drawing.
- Documents cited within specification.

Control of the TDP applies to all documents the Supplier provides to their sub-tier Suppliers. The Supplier to BAE Systems, CMS, is fully responsible for the work performed by sub-tier Suppliers. (Note: this includes Suppliers directed by BAE Systems, Suppliers that may be listed on the BAE Systems' Approved Supplier List (ASL), or Suppliers selected by the Supplier).

5.0 Engineering

5.1 Cancelled, Superseded, Obsolete Specification

Unless the Purchasing Agreement specifies usage of an earlier version, the latest revision/ supersession of specifications/standards referenced in the TDP at the time the PA is released, applies.

5.2 Requests for Information/Change/Material Disposition

All requests for information/clarification, requests for change, and requests for disposition of nonconforming material shall be submitted using the embedded link within the 089725 Vendor Information Request (VIR) form. The form is accessible via the Supplier website ([located here](#)). The Supplier is not authorized to incorporate any changes until formal approval is received via a change to the Purchasing Agreement(PA).

5.3 Technical Documents/Configuration Control

The Supplier shall have available all design records (drawings, specifications, etc.) for the products manufactured including components or details of assemblies and technical standards noted on the drawings. Documents are to indicate the date of the design record and the change level and shall include any authorized engineering change documents used in conjunction with the part drawings.

Those Suppliers with design control over their own products shall have configuration management processes in place to manage design changes. Configuration disciplines that are required include: configuration identification, configuration control, configuration status accounting, and configuration audits. These practices shall be subject to audit by BAE Systems.

6.0 Purchasing

6.1 Sub-tier Management

The Supplier shall flow down applicable specifications, descriptions, requirements, and all requirements in this Manual to their Sub-tier Suppliers. The Supplier shall have processes for:

- Flowing applicable requirements to Sub-tier Suppliers including the applicable revision or amendment level of referenced BAE Systems specifications and other required documents,
- Determining the suitability of the Sub-tier Supplier prior to issuing a Contract to the Sub-tier Supplier and periodically reevaluating the Sub-tier Supplier to ensure compliance, capability, and capacity to BAE Systems requirements, and
- Verifying material, process, and/or service from Sub-tier Suppliers that meet the requirements of the Contract, and material is traceable to the Contract.
- Provide sub-tier Supplier documentation upon request by BAE Systems
- Ensure response from the Sub-tier Supplier if corrective action becomes necessary

At no time will BAE Systems actively engage a Sub-tier Supplier regarding an open PO item without first notifying the Supplier.

6.2 Source Controlled Drawings/Vendor Item Drawings

Drawings identified as “Source Controlled” contain a list of approved source (s) of supply. The Supplier is required to purchase these items from an approved source. Where the approved Supplier cannot be used, written authorization from BAE Systems is required prior to purchasing material from an unapproved source.

Drawings identified as “Vendor Item” contain a list of recommended source (s) of supply. The Supplier is recommended to purchase these items from the recommended source (s).

6.3 Qualified Products List

Any items supplied against this PA applicable to a Government Qualified Products List/Database as defined by the specification (s), such as paint products, pre-treatment chemicals, electrical connectors, etc., shall be manufactured by and traceable to a Government-approved source.

6.4 FAR / DFAR (Domestic Preference Requirements)

The Supplier shall adhere to all FAR and DFARS domestic preference requirements set forth in the terms and conditions contained in the Supplier’s PO. Suppliers are responsible for reviewing the contents of their PO to determine all applicable mandatory flow-down requirements prior to performance.

Important domestic preferences/clauses incorporated in the PO may include but are not limited to the following:

FAR 52.225-13	Restrictions on Certain Foreign Purchases
DFARS 252.225-7001	Buy American and Balance of Payments Program
DFARS 252.225-7007	Prohibition on Acquisition of Certain Items from Communist Chinese Military Companies
DFARS 252.225-7008	Restriction on Acquisition of Specialty Metals
DFARS 252.225-7009	Restriction on Acquisition of Certain Articles Containing Specialty Metals
DFARS 252.225-7015	Restriction on Acquisition of Hand or Measuring Tools
DFARS 252.225-7016	Restriction on Acquisition of Ball and Roller Bearings
DFARS 252.225-7025	Restriction on Acquisition of Forgings
DFARS 252.225-7052	Restriction on the Acquisition of Certain Magnets, Tantalum, and Tungsten
DFARS 252.225-7030	Restriction on Acquisition of Carbon, Alloy, and Armor Steel Plate
DFARS 252.225-7050	Disclosure of Ownership or Control by the Government of a Country that is a State Sponsor of Terrorism
DFARS 252.225-7060	Prohibition on Certain Procurements from the Xinjiang Uyghur Autonomous Region

6.7 Counterfeit Parts Prevention Plan

Suppliers providing materials, components, or parts; including Electrical, Electronic, and Electromechanical (EEE) items and non-EEE items such as fasteners, bearings, raw materials, castings, forgings, and mechanical hardware shall maintain and implement a Counterfeit Parts Prevention (CPP) plan. The plan shall comply with DFARS 252.246-7007 & DFARS 252.246-7008, or SAE AS5553, and any additional requirements identified in the Purchasing Agreement. The CPP plan shall ensure the prevention, detection, control, and disposition of suspect counterfeit and counterfeit items.

