

9/20/16

Supplier Quality Notice

095871 Contract Deliverable Requirements Rev 09

This is to notify you of changes to BAE Systems' CDR Manual. Please see the following changes/additions:

Legend:

- Addition
- Changed
- Deletion

001 Inspection/Test Data Reports

All of Supplier's actual inspection/test data for the specified item shall be submitted by the Supplier to BAE Systems on a suitable form. The data shall be submitted prior to shipment of the item in accordance with the Data Submission Instructions **are located in the Supplier Quality Assurance Manual (SQAM)** for this item. As applicable, the data shall include the following information:

- Part Number
- Serial Number
- Quantity of parts
- Identification of each characteristic inspected/tested.
- A ballooned drawing shall accompany the report to identify the **notes/characteristics inspected/tested**.
- Actual Inspection/test results
- Date of inspection/test
- Inspector's signature, stamp or initials (**electronic or digital signatures are acceptable**)
- Indication of First Piece (when applicable)

002 Detailed Inspection Test Procedure - Deleted

003 First Piece Inspection Report

The Supplier shall submit their First Piece Inspection Report as specified in [the SQAM](#) paragraph 8.3 prior to shipment of the product per the Data Submission Instructions ([located in the SQAM](#)) for this item.

004 First Article Test (FAT)

The Supplier shall submit a FAT plan in accordance with the Data Submission Instructions ([located in the SQAM](#)) for this item within thirty (30) days after receipt of the Purchasing Agreement. The FAT plan shall include:

- Dates for submittal of the FAT procedure
- Dates and location(s) for all testing with anticipated start/completion dates
- Date for submittal of the FAT report

The Supplier shall update/resubmit the FAT plan to cover any changes to the schedule. The procedure and test reports may be prepared using MIL-HDBK-831 as a guide and shall be approved by BAE Systems prior to start of [the](#) test. BAE Systems and its [Government](#) customer reserve the right to witness FAT testing at any point in the schedule.

Following First Article Test approval, it is the Supplier's responsibility to notify the BAE Systems Authorized Purchasing Representative to determine what testing must be repeated when any of the following occurs:

- Receipt of new Purchasing Agreement or contract
- Significant change in manufacturing process (introduction of a new manufacturing technique, etc.)
- Change in any drawing configuration, component, or sub-component parts
- Change in manufacturing location

A break in production or process in excess of twenty four (24) months, unless otherwise specified.

005 Customer Source Surveillance (CSS)

Source Surveillance, inspection, and/or test by a BAE Systems source inspection representative is required for each shipment of this item. In order to accommodate BAE Systems source inspection representatives, the Supplier shall make all facilities, equipment, inspection records, and assistance readily available.

The Supplier shall provide five (5) working days advance notification of requests for source inspection through submission of Form 092245. Requests shall be submitted in accordance with the Data Submission Instructions ([located in the SQAM](#)) specified for

this item. Unauthorized/**unapproved** shipment of product without BAE Systems source inspection may result in the shipment being rejected, a Supplier Corrective Action Request may be issued and product may be returned to the Supplier at the Supplier's expense.

If parts are returned for repair or rework, a resubmission of source is required. Parts are not to be shipped until the resubmission source has been approved and the source form is annotated with: "Repair or Rework" and lists the NCR number on the form as applicable.

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007 Welding-Combat Vehicles

- **PRIOR** to implementation of the proposed process, procedure approval is required by BAE Systems Weld Engineering
- Supplying product to BAE Systems without an approved Welding Procedure Specifications (WPS) is cause for rejection
- The WPS shall include the Procedure Qualification Record (PQR) for the process
- If the Supplier has completed the BAE Systems Weld Training, they may use the BAE Systems procedures for which they are qualified
- Use of BAE Systems WPS still requires approval prior to use for each individual part number. If the Purchasing Agreement Part Number is changed through configuration, the WPS shall be resubmitted even if nothing is changed within the weld process/procedure
- The Supplier is responsible for the performance and maintenance of all supporting documentation required to demonstrate compliance with Purchasing Agreement requirements
- **If other than the Weld Code is invoked, the supplier is responsible for creating their own weld procedures.**

