



UNITED STATES AIR FORCE LIFE CYCLE MANAGEMENT CENTER



TEAM TINKER



Propulsion
Industry Day
Qualification Requirement
SAR Package Preparation
13 July 15

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BLUF



- Focused SAR Package Submittals
- Meet the Established Requirements
- Reduce Effort to Become Qualified



Propulsion Standardization



- Qualification Documentation Triangulation
 - Technical Data Package (EDL or RDL)
 - Waiver Request or QRs
 - Screening Analysis Worksheet (761 & 762) (Internal)
- Engineering defines all NSNs associated with established QRs
 - All Items Coded with AMSC/RMSC of C, K, M or V
 - All Others Code will be requesting Waivers
- SAR package Evaluated using AFLCMC/LPS form 815
- Incorporating lessons learned from the SAR Evaluations
 - Revising QR with Waiver, Requalification & Evaluations



Propulsion Standardization



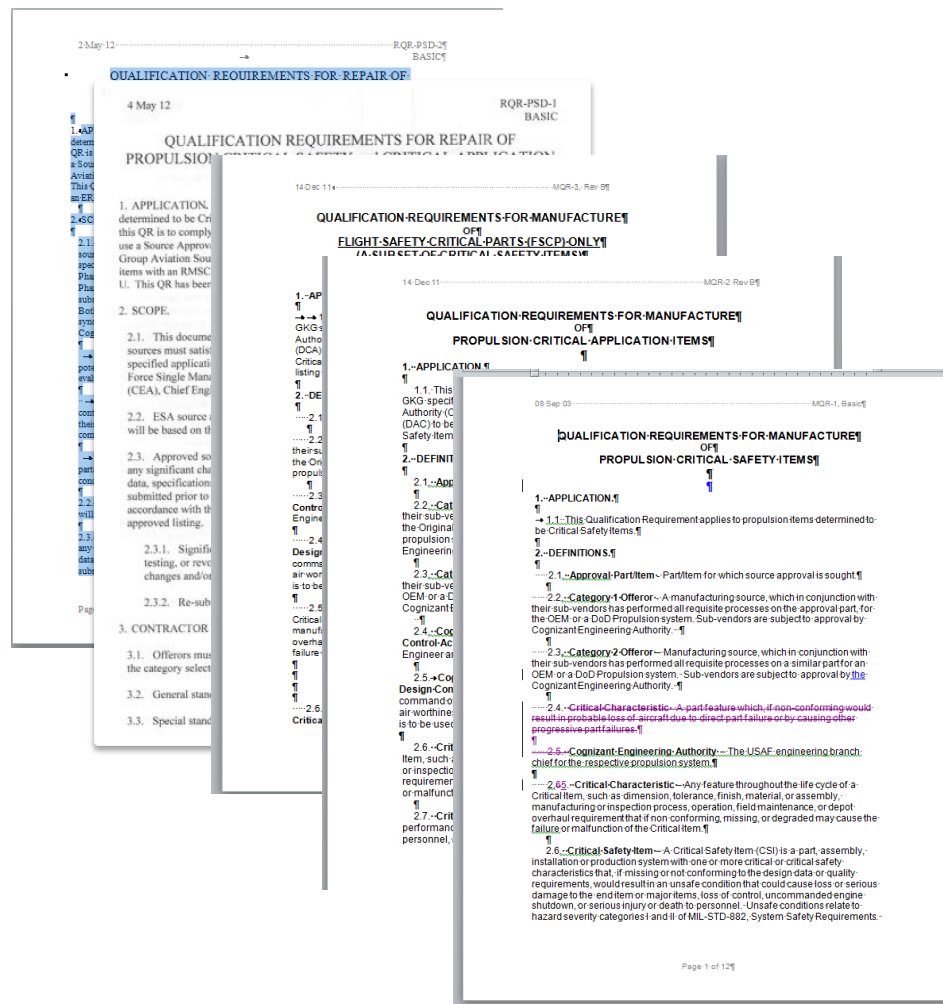
- Purpose
 - Standardization of the Propulsion SAR Process
- Established Three standard Manufacturing QRs (MQR)
 - MQR-1 (CSI),
 - MQR-2 (CAI)
 - MQR-3 (V-Coded)
- Established Standard Repair QRs (RQR)
 - RQR-PSD-1 – Replaced a variety of individual RQRs
 - RQR-PSD-2 – RQR-PSD-1 plus a source demonstration
- Standard SAR Evaluation Checklist in Use



Propulsion Qualification Requirements

Application Requirements (CSI, CAI and Non-Critical)

