



## Commercial Airplanes

# Supplier Introduction to Boeing QMS General Overview - UKAD

### **Presenter**

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Date Nov./5/2020

# BQMS Overview – Part I

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- **Introduction to Boeing & BQMS Requirements**

- Boeing Supplier Quality (SQ)
- Boeing SQ Key Contacts
- Boeing Contractual Documents
- BQMS Approval Process
- Boeing Requirements
- Special Processes
- Digital Product Definition (DPD) and Tooling
- Sub-tier Supplier Approval
- Boeing Source Inspection
- Concession / MRB
- Supplier Quality Surveillance (SQS)
- Corrective Actions
- Quality Requirement Review (QRR)
- **Advanced Product Quality Planning / Production Part Approval Process (APQP/PPAP)**

# BQMS Overview – Part II

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- **Introduction to Systems and Tools**
  - Boeing Web Site
  - Boeing Supplier Portal (BSP)
  - Supplier Product Data Management (SPDM)
  - Customer Supplier Data Transmittal (CSDT)
  - Engineering Information Delivery (EID)
  - Product Standards Data System (PSDS)
  - Qualification Information Management System (QIMS)
  - Enterprise Supplier Performance Measurement (ESPM)
  - Scores
  - Supplier Quality Information System (SQIS)
  - ENOVIA
  - Velocity

# Boeing SQ Transformation

- As part of the BCA Quality Is Built In, SQ is going through a Transformation exercise



# Boeing Supplier Quality (SQ) – Mission & Vision

## Supplier Quality Vision

### Build in Quality at suppliers

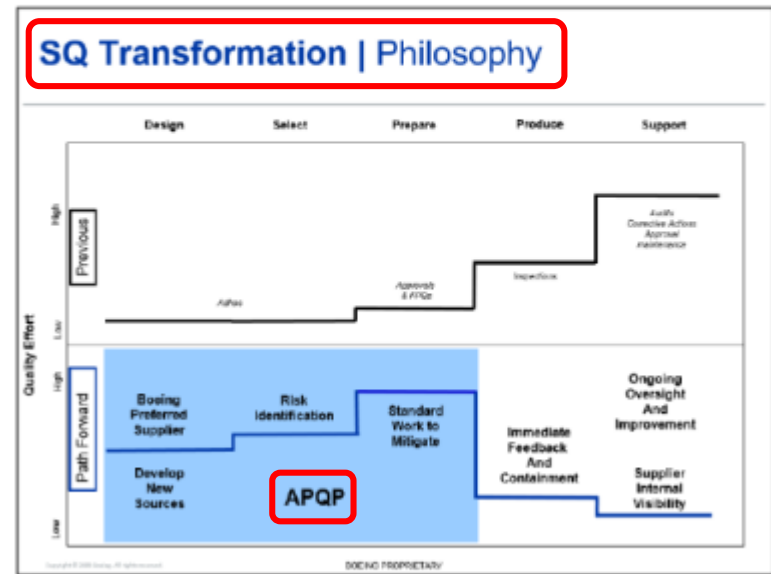
- SQ upfront involvement to prevent defects
- Robust processes to ensure “necessary conditions”

### Hold suppliers accountable

- Immediate containment
- Corrective action

### Improve supplier health

- Early warning system
- Leverage quality to enable cost reductions



# Boeing SQ – Key Contacts

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- **UKAD Identification**

- Business Partner Number: BE10409217 (same as BEST code less BE)
- BEST Code: BE10409217
- Supplier Site Code: 810405

- **Boeing Key Contacts**

- SC Contract PA: Contract PA Name
- SC Operation PA: Operation PA Name
- SC Field Operations: SC Field Op Name
- Engineering: Engineer Name
- SQ Quality System: System SQR Name
- SQ Special Processes: SP SQR Name
- SQ Digital Product Definition: DPD SQR Name
- SQ Tooling: Tooling SQR Name

# Boeing Contractual Documents

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- **Old Contracts**
  - General Terms Agreement - GTA # .....
  - Special Business Provisions – SBP # .....
- **New Contracts**
  - BCA Supply Chain Agreement – BSCA # .....
- **ERP Contract # .....**
- **Purchase Orders # .....**

# BQMS approval process

- Requirements defined in D6-82479 (3 active appendices + 2 addenda)
- Appendix A requires AS9100C / AS9100D certification
- Approval granted on the basis of a valid and current AS9100D certificate
- Completed by CB Audit Report Review (ARR)



The image shows the cover page of a Boeing document titled "Boeing Quality Management System Requirements for Suppliers". At the top left is the Boeing logo. To its right is the text "CAGE Code 81205". The title "Boeing Quality Management System Requirements for Suppliers" is centered. Below the title, there are three columns of information: "DOCUMENT NUMBER: D6-82479", "RELEASE/REVISION: I", and "RELEASE/REVISION DATE: April 4, 2019". Below this is "CONTRACT NUMBER: NA". Further down is "CONTENT OWNER: Total Quality, HM-01-D75". At the bottom, there is a note: "All revisions to this document must be approved by the content owner prior to release." and a disclaimer: "Not subject to US Export Administration Regulations (EAR), (15 C.F.R. Parts 730-774) or US International Traffic in Arms Regulations (ITAR), (22 C.F.R. Parts 120-130)."

# Boeing Requirements - General

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- **Defined in Contracts**

- GTA / SBP and Attachment 10
- BSCA

- **ERP Contract and associated PO Notes**

- Purchase Orders and associated PO Notes / Form X31764 Quality Purchasing Data Requirements (BCA)

- **Engineering Data (drawings, part lists etc.)**

- **Boeing Specifications (BAC, BMS, BSS, PREF001, D docs, etc.)**

- Note: Determine PSD applicability to BAC Specs
- PSD with 9-xx are not applicable for commercial A/P programs

- **Must be extracted during Contract Review and consumed in the UKAD QMS**

- Best practice – use compliance matrix to record where and how requirements are consumed

# Boeing Requirements - PO Notes

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- **PO Notes can mainly be found in ERP contract and/or PO's and are usually revised on a quarterly basis in Jan - Apr - Jul – Oct, but can be out of sequence**
  - For example PO Note S52 may apply to a specific part number and is included next to the contract position or may be placed directly on the PO
  - For example PO Note Q29 is usually located in ERP Contract header and apply to the entire contract
    - Q29 calls out form X31764 Quality Purchasing Data Requirements

## Q29 {8/15/2020}

Seller shall comply with:

### A. Boeing Form X31764

1. Seller shall comply with the requirements of Form X31764 "Boeing Quality Purchasing Data Requirements". To ensure Seller is performing to the latest Boeing Form X31764, Seller shall access this form by selecting "Supplier Quality" from the menu bar and "Other Quality Requirements" of "Doing Business with Boeing" home page located at the following URL address: <http://www.boeing-suppliers.com/>. When entering the URL, use lower case letters only. Seller shall be responsible for regularly monitoring (minimum quarterly) the URL to ensure that Seller is in compliance with the latest revision of Form X31764.

2. For purposes of this PO Note, "Supply Chain" means Seller's complete network of material, equipment, information, and services integrated into deliverable products and services provided to Seller by Seller's direct first tier supply contracts and Seller's sub-tier or lower tier supply contracts as applicable based on the product requirements being procured.