Aluminum and Steel Arc Welding; Resistance Welding and Brazing

Procedure submittal requirements for aluminum, steel, resistance, and brazing weldments are addressed on the following forms/ procedures:

Form Number/ Procedure	Document Title
12472301	Ground Combat Vehicle Welding Code - Aluminum
12479550	Ground Combat Vehicle Welding Code - Steel
LAA-5128	Welding Procedure Extension Request
LAA-5130	Brazing or Braze Welding Procedure - Cover Sheet
LAA-51301	Brazing or Braze Welding Procedure
LAA-5131	Recorded Joint Welding Procedure for Resistance Welding - Cover Sheet
LAA-51311	Recorded Joint Welding Procedure for Resistance Welding
LAA-5272	Welding and Brazing Submittal Requirements and Instructions

Forms are available from a BAE Systems Authorized Purchasing Representative.

Aluminum Welding Code 12472301 replaces these specifications (reference page 4, Table P.1):

- MIL-STD-1946
- MIL-STD-372
- MIL-W-45205
- MIL-W-45206

Steel Welding Code 12479550 replaces these specifications (reference page 4, Table P.1):

- MIL-STD-1261
- MIL-STD-1941
- MIL-STD-1185
- MIL-W-46086

009 Soldering

- The Supplier shall submit soldering plans in accordance with the Data Submission Instructions (located in the SQAM) for this item within (30) days of receipt of the Purchasing Agreement
- Procedures shall be submitted for all subcontracted soldering operations
- BAE Systems reserves the right to disapprove the plan or to require changes in the plan, which it deems necessary to ensure the product conforms to IPC J-STD-001, Class 3 and Purchasing Agreement requirements
- A new Purchasing Agreement number with the same prime contract number as previously approved does not require extension of approval
- The plan shall include, as a minimum, detailed procedures to be followed and utilized throughout all areas of performance

- The Supplier must have approval from 025 BAE Systems prior to beginning production. This approval will be in the form of a letter notifying you that your facility has satisfactorily completed a Soldering Audit. The approved program must be utilized in the performance of Purchasing Agreement
- Any and all records required by the approved program may be requested at any time and must be immediately available for review
- BAE Systems must approve changes to this program following approval

010 Solderability

Material supplied shall meet the solderability requirements of the product fabrication specification. When no solderability test is specified, the test shall be performed in accordance with MIL-STD-202, Method 208.

Note: One hour steam aging is required for wire.

For each shipment The Supplier shall provide a written certification stating that the components provided were tested and meet the applicable solderability requirements as stated above. Certification shall be submitted in accordance with the Data Submission Instructions ([located in the SQAM](#)) for this item.

011 Printed Wiring Boards (PWB)

The Supplier shall provide for each shipment a written certificate stating that the boards were fabricated to the relevant specifications identified within the TDP. The certification shall be provided in accordance with the Data Submission Instructions ([located in the SQAM](#)) for this item. Test coupons and microsections must be maintained for a period of two (2) years and available for examination by BAE Systems.

013 Nondestructive Examination Procedures

When the Purchase Order specifies Nondestructive Examination such as radiography, magnetic particle, liquid penetrant, or ultrasonic inspections, the Supplier shall submit the procedure to BAE Systems in accordance with the Data Submission Instructions ([located in the SQAM](#)) for this part for approval. The procedure shall be submitted within thirty (30) days after receipt of the Purchasing Agreement. If the submittal is requested during performance of the Purchasing Agreement, the Supplier shall submit the procedure within three (3) days of receiving the request.

All changes to the approved procedure shall require re-submittal and approval. The revised procedure shall not be implemented until written approval is received from BAE Systems.

