CHECKLIST INSTRUCTIONS:

It is the supplier's responsibility to provide all documentation required and/or any relevant requests made by the Source Inspector to validate product compliance.
It is the responsibility of the Source Inspector to validate the product being presented is 100% compliant.

Each item within the Quality Elements (A thru E) must be accounted for by the Source Inspector as appliable to the product. This accounts for EACH deliverable item being presented for review and acceptance, unless sampling is authorized per program/customer procedural criteria.
For items or elements that do not apply to the product being inspected, leave the check box blank and annotate with an 'N/A' aside the line item.
Use the comments field to post any notable information for reference.

This form, when completed will need to accompany the documents being sent to Qarbon Aerospace with the delivery and will be placed on file with the appropriate CD-4020.

In the event that a discrepancy(s) is identified at the time of performing source inspection that cannot be immediately rectified, the discrepancy(s) must be documented on Qarbon's Supplier Quality Surveillance Report (SQSR form QA-FRM-00.PO.F011) and distributed accordingly.
The discrepancies must be corrected prior to final acceptance.

CHECK LIST QUALITY ELEMENTS:

Section A: Requirements / Configuration Verification
These requirements are to assure product is conforming to current engineering, applicable specifications and Special Processes have been performed by approved sources.

Section B: Product Identification and Labeling Requirements
These requirements are to assure product identification is conforming to current engineering and all applicable specifications. This includes any product 'critical' designation and serialization as required, labeling, informational or instructional decals/placards. NOTE: Assure the part marking is per engineering part listings notes (example is location) and identified specification. Program variables have different requirements.

Section C: Product Evaluation
These requirements are to assure visual and representative physical inspections of the product meet the current engineering and free of any noticeable defects.

Section D: PS20722/Q033 Compliance (T-7A Trainer Program Only as applicable)
These requirements are intended to assure product conformity to current revision levels of procedure PS20722 'Hole masking for enhanced proceed controlled metallic parts' and Boeing's Term and Condition Q033 'BDS BAC5114 NC programming and machine controls and specifications – contractual and process control requirements.'

Section E: Required Documentation
These requirements assure all documentation is complete, compliant and available for sourcing the component..
The requirement for the Critical Component designated documentation is defined in the noted specifications, S326-00112/S326-00113 for T-7A program and B00NA1225JP001/367-1200-1495 for the Triton Program (AKA, Global Hawk or Hale program),
(1). **MUST** be marked according to procedures (part number, critical designation and serial number when specified).
(2). Validate shipping package contains the properly marked documents noted in this element of requirements.

Check (☐) for each Quality Element validated.
If Not Applicable, leave blank and annotate in Comments on right side of page.

Part/Assembly Number_____ Date_____ Quantity Presented_____Supplier_____	Source Inspector_____

Quality Element	Comments
A. Requirements / Configuration Verification ☐ Validate current FAI in Net Inspect (Note: Current is defined as an approved FAI AND MUST match the engineering revision level of product being presented for Source. This may include partial FAI's) ☐ Validate engineering revision levels presented against current engineering in TIPQA Note: If there is a discrepancy between revisions levels in TIPQA and the product, contact Qarbon Quality (SQE) for direction (Revision incorporation points may warrant unique circumstances) ☐ SSP Requirements • Verify revision level of SSP is current revision in TIPQA • Verify SSP specific work instructions are incorporated into the product configuration Note: If there is a discrepancy between revisions levels in TIPQA and the product, contact Qarbon Quality (SQE) for direction (Revision incorporation points may warrant unique circumstances) ☐ Verify that CMS/CMM report/data for each deliverable component is available as part of 100% inspection Objective Evidence ☐ Verify objective evidence that all dimensional checks not captured on CMS reports have been performed and are recorded (as an example, reference Qarbon's QA-MAN-0002-01, sec 3.2.5.) ☐ Nonconformance(s) properly noted ☐ Verify the product is listed on Qarbon's Purchase Order ☐ Verify if any Supplier Information Request(s) (SIR) accompany the build package ☐ Validate that all 'Special Processes' performed (listed on the CD-4020) have been accomplished utilizing approved sources listed on the product customers Approved Processors Listing. **Critical Designated Product**. Is the deliverable a Critical Designated Component ☐ Yes ☐ No *******OR******* **Does the deliverable contain a Critical Designated Component(s)** ☐ Yes ☐ No **If yes, check type:** ☐ Durability Critical ☐ Fracture Critical ☐ Fracture Critical Traceable ☐ Fracture Critical Category I ☐ Fracture Critical Category II **NOTE: if Critical Designated, Section E, items (1) and (2) must be validated**	