The Supplier shall establish, document and maintain CPP processes that address, at a minimum:

- Training of personnel involved in procurement, quality, inspection, handling, or other functions related to CPP requirements.
- Monitoring and controlling obsolescence to reduce the risk of unauthorized or high-risk substitutions.
- Procuring items only from authorized sources, including OCMs, OEMs, Authorized Distributors, Authorized Suppliers, mills, or certified material producers, as applicable.
- Conducting a documented risk assessment when procurement from Independent Distributors or other non-authorized sources is required.
- Performing verification, testing, or authentication appropriate to the item type and source, including industry-recognized methods when sourcing from non-authorized suppliers.
- Obtaining written approval from BAE Systems prior to purchasing from any non-authorized source.
- Maintaining traceability and objective evidence for all EEE and non-EEE items, including heat numbers, batch/lot information, mill certifications, and other required documentation.
- Flowing down CPP requirements to all sub-tier Suppliers and verifying their compliance.
- Implementing a documented process for the investigation and evaluation of suspect or confirmed counterfeit items.
- Immediately segregating and quarantining suspect and confirmed counterfeit items to prevent unintended use.
- Permanently destroying confirmed counterfeit items to prevent reentry into any supply chain.
- Periodically reviewing and updating internal procedures to reflect current counterfeit trends, risk indicators, and industry or regulatory changes.

6.8 Commercial-Off-The-Shelf (COTS) Parts

Commercial off the Shelf (COTS) parts are commercially available items by design to be procured and utilized without modification (e.g., common electronic components), as defined in FAR 2.101. For parts identified as COTS catalog parts, this may consist of functional specifications or a reference to a recognized industry standard. Unless otherwise specified within the PA, First Article Inspection (FAI) is not required for COTS item (s). The Supplier shall provide a Certificate of Conformance (CoC) and/or a packing slip as the OQE where no other objective evidence is available.

Modified COTS parts do not fall within the requirements of a COTS definition per FAR described above. A modified COTS part is a part that has been modified or altered from its commercially available configuration to meet customer needs. Modified COTS parts are not exempt from all other quality requirements due to modification.

6.9 Prohibited Materials

BAE Systems contracts prohibit the use of the following materials:

- Asbestos, beryllium, cadmium, Class I and Class II Ozone Depleting Substances, hexavalent chromium, lead, mercury, radioactive materials, and other Group 1 Agents classified as carcinogenic to humans by the International Agency for Research on Cancer (IARC) Monographs, shall not be present in or on any components without BAE Systems' approval.
- A radioactive material is defined as any source material, as defined by Title 10, Code of Federal Regulations, Part 40, Domestic Licensing of Source Material, in excess of 0.05% by weight.
- If the Safety Data Sheet (SDS) author finds evidence that the material poses a carcinogenic risk, the information will appear in Section 11 (Toxicological Information) of the SDS.

If your contract requires any of the above materials, utilize the VIR submission process for guidance.

Exceptions to the Prohibited Material Requirements (PMR):

Substances used in the following applications may be used without requesting approval prior to use in designed components and hardware:

- Lead-acid batteries
- Lead solder
- Lead battery terminal adaptors/clamps
- Steel containing up to 0.35 % lead by weight
- Aluminum containing up to 0.4 % lead by weight
- Copper and brass alloys containing up to 4 % lead by weight
- Beryllium and beryllium alloys used in electrical components

6.10 Government-Industry Data Exchange Program (GIDEP) Reporting

The Supplier shall comply with all Government-Industry Data Exchange Program (GIDEP) screening and reporting requirements as specified by the Contract and applicable federal regulations. These requirements apply to all materials, components, and services provided under the Purchasing Agreement.

The Supplier shall:

- Screen GIDEP reports, alerts, problem advisories, and related notices as part of its procurement, inspection, and quality management processes to prevent the use or shipment of suspect, counterfeit, or nonconforming items.
- Maintain records of GIDEP screening activity and provide such records to BAE Systems upon request.

- Submit a GIDEP report when suspect counterfeit, confirmed counterfeit, major, or critical nonconforming conditions are identified that may affect form, fit, function, performance, reliability, or safety.
- Notify the BAE Systems Procurement Representative within 24 hours of identifying any issue requiring GIDEP reporting.
- Upon request, Provide all supporting documentation associated with the GIDEP submission, including failure analysis results, inspection or test data, and traceability information.
- Flow down GIDEP screening and reporting requirements to all applicable sub-tier Suppliers and ensure compliance.
- Incorporate GIDEP-related information into internal risk assessments, corrective actions, and preventative actions, including read-across evaluations when appropriate.

7.0 Production

7.1 Special Processes

The Supplier is required to validate and control all special processes as required by the Contract and shall maintain evidence that supports the Suppliers or their Sub-Tier Suppliers ability to achieve the specified results. Validation includes but is not limited to defined process criteria, approved and trained personnel, approved equipment, specific methods or procedures specified by the design authority, inspection, retention of records, test reports and revalidation plans. BAE Systems reserves the right to verify or validate by any means necessary special processes that are used on BAE Systems products. Contracts may require Nadcap certification, International Laboratory Accreditation Cooperation (ILAC) certification or BAE Systems audit approval.

All special process Suppliers or their Sub-tier Suppliers utilized on the PA shall comply to the following approval platforms below. All costs associated with NADCAP accreditation shall be borne by the special process Supplier.

- The following special processes are required to be approved by BAE Systems **prior to start of production**:
 - Chemical Agent Resistant Coating (CARC) Painting
 - Requires BAE Systems process audit approval but does not require NADCAP accreditation
 - Welding/Brazing
 - Requires BAE Systems Weld Process Audit approval
 - Special processes requiring NADCAP approval when CDR 030C is applied:
 - Heat treating
 - Plating
 - Painting (non CARC painting/coating)
 - The following special processes are required to be certified to the identified standards:
 - Non-destructive testing personnel (shall comply with SNT-TC-1A, NAS 410, SNT-TC-1A as modified by NAVSEA T9074-AS-GIB-010/271-ACN1, and/or ASNT CP-189, as required by the applicable contract) shall have a Level 2 or higher certification.
 - Entities performing sub-contracted Destructive Testing (DT) shall be ISO/IEC 17025 accredited.
 - Solder – certified to specification defined in the TDP

7.1.1 General Special Process Requirements

For Suppliers providing items which require special processing, the special process Supplier shall:

- Maintain training/certification documentation for operators and inspectors in support of the special process being performed and make those records available to BAE Systems upon request. Operators/Inspectors performing NDE, soldering, and/or welding/brazing shall be certified to the proper level as identified in the specifications called out in the TDP of the purchase agreement.
- Maintain special process procedures/work instructions with revision control
- Maintain objective evidence of product compliance to the relevant drawing/specification(s) governing that special process

Note: Additional requirements for certain special processes may be applicable through the PA.