014 Nondestructive Examination Inspection Report

The Supplier shall furnish a certified test report stating that Nondestructive Examination(s) required per the TDP have been performed in accordance with an approved test procedure as required by the referenced specification and that the material is acceptable. The certification shall also include:

- Type of test and coverage
- Applicable procedure specification (title, number and revision)
- Applicable acceptance criteria (title, number and revision)
- Name and address of the company that actually performed the testing
- Certificate of process compliance

A test plan shall be developed detailing the Nondestructive Examinations parameters to be used accordance with the applicable specification and shall be made available to BAE Systems upon request.

015 Control Tests

The Supplier shall perform Control Tests at the frequency defined by the specification/QAP. The Supplier is responsible for determining the test schedule based on the production and delivery schedule for the Purchasing Agreement. The Supplier shall submit, in accordance with the Data Submission Instructions (located in the SQAM) for this item, a control test procedure within thirty (30) days after receipt of the Purchasing Agreement for approval by BAE Systems. The Supplier shall notify the BAE Systems Authorized Purchasing Representative of the projected test schedule and any changes as they occur. If any failures occur, either through defect of the test equipment or of the test sample itself, the Supplier shall immediately notify the BAE Systems Authorized Purchasing Representative for further instructions prior to continuance of testing.

Following the completion of testing, a test report shall be submitted in accordance with the Data Submission Instructions (located in the SQAM) for this item for approval.

MIL-HDBK-831 should be used as a guide in developing the test report format. As a minimum, the test report shall include:

- BAE Systems Part Number
- BAE Systems Purchasing Agreement Number
- Prime Contract Number (this is specified on the Purchasing Agreement)
- Applicable drawings/specification and revision level
- Type of test (i.e., Group "C," Group "D," etc.)
- Tests performed and results
- Test completion date

- Sample size
- Sample identification, if applicable
- Production interval (or Purchasing Agreement line number)
- Printed name, signature, and title of Supplier's representative
- Report date
- Any additional data or information required to show full compliance to the control test requirements

016 Plating

The Supplier shall provide written certification documenting that the plating was performed in accordance with drawing and Purchasing Agreement requirements. The facility actually performing the plating shall prepare the certification. When baking for hydrogen embrittlement relief is required, the certification shall define the required bake time at temperature and contain a statement that the items were baked at the required temperature for the required minimum time specified in accordance with the required revision level of the specification.

Certification **MUST** include as a minimum:

- Part number
- Purchasing Agreement number
- Plating process specification used
- Baking temperature
- Baking time
- A statement that the baking operation was started within 3 hours of plating completion
- Complete lot traceability to all certifications related to the BAE Systems Purchasing Agreement
- Printed name, signature, and title of Supplier's representative Signature/title of the Supplier's representative
- Report date

017 Paint Certification

The Supplier shall provide a copy of the written certification documenting that painting was performed in accordance with all drawing, specification, and Purchasing Agreement requirements. Certification shall be submitted in accordance with the Data Submission Instructions (located in the SQAM) for this item. The facility actually performing the painting shall prepare the certification, which shall include:

- Name and address of the finisher
- Part number
- Purchasing Agreement number

- List of specifications used in the processing of the paint
- 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 Signature/title of the Supplier's representative
- Certification date

018 Physical and Chemical Test Reports

With each shipment, The Supplier shall provide a material certification including all actual chemical, mechanical, and/or physical test results pertaining to the material shipped under this Purchasing Agreement with traceability to the original mill/manufacturer, heat lot, and country of origin, as applicable. This data shall be provided to BAE Systems in accordance with the Data Submission Instructions (located in the SQAM) for this part.

019 Test Samples – Tensile Testing

With each shipment, The Supplier shall provide a set of two samples (un-machined test bars/sheet stock) suitable for the mechanical testing as required by Purchasing Agreement or referenced specification. Both shall be made from the same melt and heat treated in the same lot as the supplied parts. Identify by paint marking.