### B. AS/EN/JISQ 9100 Flow-Down Requirements

In accordance with AS/EN/JISQ 9100, Seller shall flow-down to its Supply Chain the applicable provisions/requirements of AS/EN/JISQ 9100.

### C. PO Note Management Requirements

1. Seller shall comply with all PO Notes when required by applicable contractual agreement. Boeing PO Notes are supplemental terms and conditions that consist of both quality and non-quality assurance terms and conditions. Each PO Note is designated by code number, e.g., Q29, S68, A21, etc. PO Notes may apply to the Seller via Boeing Purchase Contract or Purchase Order, and may be referenced by Boeing solicitations and letter agreements. A PO Note may be referred to as "PO Note" or "Note".

2. Boeing may revise the PO Notes from time to time. To ensure Seller is performing to the latest Boeing PO Note, Seller shall access the latest PO Note revisions via the Boeing Partners Network (BPN) Supplier Portal View. PO Notes are listed under "My Products". When Seller reviews a PO Note revision, the PO Notes page will reflect the revision as 'Acknowledged' by Seller. Seller shall access on a quarterly basis the latest PO Note revisions via the BPN Supplier Portal by the following dates of the year: 1/15, 4/15, 7/15 and 10/15.

3. The latest PO Note revision identified by the BPN Supplier Portal is effective, and therefore applicable to the Boeing Order as of the revision date of the PO Note, unless otherwise agreed to in writing by the parties for the applicable Order.

4. If Seller does not have BPN Supplier Portal access, Seller shall contact the Boeing Procurement Representative and request the latest PO Note text by specifying the applicable PO Note code number. Seller shall make such requests quarterly by the dates specified in above paragraph "2". Upon receipt of such request, Boeing will provide the applicable PO Note text to Seller. If Seller has an ERP purchase order, but no corresponding ERP purchase contract, upon request from Seller, Boeing will provide Seller the full text of each PO Note.

# Example of PO Note S52

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- **Request Boeing Source Acceptance**
  - Via Supplier Quality Information System (SQIS)
  - Immediately upon receipt of this contractual requirement

## **S52 {8/15/2020}**

Boeing source acceptance is required. Source acceptance may include in-process activities such as processing, fabrication, witness testing in addition to final inspection. Seller shall notify the Boeing Supplier Quality Representative (SQR) that services your facility via the Supplier Quality Information System (SQIS) immediately upon receipt of this contractual requirement. The Seller shall coordinate with the SQR an acceptable date for source acceptance and provide all requested information as may be required. Seller shall provide the necessary use of the Seller's facility and equipment to perform the inspection. In the event you are unable to access Supplier Quality Information System (SQIS) contact the Boeing Field Representative, or Boeing Procurement Agent for assistance.

# Boeing Requirements - Form X31764

## ■ Quality Purchasing Data Requirements

- Latest revision dated July 15, 2020
- Section 1 – Quality System
- Section 2 – Production Certificate and Business Requirements General
- Section 3 – Production Certificate and Business Requirements Specific to Seller's Statement of Work
- Section 4 – Site Unique Quality Purchasing Data Requirements
- Usually updated every quarter on Jan/01, Apr/01, Jul/01 and Oct/01 but can be out of sequence



## QUALITY PURCHASING DATA REQUIREMENTS (BCA/BGS)

**ADDITIONAL QUALITY ASSURANCE REQUIREMENTS** – The below terms and conditions supplement the quality assurance provisions set forth in the applicable Contract or Agreement between the Parties (i.e. the BCA Supply Chain Agreement (SCA), SBP, GTA, etc.).

### Section 1: Quality System

- Seller shall maintain an accredited Industry Controlled Other Party (ICOP) certification to the applicable Aerospace Standard(s) stated below including equivalent international aerospace standard(s).
- Seller shall ensure compliance with Boeing document D6-62479 "Boeing's Quality Management System (BQMS) Requirements for Suppliers" as may be revised from time to time, including Section 2 requirements for Boeing Recognition of Quality Management System Accredited Certification, Section 3 Supplemental Boeing Quality Requirements and the applicable appendices and addenda contained herein.
- Boeing reserves the right to make final determination of Seller's compliance to the below aerospace standards.
- Seller shall achieve and maintain a quality management system (BQMS) acceptable to Boeing for Products procured under this Agreement. Seller may view additional BQMS information by selecting "Supplier Quality" from the menu bar of "Doing Business with Boeing" home page located at the following URL address: [http://www.boeing.com/suppliers.com](http://www.boeing.com/suppliers). When entering the URL, use lower case letters only.
- All work performed by Seller shall be in accordance with one or more of the below listed Aerospace Standards. The Aerospace Standard(s) applicable to Seller's statement of work is determined by Boeing Purchase Order (PO) Note or Quality Clause set forth by Boeing purchase contract or purchase order.  
**Aerospace Standards and applicable PO Notes or Quality Clauses:**
  - Document AS9100 "Quality Management Systems – Requirements for Aviation, Space and Defense Organizations" as may be revised from time to time, which is incorporated herein and made a part hereof by this reference. Any one of the following PO Notes apply AS9100 certification to the Seller: Q20, Q21, Q22, Q23 and Q29.
  - Document AS9110 "Quality Management Systems - Requirements for Aviation Maintenance Organizations" as may be revised from time to time, which is incorporated herein and made a part hereof by this reference. Any one of the following PO Notes used in conjunction with PO Note Q01 apply AS9110 certification to the Seller: Q41, Q42, Q44, Q45, Q46 and Q47.
  - Document AS9120 "Quality Management Systems - Requirements for Aviation, Space and Defense Distributors" as may be revised from time to time, which is incorporated herein and made a part hereof by this reference. PO Note Q33 applies AS9120 certification to the Seller.
  - Document AS9103, "Aerospace Sales– Quality Management Systems - Variation Management of Key Characteristics" as may be revised from time to time, which is incorporated herein and made a part hereof by this reference. PO Note Q20 in conjunction with Q29 applies AS9103 conformance to the Seller.
  - Document AS9115, "Quality Management Systems – Requirements for Aviation, Space and Defense Organizations – Deliverable Software" as may be revised from time to time, which is incorporated herein and made a part hereof by this reference. PO Note Q22 in conjunction with Q29 applies AS9115 conformance to the Seller.

### Sub-section A: Aerospace Quality Management System (AQMS) Certification

Boeing recognition of Seller's AQMS certification does not affect Boeing's right to conduct audits and issue findings at the Seller's facility. Boeing reserves the right to provide Boeing-identified quality system findings, associated quality system data, and quality performance data to Seller's certification or registration body (CIB).