7.1.2 Chemical Agent Resistant Coating (CARC)

Processing of CARC-finished parts/assemblies shall only be performed by a BAE Systems approved Supplier. Suppliers that outsource paint operations shall notify the sub-tier Supplier that the end item is deliverable to BAE Systems CMS to ensure full traceability. Additionally, Suppliers shall flow down all applicable contract requirements and technical data to the sub-tier to ensure the sub-tier possesses the necessary drawings and specifications to execute the process in full compliance with BAE Systems requirements. Parts received that are not finished by an approved Supplier will be rejected and may be subject to rework by an approved Supplier at the Supplier's expense. BAE Systems' management and audit of the Approved CARC Paint Supplier list does not relieve the Supplier of the responsibility to perform independent due diligence to ensure the selected painter meets the Supplier's internal quality standards and supplier selection requirements.

For Source Controlled Items or COTS items with CARC requirements, the Supplier is not required to utilize BAE Systems approved Suppliers for CARC application. However, the Supplier must maintain and provide all supporting documentation as required by the applicable drawing/specification upon request.

If directed by BAE Systems to apply CARC paint (modified commercial or COTS item), the Supplier must use a BAE Systems approved CARC painter.

For the approved CARC Paint Supplier list, please see the Platform & Services Purchasing Website (<https://www.baesystems.com/en-us/our-company/suppliers/united-states/platforms-and-services/combat-mission-systems>) "Approved Painter List" BAE Systems approved CARC painters are required to maintain all required documentation validating compliance to all requirements.

7.1.2.1 Test and Inspection Documentation

The Supplier shall provide a copy of all test and inspection documentation for BAE Systems' review upon request as follows:

- Name and address of the finisher

- BAE Systems Part Number and revision
- Finisher Part Number and revision
- BAE Systems PA number
- List of specifications and their revisions used in the processing of the paint
- Salt spray test results
- Adhesion testing results as required per drawing and/or specification
- Surface blast profile measurement
- Paint thickness of a sample of actual parts for the primer
- Paint thickness of a sample of actual parts for the top coat
- Material lot/batch number(s)
- Material expiration date(s)
- Printed name, signature, and title of Supplier's representative
- Certificate of Conformance

7.1.3 Welding/Brazing

The welding/brazing of BAE Systems' part (s) and/or assemblies shall only be performed by a BAE Systems approved Weld Supplier. Parts received, which are not finished by an approved Supplier, shall be rejected and may be subject to rework by an approved Supplier at the Supplier's expense. For the approved Weld Supplier list, please see the Supplier Website "CV Approved Weld Supplier List" ([located here](#)).

For Source Controlled items and/or COTS parts that have welding/brazing requirements applied in design, the Supplier is not required to utilize BAE Systems approved Weld Suppliers for the welding/brazing application, however the Supplier shall have all supporting documentation as required per the specification and provide to BAE Systems upon request.

The welding/brazing of BAE Systems' part (s) and/or assemblies shall only be performed by Suppliers/Sub-Tier Suppliers whose procedure(s) have been approved by BAE Systems, unless otherwise noted in Section 7.1.3.2 Supplier Weld Procedures.

7.1.3.1 Transfer of BAE Systems Weld Procedure

A Weld Supplier and/or sub-tier Supplier may utilize BAE Systems Qualified Weld Procedures for CDR007 Welding-Combat Vehicles only, as permitted by the contract and/or specification in the event the following requirements have been satisfied:

- The Supplier and sub-tier Supplier has attended and passed the BAE Systems Supplier Weld Procedure Training Program.
- The Supplier and/or sub-tier Supplier has undergone a successful BAE Systems Weld Process Audit confirming the Supplier has adequate weld systems in place prior to performing any welding for BAE Systems.

In the event there is objective evidence that demonstrates a Supplier and/or sub-tier Supplier is not capable of meeting the requirements of this document and/or the specification, the transfer of that Weld Procedure shall be suspended until such time as the Supplier and/or sub-tier Supplier can produce

a validation coupon and pass the relevant procedure qualification requirements and provide a root cause analysis on the deficiencies identified.

7.1.3.2 Supplier Weld Procedures

The BAE Systems Weld/Braze Supplier shall submit and gain approval on all weld/braze procedure (s) prior to the start of fabrication. All procedures require approval prior to beginning the welding/brazing processes unless the exceptions below apply:

Exceptions to the requirements detailed in Section 7.1 Special Processes include the following:

- COTS parts, as described in Section 6.8 of this document
- Tooling
- Fixtures
- Non-Deliverable parts/items which are not delivered to the Customer

Suppliers are encouraged to submit procedures for BAE Systems review and approval at least 30 days prior to the start of fabrication. Timely submission is essential to ensure that procedures can be reviewed and approved in a manner that supports the agreed-upon need by date, as stated in the BAE Systems Purchasing Agreement. Failure to meet this timeframe may impact the Supplier's ability to meet the required delivery date.

7.1.3.3 Weld Joint Base Material Cleaning and Surface Preparation

Surface Cleaning is defined as the following:

- All surfaces that need welded and surfaces that may affect quality of the resulting weld (welding filler materials, fixtures/tooling, etc.) shall be free from contaminants.
- Chemical methods or mechanical methods shall be used before welding, as needed, to ensure compliance with the requirements (*AWS D17.1 Section 6.5.1 Surface Cleaning*).
- Surface preparation and base material cleaning shall be required as defined by the applicable code and/or procedure.
 - Cleaning methods may include a combination of mechanical and chemical cleaning methods, as permitted by the applicable code and/or as qualified by the weld procedure.
- The applicable code may define distances in which cleaning is required beyond the requirements detailed in this section. In the event the code specifies a more expansive cleaning process and/or applicable distances, the code shall take precedence over this section.
- Following initial cleaning, surfaces to be welded shall be wire brushed immediately prior to welding by means of mechanical and/or manual operations.