020 Heat Treating

With each shipment, The Supplier shall provide a written certification that the heat treatment was performed in accordance with drawing and Purchasing Agreement requirements.

021 Mercury

With each shipment, The Supplier shall provide certification that the material shipped under this Purchasing Agreement does not contain functional mercury in any form and that no mercury-bearing instruments and/or equipment that might cause contamination have been used in the manufacture, fabrication, assembly, or testing of any material shipped under this Purchasing Agreement. This requirement must be included in all sub-tier Purchase orders however certification is only required from the BAE Systems tier 1 supplier.

023 Age Control

Age-sensitive items include, but are not limited to, paint, adhesives, and rubber products. The following requirements apply to all items with this requirement:

- Age-sensitive items shall be delivered as directed by requirement assigned from below.
 - a) With a minimum of 50% of the shelf life remaining or
 - b) With a minimum of 75% of the shelf life remaining.
 - c) With a minimum of 85% of the shelf life remaining.
 - d) Other as directed by contract.

- Age-sensitive items shall be delivered with a minimum of 50% of the shelf life remaining or as directed by contract

- All age-sensitive items and their respective shipping containers shall be permanently marked with the cure/manufacture and the expiration dates in addition to any other marking requirements
- For parts delivered on a spool or reel, the marking must be applied to a visible location on the outside of the spool or reel
- The cure/manufacture and expiration dates shall be in either Quarter/Year format (for product with a shelf life in excess of three (3) years) or Month/Year format (for product with a shelf life of three (3) years or less). The method of marking and the marking height shall be in the manufacturer's format, however the marking shall not affect the part's form, fit, or function

Example: CURE 4Q/2010
 EXP 4Q/2016

- In addition to the requirements of SQAM paragraph 8.5, Certificates of Conformance for age sensitive items shall include:
 - Lot traceability by run, batch, lot, or date of manufacture
 - Shelf life expiration date (as required by specification)
 - Storage conditions to achieve shelf life, if not stated on the material package

025 Special Packaging

Material is to be packaged in accordance with the packaging instructions provided in the body of or attached to this Purchasing Agreement. A statement that the packaging is in accordance with the specified requirements will be included in the Certificate of Compliance (reference SQAM paragraph 8.5). This data shall be provided to BAE Systems in accordance with the Data Submission Instructions (located in the SQAM) for this part.

026 Quality Requirements

The Supplier **shall** maintain on file, and provide to BAE Systems upon request, objective quality evidence demonstrating compliance to all of the requirements of this Purchasing Agreement. When documentation is requested by BAE Systems, the documentation shall be provided in a commonly readable electronic format and **shall** be provided to BAE Systems in accordance with the Data Submission Instructions (located in the SQAM) for this part.

027 Certificate of Compliance

The Supplier shall provide with each shipment a copy of their Certificate of Compliance as defined by paragraph 8.5 of the SQAM. Copies shall be delivered as specified by the Data Submission Instructions (located in the SQAM) for this item.

032 Ballistic Requirements-Transparent Armor

A ballistic first article test shall be performed and accepted prior to any production of transparent armor. All drawing and specification requirements shall be met as required for the ballistic FAT and ballistic lot testing.

BAE Systems source inspection shall be requested prior to shipping the samples for ballistic testing.

In addition to the marking requirements, specified in the PO and on the drawings, ALL test specimens, shipping containers and associated documents shall be clearly marked "First Article Sample" or "Lot Sample."

All Ballistic test documentation shall be provided in accordance with the Data Submission Instructions (located in the SQAM) for this item.

Following Ballistic First Article approval, the supplier shall submit lot samples for testing per the schedule in the ballistic test specification.