Q31764 REV 07/15/2020

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# Special Processes

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- **Must comply with Boeing D1-4426 or UKAD QMS depending on contractual requirements**
  - For example, PO Note Q29 → X31764 → D1-4426
  - For example, SCD general requirements supplement document (D6-53172) and PO Note Q29 identify processors must be approved in D1-4426
- **Raw Material Sub-tier Suppliers**
  - Non-US sources must be listed in D1-4426 & Specification QPL
  - US sources must be listed in Specification QPL
- **D1-4426 is available on the web public domain**
  - List of all approved processors
  - List of all approved process
  - [Click here to access D1-4426](#)

# Digital Product Definition and Tooling

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- **Digital Product Definition**

- Process requirements contained in D6-51991
- IT Systems requirements contained in D6-56199
- Approval will be granted by Boeing SQ Technical Integration (SQTI) DPD Focal

- **Tooling**

- Requirements contained in D33200-1 / -2
- If needed approval will be granted by SQ Technical Integration (SQTI) Tooling Focal

# Sub-Tier Suppliers Approval

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- **Special Processes Sub-tier Suppliers (General Rules)**
  - Raw material sub-tier suppliers
    - Non-US sources must be listed in D1-4426 & Specification QPL
    - US sources must be listed in Specification QPL
  - Processors
    - Must be listed in D1-4426 if required by contract
  - Others
    - Must be managed per UKAD QMS requirements

# Boeing Source Inspection

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- **Ensure Boeing Source Inspection Requirements are understood and met**
  - PO Note S52 requires Boeing Inspection and validation of delivery documentation
  - Applies to all products shipping to Boeing until delegation can be granted
  - Managed in SQIS
    - UKAD to appoint a Source Inspection Focal
    - UKAD to notify the assigned Boeing SQR immediately upon receipt of this contractual requirement
    - Boeing Source Inspection statement and Boeing stamp applied on the supplier shipping document
- **Boeing Delegation Process**
  - Will start once confidence that UKAD can ship conforming products is established
  - Usually starts with P/N Delegation (D6-50022)
  - Then move to Supplier Inspection Delegation at Supplier Code Level
- **Supplier Funded Source Inspection (SFSI)**

# Shipping Documentation

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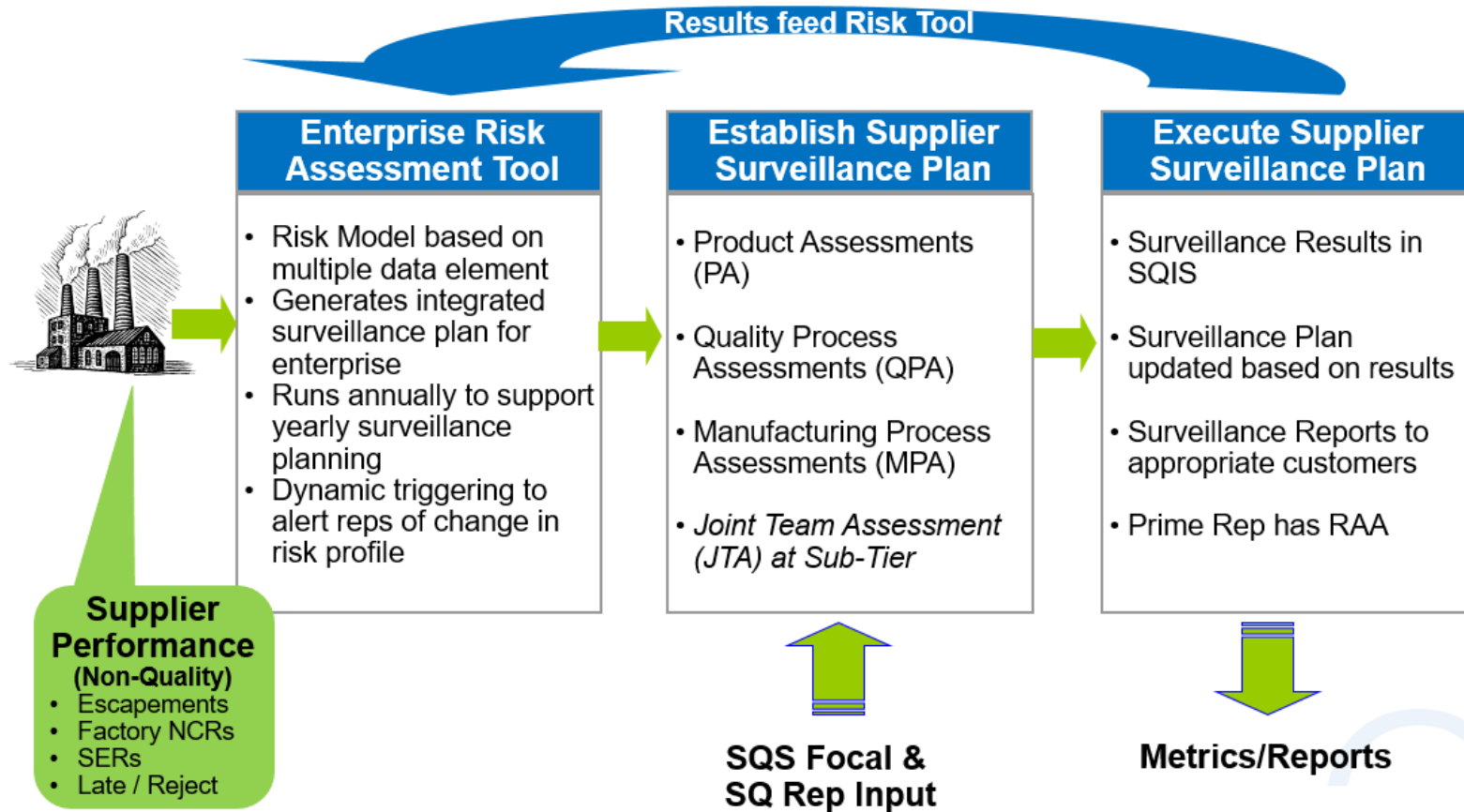
- **Ensure PO Note compliance to the requirements for part release and content of delivery documentation**
  - Defined through SBP and/or PO Notes
  - For example, commercial Invoice per requirements of PO Note C35
  - Certification of Conformity per requirements of PO Notes Q31 and Q13
  - Boeing source inspection statement and stamp
  - Boeing ODA 8130-3 if required

# Concession Process / MRB Delegation

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- **Submit a Material Review in SQIS**
  - Should be an exception and will require advanced coordination with SC Operations Procurement Agent validation and when SQ evaluation / concurrence to proceed has been obtained and included as part of the supplier MRR submittal (see SB# 20-274 for details)
  - Requires discret PO for non-unitized products ordered under a blanket purchase order
- **Authorization to ship will come back as a Non Conformance Record (NCR)**
- **NCR number to be referenced on Shipping Notice**
- **SNN's impact UKAD quality rating and will generate Supplier Nonconformance Debiting (SND), see slide 27**
- **Otherwise, obtain MRB Delegation**
  - SBP Attachment 10 / X31764 , per D-13709-4 or D-13709-5
  - Contact the Boeing PA to liaise with Boeing Engineering and SQ

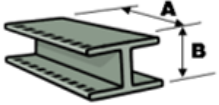
# Supplier Quality Surveillance (SQS)



# Supplier Quality Surveillance (SQS)

- Risk based oversight planning using 3 tools (PA, QPA & MPA)
- Annual assessment plan using pre-defined checklists

### Production Product Assessments (PA)




- Compliance focused
- 8 hours average
- Auto-generated report indicating assessment results

#### MRO PA


- MRO Certificated and Non-certificated PA
- 16 hours average

### Quality Process Assessments (QPA)



- Compliance and Improvement
- Deep dive process review of quality process identified as high risk
- 16 hours average
- Auto-generated report indicating assessment results
- Checklist Examples: Sub-tier Supplier Control, Corrective Action, First Article Inspection