When a conflict is noted between this section and the applicable weld code and/or weld procedure, the weld code and/or weld procedure requirements shall take precedence. Surfaces to be welded upon, and the adjacent surfaces in the expected weld area, shall be considered clean when the surfaces are dry and free of surface matter, foreign materials, and defects that may be deleterious to the weld including, but not limited to, the following:

- Paint
- Dirt
- Oil
- Grease
- Processing lubricants
- Moisture
- Mill scale
- Rust
- Silicon deposits
- Oxide
- Nicks, gouges, and/or irregularities
- Zinc, galvanizing, or thermal spray aluminum
- Excess slag
- Protective finishes

When the applicable Weld Code does not address material cleaning dwell times, the following shall apply for all aluminum alloys: the interval between any wire brushing of the joint and welding shall not exceed 24 hours. If contamination with dirt and/or moisture occurs any time after cleaning and prior to welding and/or between passes, the joint must be re-cleaned.

If cleaning requirements are not called out in the weld code and/or weld procedure, at a minimum, cleaning methods shall extend beyond the furthest point of the completed weld toe to ensure that adequate cleaning has been performed prior to the execution of welding.

In the event the Supplier utilizes BAE Systems Weld Procedures for CDR007 Welding-Combat Vehicles, the cleaning required is as detailed in Chapter 1 General Welding Information Clause 5 and Section 2 Cleaning Requirements of Aluminum Weld Joints shall be adhered to. Distances detailed in these attachments are objective and shall be satisfied unless the available base material is below the minimum distances specified in the procedures.

7.2 Part Identification Marking

Identify all parts using the criteria listed below:

- All commercial parts will be identified as defined on the commercial TDP.
- Outside Special Processes, (OSP) will be marked per the Statement of Work, (SOW).
- All other parts are to be marked with the following criteria:
 - Part Number Prefix as defined on the drawing, as applicable.
 - Part Number as defined on the PO line item for the part.
 - Cage Code as defined on the drawing, as applicable.
 - Cage Code of the producing Supplier/vendor.
- Parts that are part of a kit, shall be part marked per lower level drawing requirements.
- The method will be as defined on the drawing:

- If no method is defined use MIL-STD-130 as a guide for determining the marking/identification method.
- The marking method cannot affect form, fit, or function of the part.
- The location will be defined on the drawing as follows:
 - If no location is defined, the Supplier is to determine the best marking location.
 - The marking location cannot affect form, fit, or function of the part and in a visible location on the exterior of the part.
- The Supplier is responsible to meet minimum character size per drawing.

If there are any questions, please submit a VIR for clarification.

The Supplier shall ensure that parts are legibly marked in accordance with these requirements. (If this identification is no longer visible, after all finishing processes have been completed the information must be reapplied with the identification method to be determined by the Supplier, the identification process cannot affect form, fit or function of the part). Objective evidence must be made available upon request to support the original marking methods used.

Suppliers are responsible for maintaining objective evidence for all part marking compliance for each shipment, coordinating and documenting the traceability to the specific shipment.

7.3 CARC Paint Marking

All CARC painted parts and CARC painted sub-components large enough to be individually marked shall be marked with the name or logo of the painter and the date or lot identification on which the parts were painted. If the Supplier CARC paints the parts, only the date on which the parts are painted is required. Marking shall be ink stamped in a contrasting color with the size and font at the discretion of the Supplier. Items too small to be individually marked shall have this information marked on the packaging. Wherever possible, separate part marking and CARC paint marking for clarity.

Example:

ABC Finishing Company
1/1/2012

8.0 Quality

8.1 Supplier Monitoring and Rating

BAE Systems, Combat Mission Systems rates and monitors the performance of its Suppliers. A Supplier's rating is based upon:

- Quality Rating
 - % Acceptance
 - 1 - Total Defectives / Total Receipts

Suppliers who fall below the established quality performance threshold (98% Quality Rating) may be subject to one or more actions, including but not limited to: audits, request for corrective action, an improvement plan, restrictions on receiving new business and/or placed on Containment Level I or II.

8.2 Quality Management System

The Supplier agrees to provide and maintain a quality control management system for goods/services to an industry recognized quality standard acceptable to BAE Systems (i.e. AS9100, ISO 9001-2015 (or latest revision), IATF 16949, NADCAP, ISO/IEC 17025). QMS certifications shall be issued by an accredited registrar recognized through the International Accreditation Forum (IAF) to the latest revision of industry standards. The Supplier shall permit, authorized Customer representatives, and regulatory authorities to review facilities, procedures, practices, processes, and related documents to determine such QMS acceptability.

Quality Management System Approval by Certification:

- Current certification shall be on file and submitted to BAE Systems, verifying that such a system exists, is being maintained, and is certified with the standard requirements.
- Any change in certification (revocation, etc.) the Supplier is required to submit a VIR notifying BAE Systems any change with certification.
- In the case of expired certifications, the Supplier shall submit a new certificate prior to expiration to BAE Systems Purchasing Representative.
- The Supplier, upon request, shall make procedures and records available for examination. BAE Systems reserves the right to audit the Supplier at any time with prior notice.

Alternatively, the Supplier may opt for QMS approval by BAE Systems audit.

- The Supplier shall maintain a compliant QMS to ISO 9001-2015 (or latest version), AS 9100, IATF 16949, NADCAP, ISO/IEC 17025.
- The QMS shall be verified by a BAE Systems audit.