034 Ballistic Requirements- Metal and Composite Materials

FIRING RECORDS (Plate and Composite):

The Supplier shall provide a copy of the:

- Physical and Chemical Test Reports

- Government Ballistic Test Certification, including firing number for each heat/lot of ballistic material. Results shall be submitted in accordance with the Data Submission Instructions (located in the SQAM) for this item.

FIRING RECORDS (CASTING):

- For armor castings and extrusions, the Supplier shall maintain a listing of Government approved firing numbers for all material recipes supplied to BAE Systems. Results shall be submitted in accordance with the Data Submission Instructions (located in the SQAM) for this item.

FIRING RECORDS (ALUMINIM FORGINGS):

- Require ballistic test for each log, including longitudinal and transverse tensile tests per MIL-DTL-45225. Results shall be submitted in accordance with the Data Submission Instructions (located in the SQAM) for this item.

MIL-DTL-46100 & MIL-DTL-12560 Class I STEEL ARMOR THERMALLY CUT EDGES:

Shall meet the following:

PROCEDURE:

- Supplier shall have a written and controlled Procedure for cutting steel armor.
- The Procedure shall be a range of cutting parameters (similar to a Weld Procedure) including:
 - Thickness range, energy level (laser wattage, plasma parameters, etc.), and travel speed.
 - Samples shall be made from each range to qualify the Procedure and test for:
 - Heat affected zone (hardness traverse)
 - Edge cracking (Magnetic Particle or Liquid Penetrant Inspection)

PROCESS INSPECTION:

- Visual Inspection Per ASNT Level I (minimum) Frequency = 100%
- Non-destructive test frequency (based on 12369234)
- ANSI/ASQ Z 1.4 Inspection Level II, AQL 2.5%
 - i.e. For Lot = 50, Inspection Level D = 5 samples inspected
 - If rejectable indication is found, institute 100% inspection of subject lot.
- Inspection SHALL be performed in accordance with ASTM E1417 (Liquid Penetrant) or ASTM E1444 (Magnetic Particle).
 - Inspection Personnel shall be a minimum of ASNT Level I or II.

PROCESS APPROVAL:

- Supplier shall have the Procedure Qualification for Thermal Cutting of Steel Armor Form number 089475 completed and approved by BAE Systems Materials Engineering prior to shipment of product. This **should shall also** include the Non-Destructive Inspection documentation.
- The form shall be submitted per Data Submission instructions (**located in the SQAM**).

041 Critical Safety Item (CSI)

The Supplier shall provide documentation for all Critical Safety Items (CSI), Hardness Critical Items (HCI), or Observable Critical Items (OCI) identified for this item by the TDP. **Sample size for this inspection shall be 100% for the identified characteristic(s)**. Actual results, including an authorized signature and date of acceptance, traceable to a specific shipment shall be recorded and provided prior to shipment. Submission of documentation shall be made in accordance with the Data Submission Instructions (**located in the SQAM**) for this item.

042 Commercial Off the Shelf (COTS) Parts - Deleted

044 Packaging Instructions for Hardware Kits

B. Marking (Only this paragraph)

Each package used in this kit, shall identify the contents with the applicable part number, nomenclature, quantity, and kit number. For unit packaging **see Label Example A**, and **for** consolidation packages see Label Example **B A**. The markings for each pack can be printed on a label or applied directly on to the bag or carton. If a label is used it shall meet the requirements as outlined below, and if a label is used to identify a bag, the label may be heat-sealed in the bag along with the item(s). If the label is placed in the bag, the label identification must be able to be read from the exterior of the package. If a Packing List is enclosed in the package, the package is to be marked with "Packing List Enclosed", and is to be located in the same area and adjacent to where the kit identification is applied.