- MQR-1 (CSI)
 - Acquisition Method Suffix Code (AMSC): C, K and M
 - Technical data Package Must be Complete
- MQR-2 (CAI)
 - Acquisition Method Suffix Code (AMSC): C, K and M
 - Technical data Package Must be Complete
- MQR-3 (CSI & AMSC V)
 - Acquisition Method Suffix Code (AMSC): V
 - Technical data Package Must be Complete
 - OEM and Licensees Only
- RQR-PSD-1
 - Expendability, Recoverability, Reparability Category (ERRC): C, P, S, T or U
 - Repair Method Suffix Code (RMSC): C, K and M
- RQR-PSD-2
 - Expendability, Recoverability, Reparability Category (ERRC): C, P, S, T or U
 - Repair Method Suffix Code (RMSC): C, K and M
 - Source Demonstration Required (Part of Qualification)





SAR Waivers

- Proposed Provider
 - Reviews the QR or AFMCI 23-113
 - Select the Qualification Waiver Condition (QWC)
 - Submit the Waiver Request
 - Submits Required Documentation

The Offeror should consider submitting a waiver for evaluation after they have determined that one of the following waiver conditions has been met:

- QWC1: The potential source submits written certification that the articles have been supplied to the government or original equipment manufacturer (e.g., DD Form 250, Material Inspection and Receiving Report, Purchase Order invoice).
- QWC2: The potential source is qualified on the right-hand article and requests to be qualified on the left-hand article. If the right-and left-hand articles are mirror images of each other, then approval can generally be given.
- QWC3: A source qualified to provide an assembly is usually qualified to provide subassemblies, major components, and items of that assembly. Applies only if all the manufacturing or repair for subcomponents is conducted in-house and elements G, H, K L and M were provided during the qualification of the assembly.
- QWC4: A source qualified to provide earlier dash numbers of a basic P/N may be qualified to provide other dash numbers of that same basic P/N, provided there is no increase in complexity, criticality, or other relevant requirements.
- QWC5: Supplier shall submit SAR CAT II or III.
- QWC6: A source previously qualified to provide an item, but which has been purchased, sold, merged, absorbed, reformed, split, etc., may qualify if it can be established that the qualification is currently with the requester and that the requester has the same or equivalent facilities, tooling, equipment, personnel, and utilizes the original forging, castings, etc., in the process. **NOVATION LETTER IS REQUIRED.**
- QWC7: Other. Needs to be adapted based on the situation. This waiver has been used for OEM moving to a new facility. The ESA will adjust the elements required.