### Mfg. Process Assessments (MPA)



- Compliance and Improvement
- Deep dive process review of manufacturing process identified as high risk
- 24 hours average
- Auto-generated technical report indicating assessment results
- Checklist Examples: Hand Solder, Hole Drilling, Mechanical Assembly

# Corrective Action Requests - Processes

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- **All corrective actions are managed in SQIS**
- **Product Corrective Actions (Boeing Factory Discovery)**
  - Supplier Nonconformance Auto debiting (SND) started Aug/05/2019 (slide 27)
  - 2 levels of Corrective Action Requests:
    - Nonconformance Notifications (NN's)
      - Must be opened and reviewed through the NN – New queue in SQIS
      - Corrective Action to be defined and implemented but no formal response required
    - Corrective Action (RCCA)
      - Formal response in SQIS System
      - Several levels (IA, IC, RCCA)
      - Increased focus on containment with response within 1 day
- **System Corrective Actions**
  - Supplier Evaluation Report (SER)
    - Minor or Major
    - Issued during Boeing audits or when necessary
    - Record of CA Response and Verification
- **Late reports are monitored and increase SQS oversight for following year**

# Corrective Action Requests - Expectations

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- CA responses must be provided in SQIS before the requested due date
- One or more extensions can be requested but cannot extend over 20 manufacturing days AND must be requested prior to the due date
- The RCCA plan does not need to be implemented and verified before submitting the response
- Boeing expectations for appropriate RCCA plan must be met
- RCCA plan is considered acceptable provided corrective actions:
  - are clearly stated, correspond to root cause statement, have a responsible/focal assigned, include an estimated completion date

# Supplier Nonconformance auto Debiting (SND)

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- **Applied to Boeing suppliers since Aug/05/2019**
- **Scope:**
  - Factory product rejection (NN, IC, IA, RCCA)
  - Supplier Nonconformance Notification (SNN)
- **30 days to contest a tag in SQIS once it's pushed to UKAD's queue**
  - NN's are automatically generated and assignee is no longer the point of contact (POC) if further information is needed
    - For 787, POC can be identified in Velocity
    - For legacy programs contact your SQR / PA
    - Attention this might add time to your investigation and so close monitoring of SQIS queue is imperative
  - Absence of Change of Charge request after 30 days means UKAD accepts responsibility for the tag and it will trigger SND
  - SND's will be bundled and sent to supplier by Boeing Procurement Agent biweekly
- **Increased minimum cost from previous version of SND**
  - Cost will no longer show up in SQIS

# Notice of Escapement (NoE)

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- **Requirements are defined in PO Note U40**

- Product(s) which are or may be nonconforming
- Written notification to Boeing within 3 days from the day of discovery of know or suspect discrepancy
- Include following information
  - a) Affected process(es) or Product(s) part number(s) and name(s)
  - b) Description of the nonconforming condition and the affected engineering requirement (i.e., what it is and what it should be)
  - c) Quantities, shipping dates, purchase orders and destinations of delivered shipments
  - d) d. Suspect/affected serial number(s) or date codes, lot numbers, or other part identifiers and airplane line units when applicable.
- If unable to get all information, submit a and b plus any know information for c and d within 3 days using form X39312
- All information must be submitted within business 10 days from the day of discovery of know or suspect discrepancy

# Quality Requirement Review

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- **Quality Requirement Review (QRR)**

- Checklist SS-0850
- Documented in SQIS
- Is a tool to ensure all requirements are understood and will be consumed in New Supplier QMS
- Result is a list of actions
- Is not an audit or assessment
- To be scheduled once contract is awarded including GTA, SBP and ERP Contract

# APQP / PPAP

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- **Advanced Product Quality Planning (APQP) & Production Part Approval Process (PPAP)**
  - Forced through contract or Agreement
  - Requirements contained in form X38656 (latest revision dated October 01, 2020)
    - In accordance with AS/EN/JISQ 9145
    - Shall be flow down to UKAD supply chain
    - Seller with design & Manufacturing responsibilities: shall complete all PPAP deliverables for phases 2, 3 and 4
    - Seller without design responsibilities: shall complete all PPAP deliverables for phases 3 and 4
    - PPAP data submittal requirement may be specified in Engineering Administrative Agreement or Quality Notes

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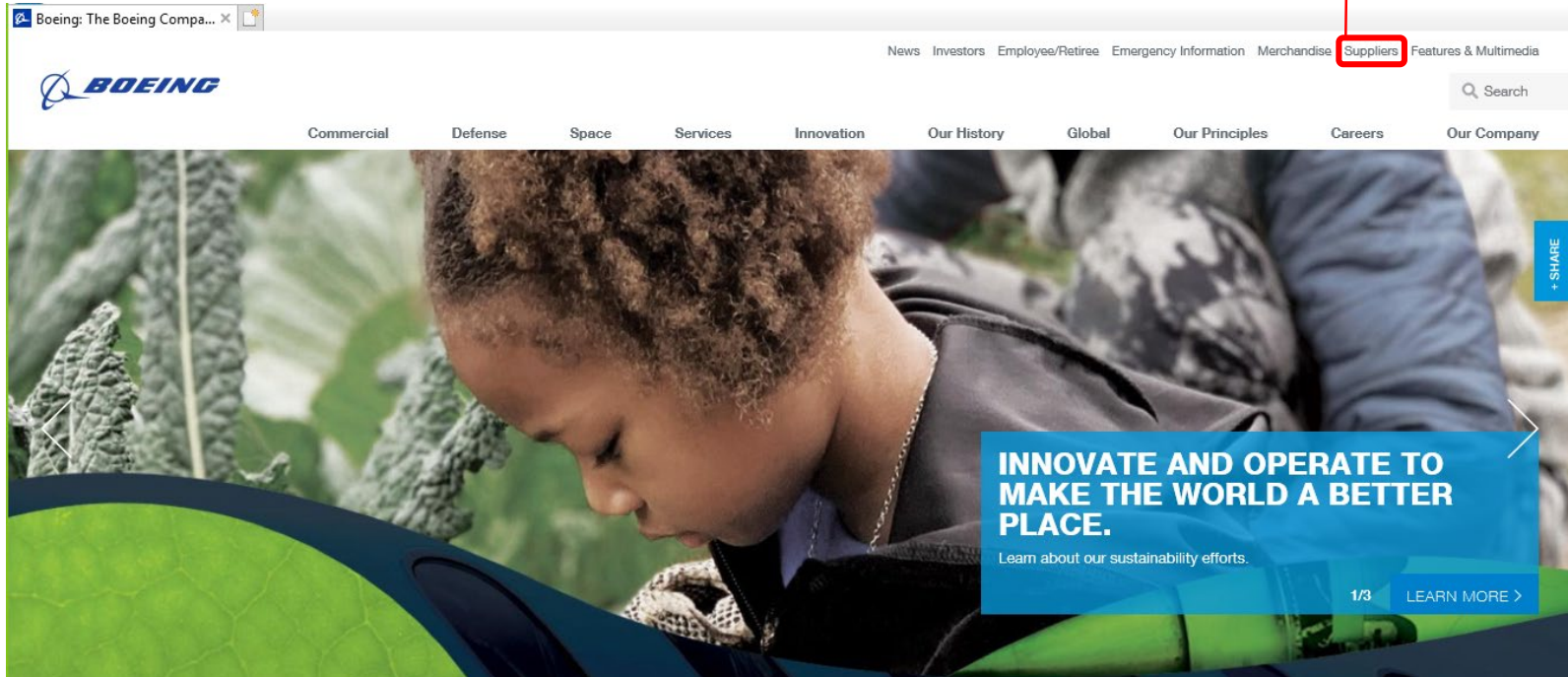
# **Part II**