B. Product Identification and Labeling Requirements

- ☐ Validate the markings are placed on the product per engineering when applicable
- ☐ Part Number and Revision Level
- ☐ Work Order Number, Date of Mfg.
- ☐ CAGE Code, Supplier Code
- ☐ Labeling and marking per engineering (i.e. tube directional flows, instruction placards)
- ☐ Acceptance Stamps
- ☐ Durability Critical, Fracture Critical, Fracture Critical Traceable marking (BDS Specification S326-00112)
- ☐ Fracture Critical Traceable Serialization (BDS Specification S326-00113)
- ☐ Fracture Critical Category I Product Serialization (NG Specification B00NA1225JP001)
- ☐ Non-conformance number(s) marked on part or component as applicable
- ☐ Validate any part marking coatings are applied when specified

C. Product Evaluation

- ☐ Product fabrication, process, surface finish, assembly visual compliance (Mill Defects, Sealant, Applicable Hardware, Dry Film Lube, Cad Plate, Paint, Gaps, component installations, fastener tail compliance)
- ☐ Part Damage (i.e., Scratches, Dents, Dings, Nicks, & Burns)
- ☐ Zero FOD
- ☐ Validate actual product characteristic results against Supplier's Inspection Plan and/or associated model derived drawings (as an example reference Qarbon's QA-MAN-0002-01, sec 3.2.5.)

Including but not limited to:

- Electrical Bond areas
- Hole diameters
- Thicknesses
- Radii
- Post processing features
- Fastener installation
- Sealant Requirement

- ☐ Verify surface coatings applied meet engineering/specification requirement(s):
  - Surface Preparation in advance of adhesive bonding
  - Alodine/Anodize/Solgel
  - Primer applications
  - Top coating applications
  - Dry film lube
  - Other application requirements specified within the engineering
- ☐ Validate completion of any post processing characteristics are completed
- ☐ Inspection Acceptance Stamps (Tool / Paper) applied as required

D. PS20722/Q033 Compliance (T-7A Trainer Program only as applicable)

- ☐ Verify the current specification/T & C documents are being utilized
- ☐ Validate the processor(s) used is listed on the specification QPL
- ☐ Verify approved Plug mapping/Illustrations have been flowed down
- ☐ Validate acceptable masking photos have been taken
- ☐ Validate objective evidence the photos have approvals prior to performing processing
- ☐ Verify the plugs in the photos are correct (to the maps/illustrations) and acceptable

E. Required Documentation

☐ Current PS20722 mapping/graphic (if section D is applicable)
☐ Proper photo(s) of PS20722 masking/plugging (if section D is required)
☐ Supplier's inspection plan and associated model derived drawings
☐ Purchase Order's / Contracts
☐ Engineering Drawings
☐ Configuration Control (copy of Traveler/Shop Traveler)
☐ Evidence of final inspection by supplier
☐ Accepted FAI Record on file in Net Inspect (Record the FAI number(s))
☐ Nonconformances
☐ Validate parts to packing list/shipping document (if available at time of inspection
☐ Certificate of Conformance(s) (Materials, Hardware Special Processing etc.)
☐ CMS/CMM report/data as part of 100% inspection Objective Evidence validation
☐ Completed CD-4020
☐ Completed CD-4020B if an open non-conformance is travelling to Qarbon for closure

(1) Critical Designated Component Documentation - Required Marking Verification

☐ Fracture Critical Traceable, Fracture Critical, Durability Critical Document Marking Verification – S326-00112/S326-00113 or B00NA1225JP001/367-1200-1495 (see list of required docs below)

- Purchase Orders
- Material Certifications (raw mat'l distributor, mill, forging supplier, heat treat certs, NDT/test certs as applicable)
- Processing Certifications– **includes D1-4426 NDI acceptance acknowledgement**
- Detail/Assembly Part Manufacturing Planning
- Nonconformance Documents
- Shipping Documents

(2) The below properly marked documents MUST be included within the deliverable document package for FRACTURE CRITICAL TRACEABLE AND FRACTURE CRITICAL CATEGORY I & II Components:

Note: Source inspection validation of this element is to verify the acceptable documents are available and are part of the shipping documentation package when accepting (stamping) the suppliers shipping/packing list.

☐ Material Certifications (raw mat'l distributor, mill, forging supplier, heat treat certs, NDT/test certs as applicable)
☐ Processing Certifications-**including D1-4426 NDI acceptance acknowledgement**
☐ Nonconformance Documents
☐ Shipping Documents

ACCEPTANCE INSPECTION STAMP and DATE