BAE Systems, Phoenix AZ Suppliers are required to comply with AS9100D Clause 8.4.3m. "Information for External Providers" by ensuring that all Supplier personnel and sub-tier Supplier personnel are "aware of their contribution to product or service conformity, their contribution to product safety and the importance of ethical behavior."

8.3 First Article Inspection (FAI)

The Supplier shall conduct and complete a First Article Inspection (FAI) in accordance with SAE AS9102. The FAI shall be performed on one or more production representative items from the first production run, produced using released production documentation, intended tooling, planned manufacturing processes and normal inspection methods. Unless otherwise specified in the Contract, the FAI shall be completed to the top-level item/assembly and apply to all subassemblies and piece parts detailed in the technical data package (TDP). If the first article fails to meet the functional, dimensional or TDP requirements, a new first article must be generated, tested and measured.

Catalogue and COTS parts require a CoC or packing slip and do not require an FAI unless otherwise specified. Items having one or more characteristics identified on the drawing as "Critical Characteristic" (CC) or "Key Characteristic" (KC) on the BAE Systems drawing, shall be inspected and/or tested

accordingly. Note: CAD models provided are for reference only and shall not be used for product acceptance.

The Supplier is not required to perform or submit a new full or partial FAI unless the following circumstances exist:

- An FAI requirement by the Contract
- A change in engineering definition affecting design characteristics
- A change in manufacturing source (s), process (es), inspection method (s), tooling, materials/alternate materials, or location of manufacture
- A change in the numerical control program or translation to another media
- A natural or man-made event, which can adversely affect the manufacturing process
- An implementation of corrective action required to complete a previous FAI
- A lapse in production for 24 months unless otherwise specified by the Contract

8.3.1 Inspection

Following the FAI, the Supplier shall establish and maintain a process which ensures that all supplied product is compliant to all Contract requirements. This process shall consist of a C=0 sampling plan, SPC or an alternate method which ensures that the final shipped product meets all compliance requirements.

For in-process inspections, a minimum of 4.0 AQL sampling plan or better is required, unless adequate OQE or validated process controls (CPK studies, etc.) support reduced inspection criteria. If required by Contract the Supplier may be required to submit a plan to BAE Systems for approval. A record of the plan's approval shall be kept on file with the FAI acceptance documentation.

Coated Parts Requirements:

The following applies to items which are coated or contain coated components. For this provision, coating is defined as a layer of material deposited onto the surface of another material to enhance the surface properties for corrosion and wear protection including but not limited to paint, electroplate, anodize and chemical film deposition.

The Supplier shall measure dimensions in accordance with the drawing notes for the coated item.

For parts without drawing notes specifying when dimensions apply, the Supplier shall use the following criteria:

- Organic coatings (CARC and non-CARC painting): The Supplier shall measure dimensions prior to coating.
- Inorganic Coatings (electro and electroless plating, anodize, chemical film, dry lubricant): The Supplier shall measure dimensions after coating.

Inspection requirements for certain special processes, testing, and fasteners:

- Visual weld inspection sample (s) shall be 100% or per applicable specification requirements
- Verification/validation of finishing processes shall be performed on each manufacturing lot unless a higher frequency is required by the relevant specification

- Non-Destructive Evaluation (NDE) / Non-Destructive Testing (NDT) as required by the specification/contract.
- Frequency-based testing such as sample/quantity or sample/time period shall be followed unless a higher frequency is required by the relevant specification.
- Documented/specified fastener quality assurance requirements shall be followed.
- All visual inspection and NDT on armor and low alloy steel (100KSI tensile strength or greater) shall be completed no earlier than 48 hours after completion of welding.

Parts for which the design is proprietary to the Supplier, or their sub-tier Supplier, and which are ordered to the Supplier/Sub-tier Supplier's part number shall only require a CoC from the manufacturer.

8.3.2 Supplier Qualification / First Article Testing

Where FAT is required, follow the requirements within CDR 004. Where CDR 004 is not assigned and performance requirements are specified in the TDP, the Supplier is responsible for ensuring compliance with these requirements via applicable testing. The Supplier is responsible for maintaining records of compliance to these requirements and shall submit to BAE Systems upon request.

8.3.3 Workmanship

For manufactured products requiring soldering, the purchased items shall meet the workmanship requirements contained in the latest applicable industry standards (i.e. soldered electrical assemblies shall meet Global Electronics Association (GEA)/Institute of Printed Circuits (IPC) Joint Industry-standard (J-STD-001), IPC-610, and IPC-620)).

All other part types shall have workmanship standards in accordance with the relevant drawings, specifications, and the Supplier's QMS. Any workmanship requirements specified on the component specification/drawing or elsewhere on the contract or purchase order shall take precedence over this paragraph.

8.4 Measuring and Test Equipment

The Supplier shall establish and maintain a documented calibration, control and maintenance system to verify conformity of all Measuring and Test Equipment (M&TE) such as gages, tools, jigs, fixtures, dies and inspection and test equipment used to verify conformity to applicable requirements. This system shall be compliant with ISO 9001:2015 (or latest version), AS 9100, IATF 16949, ISO/IEC 17025 or shall be approved by BAE Systems this includes outside calibration, inspection/test, and services.

8.5 Certificate of Conformance (CoC)

The Supplier, when required by the contract or upon request by BAE Systems shall generate and provide a CoC with each shipment. The instructions for submitting the CoC shall be as defined by the Purchasing Agreement. The CoC shall provide a statement of conformity (e.g., "I hereby certify the materials/service supplied was produced and or provided in accordance with the full requirements of the purchase order.") with signature and title of the authorized representative. The paperwork for each shipment shall contain as applicable the following information:

- Supplier's name and address
- Manufacturer's name and address (if different from supplier name above)
- BAE Systems' PA number and line number
- BAE Systems' item number, description, and revision as specified on the PA
- Unique Item Identifier, i.e., date codes, lot codes, heat codes, serializations, unique item identifiers, or batch identifications as applicable
- Quantity
- A statement that the product/service meets all of the requirements of the PA and its TDP at the prescribed revision level.
- Exceptions, including waivers and deviations (as applicable)
- Signature, printed name, and title of signer (electronic or digital signatures are acceptable)
- Date
- For DFARS material, a certificate is required to state affirmation/compliance to DFARS 252.225-7008 and 252.225-7009.