SAR Waiver Data Requirements



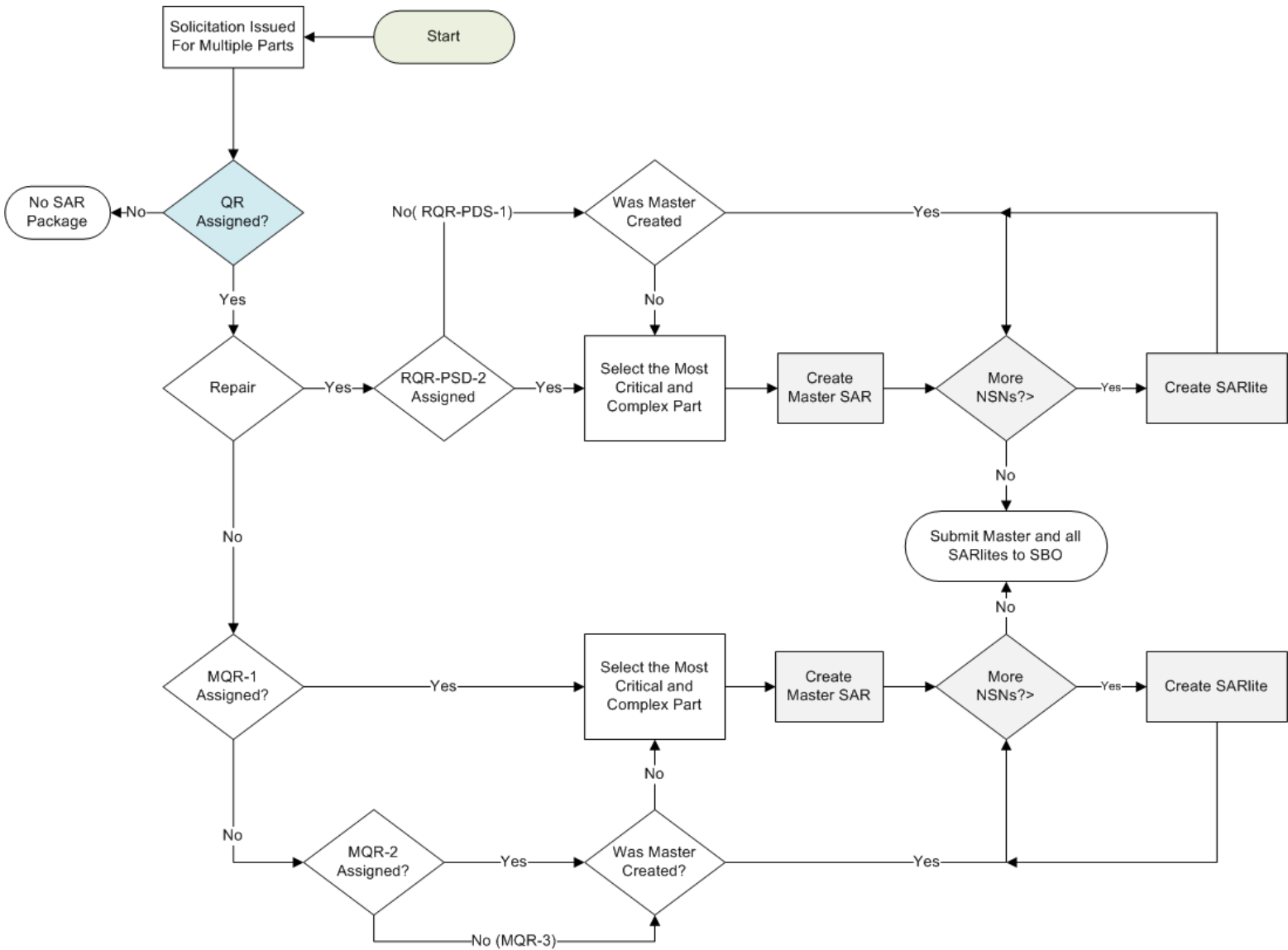
Elements (Tabs)	CSI	N/A	QWC1	QWC2	QWC3	QWC4	QWC6	QWC7 Other
A. Cover Letter		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
B. Technical Data Rights Certification Statement	◇	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
C. Supplier Brochure & Correspondence (Tooling List Only)		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
D. Quality Assurance Documentation	◇	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
G. Sub-Tier Supplier (Sub-Vendor) Information	◇	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
H. Quality History		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
J. Similarities/Differences of Subject/Similar Items		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
K. Purchase Orders & Shipping Documents <input type="checkbox"/> \$\$\$		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
L. Process/Operations Sheets & Travelers	◇	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
M. Inspection Method Sheets (IMS)	◇	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
N. Prime Contractor's Quality Rating System Report		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
O. License Agreement, If Applicable	◇	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Q. Government/Prime Contractor Surveys		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
T. Master Tooling Certifications	◇	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	
U. Government Quality Assurance Compliance	◇	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	
AA. ESA/OEM Approval Letter		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AB. Novation Letter		<input type="checkbox"/>					<input type="checkbox"/>	
Waiver			CSI					

- Proposed Provider submits required document per QWC selected
- CSI Requirement must be submitted if the item is a CSI



Alternate Source Process

Master SAR and SARlites





Master SAR Format

SAR(s) or Waiver(s) Packages

- 3 Ring binder or similar product
 - Table of Contents (TOC)
 - 21 A-U element tabs
 - Significantly reduces the turn-around time
 - Reduces Missing Data Request(s).
- Compact Disc (CD) in a .pdf file format.
 - single .pdf file with index to each element or a series of folders for each element.
- Third, Hybrid.
 - Combination of the physical paper and CD with .pdf files.
- Source Approval Request package should include
 - the qualification requirement call out order.
 - Quality Manual and supporting documentation
 Compact Disc (CD) in .pdf file format.
- Submitted to:
 - AFSC/SB
 - 3001 Staff Drive, Ste 1AG85A
 - Tinker AFB, OK 73145-3009

The Offeror shall retain copy until the qualification is expired.