# **Systems & Tools**

# Boeing Public Website

Click on Supplier to access supplier specific information

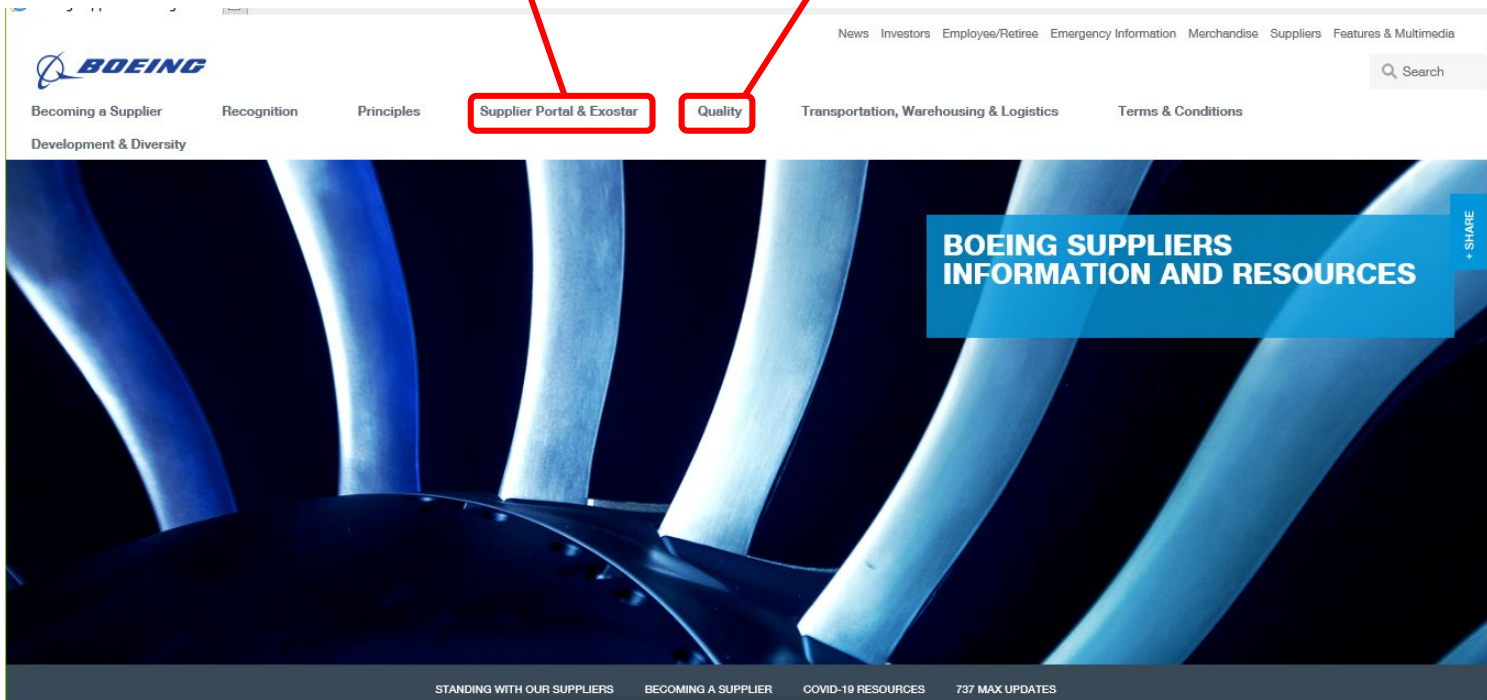
- The Boeing Company website address is [www.boeing.com](http://www.boeing.com)



# Boeing Public Website Doing Business with Boeing

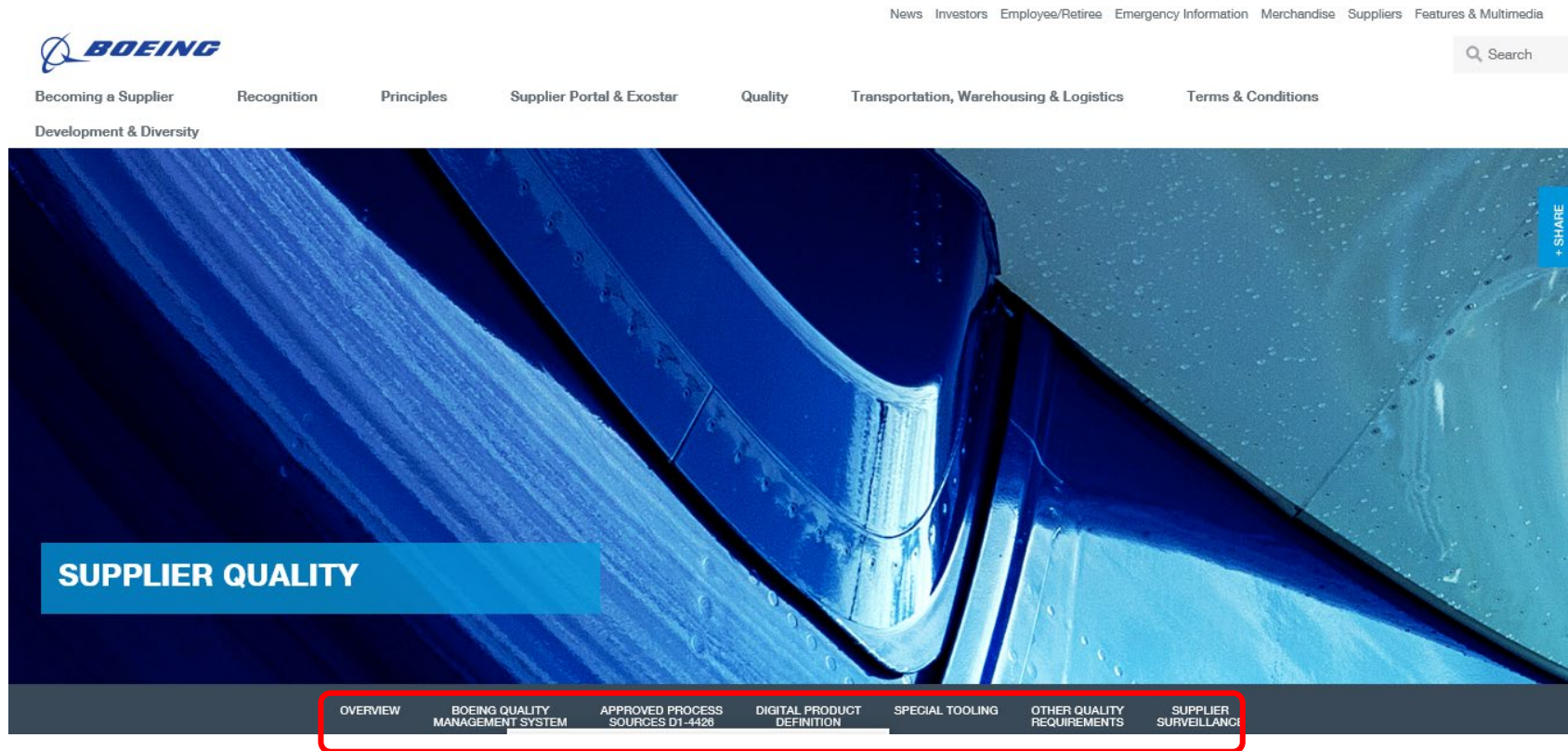
Access to  
Supplier Portal

Access to  
Supplier Quality



# Boeing Public Website Supplier Quality

- Access to: Boeing Quality Management System (BQMS), D1-4426, DPD, Other Quality Requirements, Supplier Surveillance



