INSTRUCTIONS:

It is the supplier's responsibility to provide all documentation required and 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.
For items that do not apply, leave the check box blank and annotate with an 'N/A' aside the line item. Use the comments field to post any notable information such as the First Article number, engineering and SSP revision levels, work orders.

This form, when complete 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. Stamp and date the last page to acknowledge its completion.

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

Depending on the Program being inspected, specifics apply to varying elements throughout the checklist. Qarbon's Supplier Quality Assurance Manual QA-MAN-0002 and Program Specific Requirements Supplement QA-MAN-0002-01 outline those program specifics as well as referencing additional documents that may affect the inspection of the presented component. (as an example, the T-7A Program includes a Boeing Term and Condition Q033 that addresses the BAC5114, PS20722 procedural requirements that directly affect the product).

QUALITY ELEMENTS:

Section A: Requirements / Configuration Verification
These requirements are to assure product has approved First Article(s) on file, is conforming to current engineering, Qarbon's Supplier Specification Plan (SSP) specific instructions, applicable specifications and Special Processes have been performed by approved sources and the component(s) presented have been inspected to the programs' quality requirements outlined within Qarbon's Quality Assurance Manuals.

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 applied per engineering and identified specifications, including format. 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 are 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 procedure PS20722 'Hole masking for enhanced process 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, B00NA1225JP001/367-1200-1495 for the Triton Program (AKA, Global Hawk or Hale program) and Bell Helicopter's SQRM-001 Appendix VI for the Bell B525 Program
(1). Documents **MUST** be marked according to procedures

(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_____ Shipping Document Number_____Launch Number_____	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 Note: If there is a discrepancy between revision levels in TIPQA and the product, contact Qarbon Quality (SQE) for direction
- Verify SSP specific work instructions are incorporated into the product configuration

☐ Verify that CMS/CMM report/data for **each detail part when applicable** is available and acceptable as part of 100% inspection Objective Evidence. All subject parts require their own report, INCLUDING ALL DETAILS WITHIN AN ASSEMBLY. No 'sampling' is allowed. (refer to Boeing's Term and Condition Q033 for example). See Qarbon's procedure QA-PRO-00.21.0100 for report formatting
☐ 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:
☐ Controlled Item (Bell Quality Requirements Manual SQRM-001 Appendix VI)
☐ Durability Critical (Boeing Procedure S326-00112)
☐ Fracture Critical (Boeing Procedure S326-00112)
☐ Fracture Critical Traceable (Boeing Procedures S326-00112 & S326-00113)
☐ Fracture Critical Category I (Northrop Grumman B00NA1225JP001/367-1200-1495)
☐ Fracture Critical Category II (Northrop Grumman B00NA1225JP001/367-1200-1495)

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 (S326-00112)
☐ Fracture Critical Traceable Serialization (S326-00113)
☐ Fracture Critical Category I Product Serialization (B00NA1225JP001)
☐ Controlled Item (SQRM-001 Appendix VI)
☐ 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) ☐ **Hemstitching** – Review product for evidence of Hemstitching as defined in specification BAC5300-1 and BAC5300-1 Departure 1-2, Rev. B. **NOTE:** *If the product exhibits Hemstitching,* ***pre-surface coating measurements*** *per specification must be performed, and the condition is documented acceptable within the requirements. This documentation must accompany the product delivery document package.* ☐ Part Damage (i.e., Scratches, Dents, Dings, Nicks, & Burns) ☐ Zero FOD ☐ Review select 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 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 ☐ Verify completion of any required post processing characteristics ☐ 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
☐ 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
☐ 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 Documentation - Required Traceable Labeling Verification

☐ Fracture Critical Traceable, Fracture Critical, Durability Critical, Controlled Item Document Marking Verification – (T-7A) S326-00112/S326-00113, (Triton, Global Hawk) B00NA1225JP001/367-1200-1495, (Bell) SQRM-001 Appendix VI (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

REVISION HISTORY		
DATE	REVISION	UPDATES
January 2025	Initial Release	
December 2025	Revision A	Added shipper/packing number line item. Added launch number line item. Added Bell B525 critical part elements. Updated the CMM/CMS requirements criteria. Referenced program specifications to applicable check list requirements.
August 2026	Revision B	Added a specific checklist item into section C addressing the acceptance criteria and document requirements for products that exhibit Hemstitching.