ELEMENT	REQUIRED ELEMENTS	CAT I	CAT II	CAT III
A	COVER LETTER	■	■	■
B	TECHNICAL DATA RIGHTS CERTIFICATION STATEMENT	■	■	■
C	OFFEROR BROCHURE & CORRESPONDENCE	■	■	■
D	QUALITY ASSURANCE DOCUMENTATION	■	■	■
E	SUBJECT ITEM TECHNICAL DATA	■	■	■
F	SUBJECT ITEM SPECIFICATIONS	■	■	■
G	SUB-TIER SUPPLIER LIST	■	■	■
H	QUALITY HISTORY	■	■	■
I	SIMILAR ITEM TECHNICAL DATA		■	
J	SIMILARITIES/DIFFERENCES OF SUBJECT/SIMILAR ITEMS		■	
K	PURCHASE ORDERS & SHIPPING DOCUMENTS	■	■	■
L	TRAVELERS & PROCESS/OPERATIONS SHEETS (POS)	■	■	■
M	REPAIR PROCESS SHEETS AND / OR INSPECTION METHOD SHEETS (IMS)	■	■	■
N	PRIME CONTRACTOR'S QUALITY RATING SYSTEM REPORT	■	■	■
O	LICENSEE AGREEMENT (IF APPLICABLE)	■	■	■
P	VALUE ADDED (BY PRIME OR OEM)	■	■	■
Q	GOVERNMENT / PRIME CONTRACTOR SURVEYS	■	■	■
R	PRE-QUALIFICATION TEST PLANS (IF APPLICABLE)	■	■	■
S	TEST RESULTS (IF APPLICABLE)	■	■	■
T	MASTER TOOLING CERTIFICATIONS	■	■	■
U	GOVERNMENT QUALITY ASSURANCE COMPLIANCE	■	■	■



SARlite Format

SAR(s) or Waiver(s) Packages

- 3 Ring binder or similar product
 - Table of Contents (TOC)
 - Cover letter must state the Master SAR NSN
 - 8 Possible Element tabs
 - Significantly reduces the turn-around time
 - Reduces Missing Data Request(s).
- Compact Disc (CD) in a .pdf file format.
 - single .pdf file with index to each element or a series of folders for each element.
- Third, Hybrid.
 - Combination of the physical paper and CD with .pdf files.
- Source Approval Request package should include
 - the qualification requirement call out order.
 - Quality Manual and supporting documentation
- Compact Disc (CD) in .pdf file format.
 - All CDs should be scanned for viruses prior to inserting them in the GOV computer.
- All SARlite must be submitted within 10 working days from the Master SAR submittal
- Submitted to:
 - AFSC/SB
 - 3001 Staff Drive, Ste 1AG85A
 - Tinker AFB, OK 73145-3009

The Offeror shall retain copy until the qualification is expired.

ELEMENT	REQUIRED ELEMENTS	CAT I	CAT II	CAT III
A	COVER LETTER	■	■	■
B	TECHNICAL DATA RIGHTS CERTIFICATION STATEMENT	■	■	■
G	SUB-TIER SUPPLIER LIST	■	■	■
I	SIMILAR ITEM TECHNICAL DATA		■	
J	SIMILARITIES/DIFFERENCES OF SUBJECT/SIMILAR ITEMS		■	
K	PURCHASE ORDERS & SHIPPING DOCUMENTS	■	■	■
L	TRAVELERS & PROCESS/OPERATIONS SHEETS (POS)	■	■	■
M	REPAIR PROCESS SHEETS AND / OR INSPECTION METHOD SHEETS (IMS)	■	■	■

- The cover letter needs to have the following data
 - Company Name, Address, CAGE, POC, Company Size (Large or Small), Solicitation No. (if applicable), QR Identification, **Master SAR NSN**, all NSNs, PNs, & Nomenclature, SAR Submittal Category, ERRC code (if known), Type (Manufacture, Overhaul, Distributer (Manufacture), or Distributer (Overhaul)), and SAR package Inventory (Notebook, CDs, DVDs, or Sample parts).



SAR Evaluation



- Guidance:
 - AFI 20-106
 - JACG Aviation Critical Safety Item Handbook
 - JACG Aviation Source Approval and Management Handbook
 - AFMCI 23-113
 - **LPS OI 23-113**
 - AFLCMC/LPS Form 815
- Based on AFMCI 23-113
- Tailor LPS Form 815 to the QR
- Evaluation SAR Tabs A-U
 - Collect and Document Artifacts
 - Summary & Recommendations
- QR Determination



Tab A Cover Letter (All)

- The cover letter needs to have the following data
 - Company Name, Address, CAGE, POC, Company Size (Large or Small), Solicitation No. (if applicable), QR or QWC Identification, all NSNs, PNs, & Nomenclature, SAR Submittal Category, ERRC code (if known), Type (Manufacture, Overhaul, Distributer (Manufacture), or Distributer (Overhaul)), and SAR package Inventory (Notebook, CDs, DVDs, or Sample parts).
- Company's quality program description
 - AS9100 C or ANSI/ISO 9001:2008
 - Reviewing/Approving Organization
 - Expiration Date
- Relevant certifications
 - OEM,
 - National Aerospace and Defense Contractors Accreditation Program (NADCAP),
 - Government or DoD, such as casting/forging, plating, grinding of high-strength steel, NDI, etc.
- State Technical SAR Briefing can be provided upon request.
- State if destruction of all material submitted is allowed or if the materials are to be returned at the offeror's expense.