# Boeing Supplier Portal – Exostar Access

- Boeing Supplier Portal (BSP) access through Exostar
- Supplier Management PA will help obtain accounts
  - Recommended for Program and Quality Organizations

**EXOSTAR** [About Us](#) [Help](#)

Sign In

**Login**

User ID  [Forgot User ID?](#)

Password  [Forgot Password?](#)

[Login](#)

**Advanced Login Options**

[Single Sign On \(EAG\)](#)

[Digital Certificates \(Hardware\)](#)

[Digital Certificates \(Software\)](#)

Unauthorized access to this computer system may constitute a criminal offense.

**First Time Users?** [Register for Exostar services](#)

**Need assistance?** [Contact Customer Service](#)

**Not Registered Yet?** [Register for Exostar services](#)

**Announcements**

We have successfully updated Exostar's IAM Platform (MAG) to Version 6.14 on June 12<sup>th</sup>. Updates and enhancements include the following:  
Removal of First Time Login(FTL) One Time Password:  
Administrators: Administrators are no longer required to enter and share One Time Password(OTP) with new users for the FTL process.  
New Users: Users are no longer required to enter the OTP during the FTL process. FTL email is enhanced such that the users can now click the FTL URL and can directly create a permanent account password without entering OTP for completing the account activation.  
Extend password length restriction  
Users can now create passwords up to 64 characters long.

# Boeing Supplier Portal - My Products

- My Product Lists all accounts / systems available to a specific user

Welcome Serge Soulhat! Home Contact Us Help My Account Log Out

## Supplier Portal

HOME SÉLECTION ACTUELLE MY WORK TRAINING PERFORMANCE

**System Messages**

- All times are shown in Pacific Daylight Time(GMT-8)

**My Products**

- BCA PSD Eng. Coord Memos
  - BCA PSD Eng. Coord Memos - CSDT
- BCA Puget Sound Applications
  - PUGET-SOUND-APP File Transfer
  - Supplier Data Transmittal
- Supplier Portal

**Notifications**

**Announcements**

- Supplier annual Conflict Minerals reporting: reporting template instructions
- Supplier Orientation Training
- Answer your Challenge Questions for Identity Verification!
- RMAS Go-Live Update
- RMAS Web-Based Training is live!
- Important to provide weekly updates in Supplier Delivery Follow-up (SDF) with latest delivery status and accurate comments to ensure real time visibility.
- Boeing global partners: 100 years of leadership in aerospace, innovation
- Updated F302 Clause
- Required Supplier Transition from Windows 7 to Windows 10
- Supplier-initiated Material Review Disposition Requests
- Reduction of the on-time delivery window for suppliers
- Transition of Warehouse Operations
- BDS SUPPLIERS: ITT Cannon GIDEP Alert Notice
- Don't mail paper invoices to Boeing.
- International Freight Forwarders Selected for 2016-2021
- Support pending F/A-18 and F-15 foreign military sales

**EID**

Boeing Engineering

Search for Document Number:

Search

**EID**

**PSDS**

Search for Standard Number:

Search

**Product Standards**

**Boeing Directory**

Last, First Search

This directory and the information contained herein is the property of the Boeing Company and is for official use only. Any unauthorized use of the directory or its contents is strictly prohibited.

**My Company**

- Conflict Minerals
- PRO 6 Business Courtesies
- Sub-Tier Diversity
- Sub-Tier Foreign Procurement
- Sub-Tier Information

**Resources / Quick Links**

- Boeing Forms
- Doing Business With Boeing
- Ethics and Compliance Resources
- M-Day Calendar
- Message Courier

**Categories**

- Compliance
- Engineering
- Home
- Orders/Contracts
- Payment

**My Products**

- BCA PSD Eng. Coord Memos - CSDT
- PUGET-SOUND-APP File Transfer
- Supplier Data Transmittal
- Supplier Portal

**Support**

- Change Boeing Passwords
- Contact Us
- Getting Started
- Log Off
- System Requirements

**Help**

- CA Response Guidelines
- General Help
- ISC - Procurement Issues
- IT Ticket

# Supplier Product Data Management (SPDM)

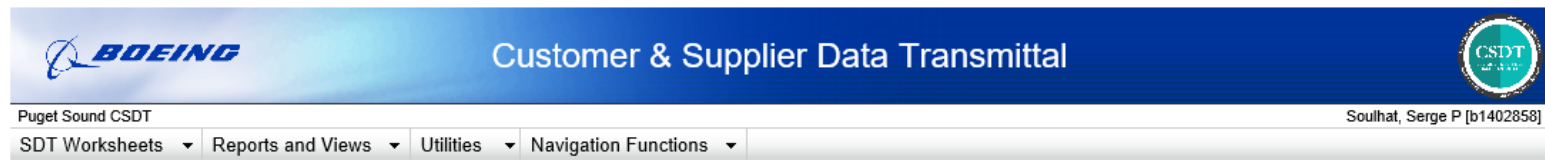
- SPDM gives access to:
  - Keep Up to Date (KUTD)
  - Change Log Record

The screenshot displays the Boeing Supplier Product Data Management (SPDM) web application. The top navigation bar includes 'Help | Contact Us | Logoff' and the Boeing logo. The main header reads 'SPDM Supplier Product Data Management'. A secondary navigation bar contains 'Startup Page', 'Change Log', 'KUTD', 'DDR', 'Tracking', and 'Other'. The 'KUTD' link is highlighted with a red box. Below this, a 'Records Filter & Sorting Criteria' section is shown, with a 'KUTD' label in a red box. The 'Sorting criteria' section includes 'Sorting by' (Supplier Code) and 'Sorting Order' (Ascending), with 'Apply', 'Reset', and 'Undo Changes' buttons. The 'Supplier Parameters' section has radio buttons for 'Supplier Code' and 'BEST Code', each with an 'Equals to' dropdown and input field. The 'Delegation Source' section has radio buttons for 'All', 'Boeing', 'Delegation Source (Supplier Code)', and 'Delegation Source (BEST Code)', each with an 'Equals to' dropdown and input field. The 'Data Item Parameters' section includes four columns: 'Data Item Number', 'Dash', 'Sheet (ID)', and 'Revision'. Each column has a 'Begins with' dropdown and an input field. Below these are four lists: 'Acronym (Type)', 'Program', 'CAD Code', and 'Category'. The 'Acronym (Type)' list includes All, 1N, 1NAT, 1NDL, 1NPL, 1NSC, and 1NTS. The 'Program' list includes All, 10, 100, 108, 11, 115, and 116. The 'CAD Code' list includes All, 1, 2, 3, 4, and 5. The 'Category' list includes All, BOEING DATA, LONG BEACH DATA, HUNTINGTON BEACH DATA, ST LOUIS DATA, PRODUCT STANDARDS, and LIBRARY SERVICES. Below these lists are 'Disclosure Level' (All, 4 MIL, 5 COM, 6 MIL, 7 COM, 8 MIL, 9 COM) and 'PSDS Collection' (Boeing Product Standard). The 'Export Sensitivity' section includes 'Begins with', 'Change Number', and 'Equals to' dropdowns and input fields.

