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# SWPF Supplier Evaluation & Oversight

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Dave Tuttel  
ISM Champions Workshop  
Director Quality Assurance, Parsons  
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- **Dave Tuttel**
- Thirty years Quality Assurance and Quality Control experience in the Commercial Nuclear and Department of Energy nuclear facilities. Current position of Parsons Director of Quality Assurance for the Salt Waste Processing Facility at the Savannah River Site. Masters degree in Management and BS degree in Management. Served as Co-Project Manager for the DOE-EM QA Improvement Project and Vice Chair of the EFCOG QA Subgroup, and member of the NQA-1 subcommittee for Engineering and Procurement Processes.

- Flow down Requirements
  - NQA-1-2004, Part I and Part II, Subpart 2.7 (as applicable)
  - Buy American Act
  - Suspect/Counterfeit Items
- Resident Inspectors
  - Possibility for suppliers whose performance does not meet expectations
  - Unfettered right of access
- Hold & Witness Points
  - Enhanced supplier understanding
  - More detailed and defined expectations
- Supplier Acquisition Planning
  - Commercial Grade Dedication per NQA-1-2004, Requirement 7, Section 700
  - Procure from NQA-1-2004 qualified suppliers
- Access Requirements
  - Right of access for Parsons, its subcontractors and teaming partners, and DOE
- Supplier Grading

- Scope
  - Evaluated to the applicable requirements of NQA-1-2004, Part I and Part II, Subpart 2.7 (per project contract)
  - Utilize a NQA-1-2004 checklist
  - Developed “Applicability Matrix” for flexibility of sections 200-900
- Team Approach
  - Applicable Engineering Disciplines, Weld Engineering, QA, appropriate Subject Matter Experts (SME), NDE Certified Level III Inspectors
- Evaluation Team Composition
  - Lead Auditor; 1-2 additional QAEs; 1 or more SMEs; 1 or more Engineers
- Evaluation Duration
  - Whatever is necessary to determine the adequacy, effectiveness, and implementation of the supplier’s QA program
  - Typically, minimum of 4 days depending on scope

- Best Value in lieu of Low Price/Technically Acceptable
  - Allows for adequate competition
  - Not totally dependent on cost
  - Establishes more of an “even playing field”
  - LP/TA – *“You Get What You Pay For”*
- Formal Evaluation Process
  - Involves all applicable functional areas in the pre-planning
  - Formal Request for Proposal with specific submittals prior to award
  - Documented technical and quality evaluations
  - QA facility Supplier Evaluation of the top candidate (PL-2, as requested for PL-3)
  - Request for Best and Final Offer
  - Award based on “Best Value”, which may not be the lowest cost
- Sr. Management Involvement (Procurement, Engineering, Construction, QA) from “cradle to grave”

# Supplier Oversight Plans (SOP)

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- Formally Documented and Procedure Driven
  - Required for high risk (critical) procurements
  - Defines additional activities planned to assure successful completion of the contract
- SOP Elements
  - Establishing frequency of supplier shop reviews
  - Determining technical representatives and SMEs
  - Determining frequency of quality and technical rotation
  - Verification of flow down to subtier suppliers of the Prime
  - Special considerations/reviews for fabrication welding processes
  - Increased shop oversight by applicable SMEs at the beginning of design and fabrication
- Oversight/Representation
  - Engineering/Construction/Fabrication Oversight
  - Weld Engineering Oversight
  - Resident Inspector surveillance function/duties
  - QA/QC Oversight
  - NDE Oversight

# Supplier Assessment Plans (SAP) PARSONS

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- Identification of Hold and Witness Points
  - Per the applicable engineering and quality specification requirements
  - QA selected, such as the release for shipment
  - Code required, such as B31.3, ASME Section III, etc.
  
- Directly linked to Purchase Order Requirements
  
- Identification of sampling requirements
  - Based on ASME Z1.4
  
- Responsibility of the Resident Inspector to ensure supplier compliance with SAP requirements

- Final Quality Data Package Review
  - Includes records required by the procurement documents, as applicable:
    - Certificate of Conformance (C of C),
    - Completed fabrication travelers,
    - Material certifications,
    - Inspection records,
    - Test records,
    - NDE records (including radiographs),
    - Weld maps,
    - As-built drawings,
    - Nonconformance Reports (NCRs),
    - Supplier Deviation Requests (SDR),
    - Signature log
  - Reviewed for acceptance by the QA Representative prior to authorizing shipment release (Hold Point)

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