8.6 Nonconforming Material

The Supplier is responsible for establishing controls to ensure that products not conforming to the Contract are identified, segregated, dispositioned, and controlled to prevent inadvertent use. All costs associated with nonconforming material, including freight, handling, material replacement, inspection, rework, etc., may be charged back to the Supplier.

The Supplier shall notify BAE Systems of nonconforming goods, which cannot be reworked to meet the requirements of the Contract. The Supplier shall obtain written authorization from BAE Systems prior to Supplier's shipment of such nonconforming Goods to BAE Systems. The Supplier shall immediately notify a BAE Systems Procurement Representative of any previously delivered Good that does not meet the requirements of this Contract upon discovery of such non-conformance.

When nonconforming items are to be returned to the Supplier, the Supplier shall provide a Return Material Authorization (RMA) number within 24 hours of notification. Failure to provide the RMA number within the specified time authorizes BAE Systems to return the items at its discretion.

In the event the Supplier identifies a nonconformance, which they are not authorized to correct (i.e., repair or use as-is dispositions), the Supplier shall provide written notification, through submission of a VIR within twenty-four (24) hours of discovery. Suppliers are required to provide complete traceability information for all known or suspect nonconforming product shipped, including but not limited to identification of a batch/lot number, PO, part identification, and dates of shipment. The nonconforming items shall be quarantined at all BAE Systems/Supplier's facilities until BAE Systems provides disposition instructions.

Where nonconforming items pose a risk to BAE Systems' production schedule, BAE Systems reserves the right to request the Supplier to provide on-site support to screen for and/or correct the issue. Upon request, the Supplier shall arrange for on-site support within 24 hours of receipt of the request.

The following clause per PO terms and conditions is applicable to all Goods except for the provision of Goods under a Cost Reimbursable Contract: (i) If the Supplier provides nonconforming Goods, BAE Systems may:

(A) Accept all or part of such Goods at an equitable price reduction,

Or

(B) Repair (s), or have a third party make all repairs, corrections, or modifications necessary to enable such goods to comply in all respects with contract requirements and charge the cost incurred to the Supplier.

(C) Warranty Period - The warranty begins upon acceptance of the good (s) by BAE Systems or the BAE Systems' Customer, whichever is later, and extends for a period of one (1) year. If the good (s) fail to conform to the foregoing warranty, the Supplier shall, at BAE Systems' option and without additional charge, promptly repair or replace the good (s). If a repair or replacement of the good (s) is not timely or fails to correct the non-conformity, BAE Systems may elect to re-procure or re-perform the good (s) at the Supplier's expense. All warranties apply to BAE Systems and its Customers.

8.7 Preliminary Material Review (PMR)

The Supplier is authorized to rework, scrap, or return to their sub-tier Supplier, items which are nonconforming, where these dispositions are subject to the following definitions:

- Rework: the correction of a non-conformance resulting in full compliance to the TDP requirements
- Scrap: disposal/destruction of the nonconforming item (s)
- Return to sub-tier Supplier: returning the item/component (s) to its Supplier/Manufacturer

8.8 Material Review Board (MRB)

The Supplier may not repair nonconforming items or determine that the item may be used as-is unless written authorization is incorporated into the Purchasing Agreement. These dispositions are defined as follows:

- Repair: correction of the non-conformance resulting in a functional item, but where the item does not meet all requirements of the TDP
- Use As-is the determination that the nonconformance does not impact the form, fit, or function of the item even though it does not meet all of the requirements of the TDP

8.9 Corrective Action

The Supplier is responsible for implementing systems capable of resolving problems adversely affecting quality. The Supplier shall:

- Contain all discrepant parts whether they are completed, in process, in inventory, in-transit, previously shipped or in the field.

- Determine the root cause of the issue, why it happened, why it wasn't detected by the system and what systemic failure allowed the deficiency.
- Identify impacts to similar items that use the same process, material, equipment and which may be affected by this discrepancy (read across).
- Implement corrective action to correct the deficiencies.
- Implement preventative actions to preclude recurrence of the issue (s).
- Verify and validate all corrective/preventative actions for effectiveness.

Records which document the above actions, shall be maintained, and made available to BAE Systems, upon request. These records may be in the Supplier's format as long as they address all requirements specified in this document.

In the event a non-conformance is discovered by BAE Systems, there may be a need to issue a Level I or a Level II Supplier Corrective Action Request (SCAR). Failure to respond by required due dates, per SCAR, may cause the supplier to be placed on quality hold until BAE Systems receives an acceptable SCAR response per the PO Terms and Conditions.

All SCARs (L1 or L2) shall be subject for review during BAE Systems audits.

A Level I SCAR informs the Supplier that a non-conformance was identified but does not require a formal response. The Supplier is still responsible for correcting the identified non-conformance in their process and document the actions taken in accordance with their internal corrective action procedures.

A Level II Supplier SCAR requires the Supplier to provide formal written analysis of the root cause and documented corrective and preventative actions. The formal response from the Supplier must be received on or before the response due date or the Supplier's performance and/or risk rating may be impacted.

Based on the SCAR response, BAE Systems may determine what follow up actions are required, if any, and completion of all follow up actions may be required before the SCAR can be closed.

8.10 Deleted

8.11 Right of Access

The Supplier shall permit, authorized Customer representatives, and regulatory authorities to review facilities, procedures, practices, processes and related documents to determine QMS acceptability. BAE Systems and its Customer reserve the right to inspect or observe product, witness testing, and/or evaluate manufacturing and inspection processes/procedures at the Supplier's facility or their sub-tier Supplier's facility at any point during the execution of this PA without additional charge.