# Customer Supplier Data Transmittal (CSDT)

## ■ CSDT:

- Manage technical documentation submittal / approvals (Supplier Drawings, ATP, etc.)
- Not considered the configuration management system




Welcome to Puget Sound CSDT - Soulhat, Serge P [b1402858]. Click [here](#) to see what's new.

SDRL Main Menu			
SDT Worksheets	<a href="#">My Queue</a>		
Reports and Views	<a href="#">Document Report</a> <a href="#">View Scheduled Items</a> <a href="#">Create PDF for Completed SDT</a> <a href="#">Tech Data Report</a> <a href="#">Drawing Status Report</a>	<a href="#">30,60,90 Day Reports</a> <a href="#">SDT Metrics</a> <a href="#">Ad Hoc Report</a> <a href="#">Data Item Library</a> <a href="#">Manage Report Queue</a>	<a href="#">View SDRLs</a> <a href="#">Part and Schedule Info</a> <a href="#">Part Number Report</a> <a href="#">View SDTs</a>
Utilities	<a href="#">View or Manage CSDT Users</a> <a href="#">Manage Data Item Groups</a> <a href="#">TDMS Old Archive Data</a> <a href="#">Manage Closed SDTs</a>	<a href="#">Manage Groups of Users</a> <a href="#">Part and SDRL Item Status</a> <a href="#">Approve Draft SDRL</a>	<a href="#">Manage Groups of Suppliers</a> <a href="#">Email Notification Manager</a> <a href="#">Document Release</a>
Navigation Functions	<a href="#">CCC Main Menu</a> <a href="#">Help</a>	<a href="#">Home</a> <a href="#">Log Out</a>	<a href="#">Contact Us</a>

# Engineering Information Delivery (EID)

- EID (aka REDARS) is the Boeing and Supplier Drawing Repository

[Help](#) | [my List](#) | [Options](#) | [Get Prizm](#) | [Contact Us](#) | [Logoff](#)

 **REDARS**  
Engineering Information Delivery

[Home](#) | [Drawing Searches](#) | [Part Searches](#) | [MBD Searches](#)

### Boeing Engineering Drawing Search

Boeing Engineering and GSE Tooling       Commercial Markers

Include history       Partial drawing number

Drawing Number \*

ID(sheet#)

[Type](#)

- All
- AAEAR ^
- AAL
- AL
- AML
- AWAPP v

\* Required field

Results per page:  25  50  100

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# Product Standards Data System (PSDS)

- **PSDS is the Boeing specification repository**
  - BAC, BMS, BSS etc.
  - Product Specification Departure (PSD's) as well as Qualified Product List (QPL's)
  - Feature to subscribe to revision alerts / notifications

The screenshot shows the Boeing Product Standards Data System (PSDS) website. The header includes the Boeing logo and the text "PSDS Product Standards Data System". Navigation links for "Home", "Advanced Search", and "Manage Your Subscriptions" are visible. A search bar is present with fields for "Get Standard" and "Search". A sidebar on the left lists various categories like "Standard Collections", "One Boeing Product Standards", and "Enterprise Part Lists". The main content area features a "Welcome to PSDS Web" message, "Announcements" regarding browser compatibility and security, "Recent Improvements" about search capabilities, and "Upcoming Improvements" regarding departure information. A "Latest Releases" section at the bottom lists specific standards like BACN11DE and D33142-13B.

# Qualification Information Management System (QIMS)

## Submit / view qualification reports

QIMS - Internet Explorer

— □ ×



### Qualification Information Management System (QIMS)

Home Logout

View QRR  
Qualified Source Report  
QRR Reports  
Boeing Delegation

#### Search Criteria - View QRR

QRR Number	<input type="text"/>	Qualification Type	<input type="checkbox"/> Composite Part
Part Number	<input type="text"/>		<input type="checkbox"/> Equipment - 1
Best Code	<input type="text"/>		<input type="checkbox"/> Equipment - 2
Type of Location	Select ▼		<input type="checkbox"/> Finish Appearance
Qual Sch.Start Date	<input type="text"/>	Status	<input type="checkbox"/> Forging
Supplier Name	Select ▼		<input type="checkbox"/> Machined Part
Location Qualified City	Select ▼		<input type="checkbox"/> Backload Pending
Location Qualified Country	Select ▼	Location(Company Name)	<input type="checkbox"/> Closed - Approved
Assigned To	Select ▼	Program	<input type="checkbox"/> Closed - Cancelled
			<input type="checkbox"/> Closed - Expired

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Last Updated: 12/12/2019 (1.0.0.0)

# Enterprise Supplier Performance Measurement (ESPM)

## Quality and Delivery ratings

- 1, 3 and **12** months rolling average (12 months being the official) measure)
- **Alternate quality rating to retire on 4Q2021.**



## Supplier Performance Measurement Thresholds Enterprise Supplier Performance Measurement (ESPM)

↑ High Performance	Gold	Exceptional	Quality: 100% Acceptance Delivery: 100% On-Time	GPA/AQM Index: ≥ 4.8 Score (and No Yellow or Red) PFS: ≥ 4.8 Score (and No Yellow or Red)
	Silver	Very Good	Quality: 99.80% - 99.99% Acceptance Delivery: 98% - 99.99% On-Time	GPA/AQM Index: 3.8 - 4.79 Score (and No Yellow or Red) PFS: 3.8 - 4.79 Score (and No Yellow or Red)
	Bronze	Satisfactory	Quality: 99.55% - 99.79% Acceptance Delivery: 96% - 97.99 On-Time	GPA/AQM Index <sup>(1)</sup> : 2.8 - 3.79 Score (and No Red (evaluation level)) PFS <sup>(2)</sup> : 2.8 - 3.79 Score (and No Red)
	Yellow	Needs Improvement	Quality: 98% - 99.54% Acceptance Delivery: 90% - 95.99% On-Time	GPA/AQM Index: 1.0 - 2.79 Score PFS: 1.0 - 2.79 Score
	Red	Unsatisfactory	Quality: < 98% Acceptance Delivery: < 90% On-Time	GPA/AQM Index: < 1.0 Score PFS: < 1.0 Score

Notes:

(1) Overall and GPA evaluation ratings are numerical average of applied numerical values:  
Gold = 5 Silver = 4 Bronze = 3 Yellow = 1 Red = 0

(2) Additional low-performing rules apply to Bronze level for GPA/AQM Index summary level Scoring (for Site/Business Group/Enterprise) - No Yellow or Red

(3) Additional low-performing rules apply to Bronze PFS Enterprise Summary Level Scoring - No Yellow or Red

(4) Additional rules apply for Alternate Quality Metric (AQM) summary ratings for the Business Group and Enterprise levels

(5) Quality Percent Acceptance is used for Traditional and Value methods

(6) All calculated scores are truncated to 2 decimal places

# Supply Chain Readiness System (SCRS)

- Production Rate Readiness (PRA)
- Quality Improvement Plan (QIP)
- Performance metrics

The screenshot displays the Boeing Supply Chain Readiness System (SCRS) interface. The left sidebar contains a 'Scoring Categories' menu with the following items: Staffing, Capital Equipment, Mfg. & Assembly, Quality/Delivery Part, Water Cooling, Facilities, Lean (Low Reduction), Work Movement, Supply Chain, Business Systems, Engineering, Product Dev/Intro, and Subd Process. The 'Production Rate Readiness (PRA)' and 'Quality Improvement Plan (QIP)' items are highlighted with red boxes. The main content area shows a 'Current Assessment' for a supplier, including a 'Supplier Profile' section, a 'Status' section with 'Active' and 'M31 Code' fields, and a 'Performance Metrics' section showing 'ESPM Rating' for 'Quality' at 88.21% and 'Delivery' at 81.00%. The 'Announcements' section is currently empty. The right sidebar shows 'Enterprise Overall Rating' and 'SCA Overall Rating' with green status indicators.