ALL



Tab B Technical Data

(Do Not Change the Main Text)

- This is a certification of rights to use technical data in the format provided below, signed on company letterhead signed by an **authorized binding company official**.
- This is a certification that the data were obtained by legal means and the company has the rights to use the data supplied in the SAR. (List all NSN that Apply)
- If proprietary data are involved, a statement from the owner of that data that conveys the rights to specifically use that piece of data must be provided.
- Site Survey May be required
- **NOTE:** This also applies to the use of data the Government possesses but does not have unlimited data rights to use in competitive repair.
- See QR Appendix A

ALL

TECHNICAL DATA RIGHTS CERTIFICATION LETTER Example

I am an officer and employee of the above name legal entity with the responsibility for investigating the facts upon which this certification is made. To the best of my knowledge and information obtained from my recent investigation:

I certify that the technical data submitted as a part of my company's request for approval as potential source for the purpose of obtaining a contract were obtained by legal means by my company, without breach of any contractual or confidential relations pertaining to said technical data by my company, its current or recent employees; and

I certify that my company, its current or recent employees did not obtain or receive any technical data marked with a company's proprietary rights legend or a Government limited rights legend from any U.S. Government's agency or employee or other third parties that were used in the preparation of or were incorporated into the request for approval or its supporting technical data other than as described herein; and

I certify that my company has the legal right to use said technical data to manufacture the below identified part for the United States Government. To the extent that said technical data are marked with a company's proprietary rights or a Government limited rights legend or are otherwise believed to be or have in the past been the proprietary data of another company, the following documents which are attached hereto and made a part of the certification have formed the basis for claiming legal right to use said technical data. Such documentation must clearly cover the data necessary for source approval.

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER THE TITLE 18, UNITED STATES CODE, SECTION 1001.

THIS CERTIFICATION APPLIES TO:

NSN _____ P/N _____

Note: If SAR package is for multiple NSNs, all NSNs, Part Numbers, Nouns must be listed. The list can be attached to the letter.

(signature) _____ (date) _____
(typed or printed name & title)

This document must be signed by the Company President or Owner.



Tab C Offeror Brochure



- Company Brochure or Website
- Synopsis outlining the applicant's
 - Process Capabilities
 - Facilities
 - Location or Address,
 - Number of buildings
 - Square Footage
 - **Equipment (Must Include List with Required Data)**
 - outline equipment Accuracy, Size, Capability and Precision
 - Experience
 - People
 - Years of Experience, Degrees and Certificates



Tab D Quality Assurance Documentation

- Synopsis outlining the applicant's
- If DoD Site Survey was conducted within the last 36 Month, State So
 - Provide the Approval Letter and Copy of the Site Survey Checklist in Tab Q
 - No additional data is Required
- If DoD Site Survey was not conducted, provide Quality Assurance System (QAS)
 - Provide Company's Quality Assurance Manual (QAM)
 - Catalog of the Subordinate Supporting Documentation
 - Highlight Procedures that cover quality assurance procedures, industrial resources control, material purchasing and Sub-Tier supplier (STS) .
 - Submit QAM and Subordinate Supporting Documentations (Will Be Retained)
- Certifications
 - AS9100 C, NATO AQAP-2070, or ISO 9001:2008
 - NADCAP for all Internal Processes
 - NDI Level III for Each Method
 - and Any Other Professional Certification
- Format
 - Electronic (PDF preferred) or Paper



Public Sales Office (PSO)



- PSO
 - Provides commercial customers a method to purchase engineering data directly from the ALCs data repository.
 - Requires the customer to register with FedBizOps prior to a purchase request.
 - submit a request for data or ask questions through the PSO email listed below.
 - Offers single or revolving account data purchase options.
 - Department of Defense policy mandates only the Data Custodian listed on the Military Critical Technical Data Agreement (DD Form 2345) is eligible to receive data.
 - NOT Freedom of Information Action (FOIA)
 - There is a Fee and it is Not Free



Tab E Subject Item Technical Data & Drawings



- Provide the EDL or RDL if available
- Provide a **DD Form 2345**
- For Manufacturing:
 - Provide Drawings (Current Front Page)
- For Repair:
 - Provide Technical Data (Current Front Page)
 - Disassembly and Assembly
 - Inspection and inspection intervals
 - Repair
 - Test



Tab F Subject Item Specifications

- For CAT I or III Subject Item SAR Packages
 - Complete Listing of All Applicable Specifications
 - Provide Readable Copy of Title Page
 - identified on the subject item technical data or drawings
 - latest revision
- For CAT II, Similar Item SAR Packages
 - Complete Listing of All Applicable Specifications
 - Provide Readable Copy of Title Page
 - identified on the **Subject and Similar** item technical data or drawings
 - latest revision
- For internal specifications,
 - Provide the Complete Document
 - identify the commercial equivalent specification