047 Data submission Instructions - Deleted

055 AQL 1.0

This item requires inspection at AQL 1.0 to the C=0 Sampling Plan **defined in SQAM paragraph 8.3** for all major drawing characteristics. Major drawing characteristics are dimensions with a total tolerance of ≤ 0.10 or where the characteristic is identified as a “major” by a drawing note or SQAP/QAP/QAR

057 PPAP-Level 2

The Supplier shall complete a PPAP in accordance with Level 2 of the Production Part Approval Process (PPAP) manual and shall submit the following to BAE Systems for approval:

Design Record
Engineering Change Documents (if applicable)
Dimensional Results with ballooned drawing (all characteristics, including drawing notes, numbered)
Photograph of the part marking
Material, Performance Test Results
Qualified Laboratory Documentation
Appearance Approval Report (if applicable)
Sample Product
Part Submission Warrant (PSW)

All other requirements of the PPAP shall be completed, retained on file, and made available to BAE Systems upon request.

The Supplier shall not ship product to BAE Systems prior to receipt of a signed/approved PSW. Product shipped in advance of PPAP approval shall be subject to rejection **and may be returned at the supplier's expense.**

Process or product changes require PPAP resubmission. Notification to BAE Systems prior to changes is essential as additional audits/**reviews or supplier identification** may be required prior to resubmission; such changes are to be communicated to your BAE Systems Procurement **or Quality contact Representative** via the **Product/Process Change Request (Form 131D) Vendor Information Request Form (Form 097908)**. Process or product changes are defined as changes in the processing of the product that could affect its ability to meet design, durability, and reliability requirements, including:

- Use of a process or material other than those which were previously approved,
- Production from new or modified tools (except perishable tools), dies, molds, patterns, etc., including additional or replacement tooling,
- Production following any refurbishment or rearrangement of existing tooling or equipment,
- Production from tooling and equipment transferred from another manufacturing site,
- Change of a supplier for parts or services (e.g. heat treating, plating, welding),

- Break in production or product produced after tooling has been inactive **for volume production** for 24 months or more,

058 PPAP-Level 3

The Supplier shall complete a PPAP in accordance with Level 3 of the Production Part Approval Process (PPAP) manual and shall submit the following to BAE Systems for approval:

Design Record
Engineering Change Documents (if applicable)
Customer Engineering Approval (if required)
Design FEMA
Process Flow Diagrams
Process FEMA
Control Plan
Measurement System Analysis Studies
Dimensional Results with ballooned drawing (all characteristics, including drawing notes, numbered)
Photograph of the part marking
Material, Performance Test Results
Initial Process Studies
Qualified Laboratory Documentation
Appearance Approval Report (if applicable)
Sample Product
Records of Compliance
Part Submission Warrant (PSW)

All other requirements of the PPAP shall be completed, retained on file, and made available to BAE Systems upon request.

The Supplier shall not ship product to BAE Systems prior to receipt of a signed/approved PSW. Product shipped in advance of PPAP approval shall be subject to rejection and may be returned at the supplier's expense.

Process or product changes require PPAP resubmission. Notification to BAE Systems prior to changes is essential as additional audits/reviews may be required prior to resubmission; such changes are to be communicated to your BAE Systems Procurement Representative via the Vendor Information Request Form (Form 097908). Process or product changes are defined as changes in the processing of the product that could affect its ability to meet design, durability, and reliability requirements, including:

- Use of a process or material other than those which were previously approved,
- Production from new or modified tools (except perishable tools), dies, molds, patterns, etc., including additional or replacement tooling,

- Production following any refurbishment or rearrangement of existing tooling or equipment,
- Production from tooling and equipment transferred from another manufacturing site,
- Change of a supplier for parts or services (e.g. heat treating, plating, welding), Any change in material, including not only raw material but also chemical compounds or processes (i.e. paints, adhesives, sealers, lubricants, plating, heat treat processes, etc.) which become part of the finished product; this includes changing to an engineering approved alternative material or any change in the sequence of operations,
- Upon request of BAE Systems' Purchasing **er Quality r**Representative.