In support of these on-site activities, the Supplier shall make available any area of the facility or any individual relevant to the subject of the on-site visit. The Supplier shall also make available any required inspection equipment, records, drawings/technical data, and/or process documentation.

8.12 Data Submission Instructions

All data submissions, unless otherwise specified, shall be submitted electronically. The email subject line should include the relevant PO number and part number. The Supplier is required to use either an encrypted email system (setup between BAE Systems and the Supplier) or Secure File Transfer System (SFTS) for any and all technical data being submitted. Drawings, performance, test data, etc., are considered technical data and need to be protected at all times. All documentation submittals shall include a (092245) Source Inspection Request/CDR Paperwork Submission Form.

To avoid delays in paperwork review or scheduling source inspections, the Supplier shall complete Form 092245 by:

1. Populating the Supplier Information section.
2. Selecting either Source Inspection or CDR Paperwork Submission at the top of the form, based on submission type. This selection will generate hyperlinks to the correct data submission mailboxes.
3. Data submissions shall be sent to designated email addresses based on the ship-to location.

Note: For Phoenix submissions where the parts do not undergo source inspection, data packages and Form 092245 shall be electronically submitted at time of shipment, rather than in advance for acceptance signature.

8.12.1 Dock-to-Stock Part (DTS) Shipments to BAE Systems Phoenix

For DTS shipments, Suppliers must provide a CoC for Designated Quality Representative (DQR) certified parts. All other documentation associated with the part CDRs must be maintained on file at the Supplier's facility.

Note: All certification and test documentation shall accompany a First Article shipment.

8.13 Containment Process

BAE Systems may issue a Controlled Shipping process upon request to ensure the quality and reliability of products supplied to BAE Systems. These processes outline the requirements for containment, inspection, and corrective actions in the event of quality issues. Supplier compliance with these processes is mandatory, and failure to do so may result in additional oversight and/or corrective actions.

Level I Containment

Controlled Shipping – Level 1 (CS1): CS1 requires the Supplier to contain the suspect product and perform a redundant 100% inspection process. This process is done either by the Supplier's employees or by an outside third-party inspection company. The Supplier is required to identify the root cause of the defect (s) and incorporate irreversible corrective actions. Predicated on issue severity, utilization of a formal PPAP and or APQP principles may be invoked by BAE Systems cost associated with this implementation will be at the cost of the Supplier. Following implementation of the irreversible corrective actions the Supplier is required to validate the above process improvement actions are effective. Upon notification, the Supplier must immediately contain by the agreed upon date, all suspect product/material at the Supplier, Customer, in-transit or at the ultimate Customer as applicable.

Note: The Supplier will be notified and must complete Form 089838 Level I Supplier Containment Checklist.

Level II Containment

Controlled Shipping – Level 2 (CS2): The Customer may require CS2 when the Supplier has failed to correct the problem in CS1 or has had major quality problems. In CS2, the Supplier is required to continue their in-house inspections as in CS1 and add an additional redundant inspection process performed by a third-party inspection and sorting company. This third party is selected by the Supplier and is to be approved by the Customer. The Supplier always pays the third-party inspection and sorting company.

The root cause analysis and irrevocable corrective actions if identified/implemented in CS1 must be continued or redone until they are effective as verified by the data reported from the redundant inspection processes. Controlled Shipping Level 2 is required when the Customer determines that Level 1 is not sufficient to isolate the Customer from nonconforming parts. Normally this determination is based on:

- Repeat SCARs
- Duration, quantity, and/or severity of the quality problem
- Controlled Shipping Level 1 failures
- Major disruptions (line stoppage)
- Major Quality problem (customer complaints, warranty defects, etc.)

Controlled Shipping Level 2 requires the Supplier to complete all the actions of Level 1 and to put in place a third-party redundant inspection process to sort for nonconformance (s). The Supplier is required to implement a root cause problem solving process or to continue the root cause problem solving process started earlier. If the Supplier is unable to identify and correct the root cause, the customer may require the Supplier to employ a third-party quality engineering firm to manage the corrective action process. Once the Supplier has met the defined exit criteria, the Supplier requests exit from Controlled Shipping – Level 2. The Supplier must provide supporting documentation and assessments on performance and corrective actions to the Customer.

Based on repeat process failures, utilization of heightened PPAPs, additional BAE Systems oversight and or APQP principles may be invoked by BAE Systems. Cost associated with this implementation will be at the cost of the Supplier.

Note: The Supplier will be notified and must complete Form 089839 Level II Supplier Containment Checklist.

8.14 Documentation Requests

The Supplier is responsible for retaining OQE supporting compliance of the PO, drawing, specification requirements regardless of the CDR assignment on the contract. When BAE Systems requests documentation, all OQE shall be provided within 5 business days of the request. If OQE is retained at a sub-tier Supplier, the Supplier is responsible for flow down of the 5-day requirement.

Failure to submit OQE within 5 days may result in consequences, including Supplier rating impact, rejection of parts, return of parts at the Supplier's expense and issuance of a SCAR. The Supplier is responsible for ensuring full compliance with these requirements and for maintaining accurate records.

8.15 Identification and Traceability

The Supplier shall establish procedures for documenting and maintaining product traceability during all stages of receipt, production, distribution, and life of the product. Traceability requirements include all raw materials, products, and components traced by lot/batch numbers as well as serial numbers as applicable. Assemblies and sub-assemblies shall have traceability of components and parts recorded and maintained, including for builds where kits and/or are provided by BAE Systems.

8.16 Maintenance of Records

The Supplier shall maintain records documenting product compliance with all applicable PAs, drawings, specifications, and standards for a period of ten (10) years for Phoenix orders and seven (7) years for all other sites from the date of final payment received by the Supplier. At the end of the period, if the Supplier desires to dispose/destroy the records, the Supplier shall contact BAE Systems and request disposition instructions, which may include authorization to destroy the records or instructions to forward the records to a BAE Systems facility.