Tab G Sub-Tier Suppliers (STS)

- If no STS are used, state that all work is performed in house
- STS for (Provide Table as described Below)
 - CAGE
 - Raw material (castings and forgings)
 - Currently approved by the OEM or ESA or
 - Provide a rationale proving to the ESA that the casting or forging source is capable of manufacturing the replacement part to the equivalent or better OEM or ESA quality standards
 - Significant Processes Listed in Appendix B
 - Denoted as critical or non-critical
 - Names and addresses
 - State OEM, NADCAP or Government approved
 - **Submit official process certification**
 - Non-OEM or government approved Sub-Tier suppliers
 - Submit complete SAR Package for the repair source
 - Assembly (Government Approval Required)

If STS are used for manufacture or repair, enter data below: (Select all that apply)				Approved by:		Certifications		
CAGE	STS Name	Specification/Process	Critical	Prime/ OEM	DoD	AS 9100 C Exp Date	ISO 9001 :2008+ Exp Date	NADCAP Exp Date
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			



Tab H Quality History

- State If there is no quality history, else
- Provide a summary of all deficiency experienced and Material Review Board (MRB) actions for past 36 Months for all items
 - P/N, Nomenclature, Feature, Deficiency, Quantity, Date, and Corrective Action Taken and Completion Status
- Provide a summary of (including but not limited to) internal deficiencies, commercial deficiencies, FAA Service Bulletins, MRB items, Quality Reports and scrap rates
- Provide a summary of Deficiency Reports for the subject and/or similar item for all proposed STS
- Provide data relative to STS, actions and resolutions when applicable, on previous contracts



Tab I Similar Item Technical Data



- For Cat II SARs Only, (Same as Tab E.)
- Provide the EDL or RDL if available
- Provide a **DD Form 2345**
- For Manufacturing:
 - Provide Drawings (Current Front Page)
- For Repair:
 - Provide Technical Data (Current Front Page)
 - Disassembly and Assembly
 - Inspection and inspection intervals
 - Repair
 - Test



Tab J Similarities & Differences

- For CAT II SARs Only, **(Provide a Table)**
 - Identify the specific similarities and differences
 - Materials
 - Specification
 - Coatings
 - Design
 - Size
 - Dimensional Tolerancing
 - Industrial Processes
 - Operating Environment
- A **matrix comparison** is the preferred method



Tab K Purchase Orders & Shipping Documents

- Cat I or II, Provide at least one purchase order (PO) from the Prime, OEM, Gov't, Foreign Gov't, or Commercial Customer
 - Within 36 months for CSI and 84 months for CAI for item(s) submitted
 - **Remove financial \$\$ information and Circle dates**
 - Provide any contract amendments from the commercial customer(s) (CC)
 - If a contract was terminated, state the termination reason(s)
 - The PO should match the contract(s) list in Element L and M
- Cat III, provide at least one PO & Shipping documents (if applicable)
 - If the product or repair has never been provided, state it
 - Commercial customers or OEM sales Shipping documents should account for all contracted items



Tab L Process/Operation Sheets (POS/OPS) & Travelers



- Traveler, Routers or Work Control Documents
 - For Cat I packages, copies of the actual sheets used for the Subject item must be submitted
 - For Cat II packages, copies of the actual sheets used for the Similar item must be submitted and proposes Subject item Traveler(s) and POS/OP sheets .
 - For Cat III packages, proposed Traveler and POS/OP sheets must be provided.
- The data provided in this section should be for the same contract(s) as those provided in SAR Elements K and M. The data provided must be for the actual production event.
- Provide a detailed step-by-step account of the procedures necessary in the proper manufacturing or repair sequence
 - NAME and CAGE on Top of Each Page
 - For All Part Numbers Processed
- The sheets must indicate operation number, process description, tolerance (specification), location, **STS(s)**, software data file name, etc., necessary to control repair operations.
 - Must be signed and stamped off by in-process operator and/or inspector.
- A detailed proposed op sheets for subject item in order to demonstrate the proposing offeror's comprehension of the required processes.

Frozen for All CSI



Tab M Repair Process Sheets (RPS) & Inspection Method Sheets (IMS)



- Provide the RPS and IMS for the subject or similar item(s)
- This information should include the nomenclature, part number, characteristics inspected, special instructions, zone, tolerances and actual measurements, inspection tooling/method, frequency and inspector's stamp
- For Cat I, provide the actual RPS and IMS with actual Subject data.
- For Cat II, provide the actual RPS and IMS with actual Similar data and proposed Subject RPS and IMS .
- For Cat III, provide the proposed Subject RPS and IMS
- RPS and IMS may be included as an integral part of the POS/OP sheets in SAR Element L
- The data provided in this section should be from the same contract as in SAR Elements K and L.