# Supplier Quality Information System (SQIS)

- **SQIS is used for:**
  - Supplier Approval, Supplier Surveillance, Corrective Actions, Production Verification, Material Review, Notice of Escapement (not used by BCA)

BOEING Supplier Quality Information System Administration | My Settings | Help

Dashboard Supplier Approval Supplier Surveillance Corrective Action Product Verification Material Review Notice of Escapement

Dashboard

SQIS Work Queue ON OFF

	In Queue	Past Due
All	8	0
CA	2	0
PV	0	0
SA	2	0

SQIS Follow Up Activities

	In Queue	Past Due
All	0	0
Action Plan	0	0
Collaboration	0	0
New Assignment	0	0
PVP Renewal	0	0
Dis.	0	0

SQIS Notifications

	In Queue	Unread	Held
All	23	1	0
Today	1	1	0
Yesterday	0	0	0
Last Week	2	0	0
2 Weeks	5	0	0
Older	15	0	0

News and Alerts

- SQIS New User Interface issues occurring with IE ALL 14/Sep/2020 SQIS New User Interface issues with IE
- New Change of Charge process (BCA only) ALL 16/Sep/2019

Key Links

- STAR (SQIS User Access Request)
- Supplier Profile Change Form
- PQAA
- QCAT
- eRisq
- SPVR

Getting Started

**Welcome to SQIS**

Click the following links to access information on SQIS and to understand how it works.

Get started with:

--Select Item--

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# SQIS - Boeing QMS Approval

- SQIS - Boeing QMS Approval
  - QMS (AS9100), Special Process, DPP, 8130-9 Delegation, etc.

The screenshot displays a web application interface for SQIS Boeing QMS Approval. At the top, there are navigation tabs: Profile Search, Profile, Contacts, Scope, Category, Procurement, and PV Assignments. Below the tabs, there are links for 'Expand All' and 'Collapse All'. The main content area is divided into two columns: 'Primary Address' and 'Mailing Address'. Below these, there are fields for 'DUNS Code', 'Profile Status', 'Principal Rep', 'BU / Functional Org', and 'Ownership Type'. A table with the following columns is visible: Discipline, Status, Type, Owner, and Approval Requests. The table contains several rows of data, including 'Supplier Inspection Delegation', 'QMS (AS9100)', 'BDOO Type Design Data', 'Drop Ship Delegation', 'MPO', 'MRA Delegation', and 'FAA 8130-9 Delegation'. Below the table, there is a section for 'Related Suppliers'.

Discipline	Status	Type	Owner	Approval Requests
<a href="#">Supplier Inspection Delegation</a>	See DAR	See DAR	<a href="#">Cuevas, Emanuel</a>	
<a href="#">QMS (AS9100)</a>	Approved	Full	<a href="#">Souhat, Serge</a>	
<a href="#">BDOO Type Design Data</a>	Withdrawn	Full		
<a href="#">Drop Ship Delegation</a>	See DAR	See DAR	<a href="#">Souhat, Serge</a>	
<a href="#">MPO</a>	See DAR	See DAR	<a href="#">Thayer, Randall</a>	
<a href="#">MRA Delegation</a>	See DAR	See DAR	<a href="#">Wagner, David</a>	
<a href="#">FAA 8130-9 Delegation</a>	Withdrawn	Full	<a href="#">Souhat, Serge</a>	

- Configuration management system

- For all parts on 787
- For some parts on legacy programs or derivatives (i.e. 777X)

The screenshot displays the ENOVIA Search Tree on the left, with a search for 'BOECACVMPPartVersion' in the main area. The search results table is as follows:

Part Number	Name	Description	Part Type	Controlled By	PIN	Design Responsibility	Make From	Spares Configuration	Is Configured	Administrative Trac
151Z3024-701										

Part Class	Configuration Authority	System	Phase	Project	Version	Descrpts	Version	Status	Del	Modified	Owner	Organiza
Engineering	787	ENOVIA	Production	DEFAULT	NEW for -10			Approved	Wa	Friday, August 31, 2016	RP2008	W-D

Part revision and approval status

- Nonconformance management system for 787

The screenshot displays the Pertinence Suite software interface. At the top, the header includes the logo 'pertinence Suite' and navigation options like 'Execution', 'New', and 'Search'. Below the header, there are tabs for 'My SOI Tasks', 'My Recent SOI Tasks', 'Work Center Tasks', 'Orders', 'EPDs', and 'Call Sheet'. The main content area features a search and filter form with the following fields:

- EPD #, Seq, Rev, In Work By Me (checkbox), Find, Reset, Save buttons.
- Creation Date: From and To date pickers.
- Assign To: Text input field.
- Production Location: Dropdown menu.
- Process Type, Process Status, Stage, Stage Status: Dropdown menus.
- Line # (1-9) and Initiation Line #: Lists with arrows for selection.
- Work Center Group and Work Center: Lists with arrows for selection.
- Non-Utilized: Checkbox.

At the bottom of the form, it shows 'Items: 0' and 'Pages: 0'. The bottom right corner of the interface features the Pertinence Suite logo with the tagline 'POWERED BY VELOCITY'.

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# **Part III**

# **Expectations and discussions**

# Expectations, Discussions and Comments

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- **Expectations**
  - **Meet with the focal and workers from each affected organizations**
  - **Discuss Boeing requirements in details**
  - **Answer any question**
  - **Provide additional training on Boeing Systems and Tools**
- **Discussions and comments**

# Topics of Interest (1/2)

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- **Quality Requirements**
  - D6-82479
  - PO Notes, X31764
  - ARR
  - QRR
  - Sub-tier flow down
- **Conformity Inspection**
  - FAA Definitions
  - Applicant Inspection & Delegation
  - ODA Inspection
- **Special Processes / D1-4426**
- **Seats & Galleys**
- **Digital Product Definition and Tooling**
- **Sub-tier Suppliers Approval**

# Topics of Interest (2/2)

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- **Engineering data**
  - Build to Print
  - Supplier design / Boeing Approval
- **Inspection**
  - Receiving
  - In-process
  - Final
  - 100% inspection vs sampling
  - Operator Self Verification
  - Delegation
  - FAI & BFAI
- **Nonconformance**
  - Boeing notification, system and products
  - Data mining
  - RCCA
- **FAA Supplier Control Audit**