9.0 Packaging/Material Handling/Transportation

9.1 Cleanliness and Preservation

The Supplier shall furnish parts/components, which are free of mill scale, rust, carbon deposit, weld spatter, or any surface contaminant that would be detrimental to appearance, or functional performance (i.e. would prevent proper adhesion of coatings).

Unless specified otherwise on the drawing, specification and/or the PA, bare metal surfaces, (ferrous and non-ferrous), shall be protected from corrosion during manufacturing operations, storage, and shipment. MIL-STD-2073-1 may be used as a guide for packaging and corrosion protection selection.

Prior to the application of preservation, parts shall be cleaned by any suitable method not injurious to the item and dried. Method 20, 30 and 40 may be used. Specific preservation method and application is dependent on the material being protected and criticality of the surface.

The selected corrosion prevention method shall be compatible with subsequent processing and shall not damage, degrade or cause latent defects to the part. Technical information regarding the preservative used shall be maintained on file by the Supplier and made available to BAE Systems upon request. If the specific corrosion prevention requirements are defined on drawings, specifications, and/or PA (s) those requirements will take precedence. The Supplier is prohibited from shipping parts/components on pallets constructed from lumber that has been pressure treated and/or has received metallic wood preservatives.

Any openings on components, such as electrical connectors, hydraulic/pneumatic fittings/ports, bare machined holes, and fuel ports, shall be properly plugged or capped to prevent internal contamination.

9.2 Packaging for Electrostatic Discharge Sensitive (ESDS) Items

If handling product that contains Electrostatic Discharge (ESD) sensitive devices, the Supplier shall implement and maintain an ESD handling program as required per applicable standards, such as the American National Standards Institute ANSI/ESD S20.20.

9.3 Hazardous Material Control

In order to ensure the proper storage, handling, use, and disposal of hazardous or potentially hazardous materials, every container shall be clearly marked with the following, as a minimum:

- Product name
- Manufacturer's name
- Manufacturer's part number
- Manufacturer's batch number or lot number
- Date of manufacture
- Expiration date, per manufacturer's specification
- Federal hazardous chemical label (OSHA 1910, 1200 compliant)
- BAE Systems Purchasing Agreement number
- BAE Systems item number
- Applicable DOT/UN placard/labels

In addition, all products containing Volatile Organic Compounds (VOCs), such as paint, must be labeled by the manufacturer in accordance with the applicable state and/or federal codes.

A copy of the Safety Data Sheet (SDS) shall accompany each shipment. A new SDS shall be provided when chemical formulas are changed/alterd per any regulatory requirements.

9.4 Foreign Object Debris/Damage (FOD)

The Supplier shall implement and maintain a Foreign Object Debris/Damage (FOD) prevention program during each phase of production and delivery, including appropriate housekeeping practices, identification of FOD entrapment areas, and establishment of FOD sensitive manufacturing areas as needed unless otherwise specified in the Contract. The Supplier may reference AS9146 and/or AIA/NAS NAS412 for best practices.

9.5 Cable and Harness Packaging

Unless otherwise specified in the Technical Data Package (TDP), the Supplier shall adhere to the following packaging and labeling requirements for all cable assemblies and wiring harnesses:

- Each cable assembly or wiring harness, including all associated hardware (e.g., jam nuts, O-rings, and gaskets), shall be packaged individually (one unit per bag).
- The part number, revision level, and cage code shall be clearly visible on the exterior of the bag or on an applicable label securely attached to the exterior.
- The selected bag shall be sufficient to ensure that the cable assembly or wiring harness does not violate its minimum bend radius or sustain any physical damage during handling or transit.
- When wrapping cable assemblies or wiring harnesses into bundles or rolls, the Supplier shall not use any materials or item that will require the use of tools to unwrap.

9.6 Storage and Transportation

Unless otherwise specified, the Supplier shall pack all goods in accordance with good commercial practice.

The Supplier shall determine the packaging methods and materials used to ensure products are protected against corrosion, contamination, deterioration, ESD damage, and physical damage during transit to the delivery address specified in the Contract. Specific transportation requirements may be defined in the Contract. Products shall be protected to prevent twisted and entangled leads and part-to-part contact within the shipping container.

The Supplier shall furnish parts/components, which are free of any surface contaminant that would be detrimental to appearance, or functional performance. For shelf-life items, the Supplier shall provide information regarding the recommended storage conditions, shelf life, expiration dates, date of manufacturing or pot life requirements. This information should be located on either the container and/or requested certifications.

10.0 Regulatory Compliance

10.1 REACH

Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), is a regulation of the European Union (EU), adopted to improve the protection of human health and the environment from the risks that can be posed by chemicals. For Contracts with REACH requirements for products being exported to the EU, a declaration needs to be submitted with the initial product delivery identifying any substances that are included in the Substances of Very High Concern (SVHC) list published by the European Chemicals Agency (ECHA). The components supplied to BAE Systems may be included in assemblies that are exported to the EU either directly or through US-based customers. The Supplier shall identify any substances present in the article (component) produced that are included on the SVHC list. This includes any surface treatments (plating, coating, painting, etc.) performed by sub-tier Suppliers. The Supplier shall submit a REACH Assessment with each PO, listing the identified substances found on the current SVHC list. A copy of the assessment must be included with each shipment against the PO. If available, the Chemical Abstracts Service (CAS), identification number of the SVHC substance shall be included in the REACH Assessment. If there are no SVHC substances present in or on the article, the Supplier's REACH Assessment should state "Article supplied does not contain SVHC". The REACH Assessment shall include the date of the assessment along with the PO number and the part number.

The SVHC list can be found at this link: <https://echa.europa.eu/candidate-list-table>. New substances are regularly added to the SVHC list, so the assessment against the current list is required for each PO.