Frozen for All CSI



Tab N Prime/OEM Quality Rating Sys Report

- Provide the proposing offeror's quality system report or rating from the Prime and/or OEM responsible for the subject item.
 - If no rating from the subject part Prime/OEM is available, an alternate or similar quality ratings from another Contractor or the Government should be submitted
 - Provide Report Explanation Sheet to including Rating
- If the company has not manufactured or repaired any item and thus no quality rating is available, state as such



Tab O Licensee Agreement (If applicable)



- Provide a copy of the licensee agreement between the proposed contractor and the Prime/OEM contractor must be provided, if the proposing contractor has such an agreement with the subject item Prime/OEM
- If an entire copy of LA cannot be provided, at a minimum provide a redacted portion showing the details about the MRB activity, data rights, configuration control and source control.

For Proprietary Data Only



Tab P Prime/OEM Value Added

- Provide a statement Identifying any value added provided by the Prime/OEM of the actual or similar item(s)
- Value added is considered any action, repair or inspection process, data, instructions, or equipment that is essential for the item, but is not documented in the technical data
- Examples of value added are:
 - Qualification of sources for forgings, castings, raw materials;
 - Use of tooling, fixtures, gages or inspection master hardware
 - Use of MPS, IMS, or other process related data not referenced on the part technical data or drawing(s) required for the item;
 - STS Quality assurance for significant processes
 - Licenses
 - Providing Technical Data
 - Process Certification(s)



Tab Q Government/Prime Surveys



- If there are none, state as such
- If applicable, provide a copy of the latest
 - Approval Letter
 - Survey Report (survey **or checklist**, findings, and corrective action status) performed by the Government, OEM, NADCAP, Prime or OEMs within the past seven years
- This section includes any available DoD technical evaluations of the proposing offeror's
 - capability
 - quality assurance procedures
 - industrial resources
 - material purchasing and
 - STS controls



SAR Mailing Address



- SARs should be submitted to:
 - OC-ALC/SB
 - Staff Drive, Ste 1AG85A
 - Tinker AFB, OK 73145-3009



Questions?



AIR FORCE LIFE CYCLE MANAGEMENT CENTER



U.S. AIR FORCE



References

- FAR Subpart 9.2 Qualification Requirement April 28, 2014
 - http://farsite.hill.af.mil/reghtml/regs/Other/Dlad/PART09.htm?zoom_highlight=9%2E2#P355_32621
- AFI 20-106 (SECNAVINST 4140.2) Management of Aviation Critical Safety Items (25 Jan 06)
 - http://static.e-publishing.af.mil/production/1/af_a4_7/publication/afi20-106_ip/afi20-106_ip.pdf
- AFMCI 23-113 Pre-Award Qualification of New or Additional Parts Sources and the Use of the Source Approval Request (SAR) (14 Dec 10)
 - <http://static.e-publishing.af.mil/production/1/afmc/publication/afmci23-113/afmci23-113.pdf>
- Aviation CSI Management Handbook (16 Mar 11)
 - <http://www.aviation.dla.mil/UserWeb/AviationEngineering/EngineeringSupport/Documents/AviationCSHandbook.pdf>
- Aviation Source Approval and Management Handbook (16 Mar 11)
 - <http://www.aviation.dla.mil/sbo/AVN%20Source%20Approval%20Handbook.pdf>
- AFLCMC/LPS OI 23-113
 - <https://org.eis.afmc.af.mil/sites/639acsg/LPS%20OIs/Forms/AllItems.aspx>



Codes

AMSC/RMSC/ERRC



AMSC/ RMSC	Description	AMSC/R MSC	Description
A	Data Right Questionable **	N	Manufacturing Requires Special Test a/o Ultra-Precision Quality
B	Source Control	O	No AMSC Code Assigned
C	Engineering Source Approval	P	Cannot Purchase Data Rights **
D	GOV Data or Rights not Physically Available	Q	No Adequate Data or Data Rights or Both **
E	Reserved	R	No Data or Rights from Additional Sources **
F	Reserved	S	Unclassified Military Sensitive Technology
G	Full and Open Competition	T	Reserved
H	No sufficient, accurate, or legible data to purchase from other then the current source **	U	No Projected Life Time Savings
I	Not Authorized	V	Formal High Reliability
J	Reserved	W	Reserved
K	Approved Class 1 Castings and Similar Forgings SAE-AMS2175 (MIL-STD-2175)	X	Not Authorized
L	Low Dollar Buy (Can only Used to Replace O)	Y	Unstable Design
M	Master Tooling or Coordinated Tooling	Z	Commercial/Non-developmental/off-the-shelf