059 PPAP-Level 4-Predefined Requirements

The Supplier shall complete a PPAP in accordance with Level 4 of the Production Part Approval Process (PPAP) manual and shall submit the following to BAE Systems for approval:

Dimensional Results with ballooned drawing (all characteristics, including drawing notes, numbered)
 Photograph of the part marking
 Process Certifications
 Material, Performance Test Results
 Part Submission Warrant (PSW)

All other requirements of the PPAP are waived for this order and do not need to be completed.

The Supplier shall not ship product to BAE Systems prior to receipt of a signed/approved PSW. Product shipped in advance of PPAP approval shall be subject to rejection **and may be returned at the supplier's expense.**

Process or product changes require PPAP resubmission. Notification to BAE Systems prior to changes is essential as additional audits/**reviews or supplier identification** may be required prior to resubmission; such changes are to be communicated to your BAE Systems Procurement **or Quality contact Representative** via the **Product/Process Change Request (Form 131D) Vendor Information Request Form (Form 097908).**

Process or product changes are defined as changes in the processing of the product that could affect its ability to meet design, durability, and reliability requirements, including:

- Use of a process or material other than those which were previously approved,
- Production from new or modified tools (except perishable tools), dies, molds, patterns, etc., including additional or replacement tooling,
- Production following any refurbishment or rearrangement of existing tooling or equipment,
- Production from tooling and equipment transferred from another manufacturing site,
- Change of a supplier for parts or services (e.g. heat treating, plating, welding),

- Break in production or product produced after tooling has been inactive **for volume production** for 24 months or more,
- Any change in material, including not only raw material but also chemical compounds or processes (i.e. paints, adhesives, sealers, lubricants, plating, heat treat processes, etc.) which become part of the finished product; this includes changing to an engineering approved alternative material or any change in the sequence of operations,
- Upon request of BAE Systems' Purchasing **er Quality r** Representative.

060 PPAP-Level 4-Unique Requirements

The Supplier shall complete a PPAP in accordance with Level 4 of the Production Part Approval Process (PPAP) manual and shall submit requirements as specified in the PPAP Requirements Checklist included as part of the Purchasing Agreement. All other requirements of the PPAP shall be completed, retained on file, and made available to BAE Systems upon request. Inspection data shall be accompanied by a ballooned drawing (all characteristics, including drawing notes, numbered) and a photograph of the part marking.

The Supplier shall not ship product to BAE Systems prior to receipt of a signed/approved PSW. Product shipped in advance of PPAP approval shall be subject to rejection **and may be returned at the supplier's expense.**

Process or product changes require PPAP resubmission. Notification to BAE Systems prior to changes is essential as additional audits/**reviews or supplier identif** may be required prior to resubmission; such changes are to be communicated to your BAE Systems Procurement **or Quality contact Representative** via the **Product/Process Change Request (Form 131D) Vendor Information Request Form (Form 097908)**. Process or product changes are defined as changes in the processing of the product that could affect its ability to meet design, durability, and reliability requirements, including:

- Use of a process or material other than those which were previously approved,
- Production from new or modified tools (except perishable tools), dies, molds, patterns, etc., including additional or replacement tooling,
- Production following any refurbishment or rearrangement of existing tooling or equipment,
- Production from tooling and equipment transferred from another manufacturing site,
- Change of a supplier for parts or services (e.g. heat treating, plating, welding),
- Break in production or product produced after tooling has been inactive **for volume production** for 24 months or more,
- Any change in material, including not only raw material but also chemical compounds or processes (i.e. paints, adhesives, sealers, lubricants, plating, heat treat processes, etc.) which become part of the finished product; this includes changing to an engineering approved alternative material or any change in the sequence of operations,
- Upon request of BAE Systems' Purchasing **er Quality r** Representative.

062 CARC Paint Marking - Deleted

081 Counterfeit Electronic Parts Prevention Plan - Deleted

If you have any questions, please contact your site specific Supplier Quality Engineer.

Regards,

Thomas Frazho
Supplier Quality Manager