Not Usable
 Not Assigned
 Waiver Required

Data Right Issues
 Qualification Requirement Development Possible



QR Determination

- Technical Data Package (TDP) Status
 - Drawings, Specification and Technical Data
 - Dictates the USAF Data Right Position
- Engineering issues either QR or Waivers
- AMSC/RMSC Code Selection
 - Based on the TDP (TDL/RDL)
 - No Data Rights
 - No QRs, Waiver Required
 - Few Exceptions
 - Data Rights (Either G or C)
 - C and V and sometime K and M Require QRs
 - G Full and Open Competition No QR Required



ERRC



	Expendable	Repairable	Condemnation	Level	Management/ Characteristics
C	XD1	YES	YES	DEPOT	Serialized Control and Reporting System
T	XD2	YES	YES	DEPOT	AF Recoverability Assembly Management System
P	XF3	YES	YES	INTERMEDIATE	Stock Fund (except munitions)
N	XB3	YES	NO	USER	Stock Fund (except munitions)
S	ND2	NO	YES	DEPOT	AF Equipment Management System
U	NF2	NO	YES	INTERMEDIATE	AF Equipment Management System

- See AFMAM 23-110



RQR-PSD-3

- Propulsion Engineering & SASPO Creates RQR-PSD-3
 - Market Research initiated New RQR Development
 - Removed SAR Cat III & IV as Options
 - No Data or Data Rights to Conduct SAR Evaluation
 - RQR-PSD-3 Application Requirements
 - FAR Part 12 (i.e. F108, F117 & T56)
 - Repair Method Suffix Code (RMSC): C, K and M
 - ERRC Code: C, P, S, T or U
 - Transfer Proprietary Data Requirement to Pre-Award Audit
 - Allowed Data Rights Certification Statement
 - Physical Audit at Site Survey
 - Proprietary Data Verification and Confirmation
 - Quality Management System Review
 - OEM Rating Examination
- In Coordination



Tab R PRE-QUALIFICATION TEST PLANS



- If testing is required, all proposed test plans necessary to completely qualify the part must be submitted for approval prior to beginning testing. Testing will be at the contractor's expense
- The pre-qualification test/inspection procedures proposed and independent test laboratories proposed to be used have to be identified by Name, CAGE, address and telephone number
- Test requirements are part specific

CAT IV ONLY



Tab S PRE-QUALIFICATION TEST RESULTS



- If testing has already been conducted, provide part specific test results. If testing has not been conducted, comply with element R.

CAT IV ONLY



Tab T MASTER TOOLING CERTIFICATION



- State if no master tooling or calibration is required.
- Provide proof of calibration for all equipment/tooling requiring calibration
- Provide certification of access to and the right to use any required master tooling, special tooling/test equipment, mylars (stable base drawings), glass layout, and loft data/contour data as applicable to the latest item technical data or drawing required for repair



Tab U GOV'T QA COMPLIANCE



- Provide a statement that the prospective offeror will comply
 - with all government imposed quality assurance provisions, testing requirements, etc.
 - as identified in the solicitation or contract for the subject item.



Tab V FAA Certification



- If purchase orders and shipping documents for sales to/from PMA holder and actual manufacturer of PMA part were provided, include the FAA letter or supplement
- The FAA PMA letter, method of approval and documentation provided to and from the FAA should describe the basis of the FAA's PMA approval and show applicability to the subject item platform and model

CAT IV ONLY



Tab W ALTERNATE ITEM PURCHASE ORDERS



- Include the original source component purchase orders and certificates of conformance for the actual manufacturer components used to derive alternate item source design

CAT IV ONLY



Tab X STATISTICAL DATA



- Include the statistical data from the actual manufacturer components used to derive alternate item source design.
- If the part is in production, provide the statistical control data.

CAT IV ONLY



Tab Y REVERSE ENGINEERING MNGT PLAN



- A reverse engineering management plan must be provided which describes the approach used to develop the specifications.
- The plan must describe all aspects of the proposed reverse engineered design, materials, critical characteristics, critical inspection processes, and critical manufacturing processes to satisfy requirements and how these were derived.
- Note: If the proposed source has not begun a reverse engineering effort, the source should provide the reverse engineering management plan prior to submittal of the SAR package.

CAT IV ONLY



Tab Z ALTERNATE APPLICATION ENVIRONMENT



- Provide commercial operating mission
 - Environment
 - Weight,
 - Safety assessments

CAT IV ONLY