Nadcap Customer Support Initiative (NCSI) for Newcomers
NCSI Goals

• Educate individuals unfamiliar with the Nadcap process:
  ▪ Nadcap – How it works
  ▪ Tools and resources available

• Increase awareness of expectations and requirements in order to:
  ▪ Reduce the average number of nonconformances (NCR’s)
  ▪ Reduce cycle time (time from audit to accreditation)
  ▪ Increase number of Suppliers on Merit program
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NCSI Agenda

• Introduction to PRI and Nadcap
• The Nadcap Audit Process
• Preparation Steps
• During the Audit / Post Audit
• Web Tools & Additional Information
PRI is a **not-for-profit** affiliate of SAE International

PRI administers the Nadcap special processes accreditation program and PRI Registrar on behalf of its Subscribing Members and industry

Nadcap created by aerospace Original Equipment Manufacturers (OEMs or Primes) to provide *supply chain oversight* and ensure *regulatory compliance*

Nadcap uses audit management software created and maintained in-house by PRI Informatics Solutions (eAuditNet)

Complementary programs, tools, and professional development services created by PRI to support Nadcap
Nadcap Defined

- The leading, worldwide cooperative program of major companies designed to manage a cost effective consensus approach to special processes and products and provide continual improvement within the aerospace industry.
Nadcap Subscribers

- OO-ALC – Hill AFB
- Heroux Devtek Inc.
- MTU Aero Engines
- Israel Aerospace Industries
- Triumph Aerospace
- Bombardier
- MD Helicopters
- Hamilton Sundstrand
- DCMA
- Rolls-Royce plc
- Latecoere
- Air Force, WPAFB
- Pratt & Whitney
- Hawker Beechcraft
- BAE Systems
- Honeywell Aerospace
- Parker Aerospace Group
- Rockwell Collins
- General Dynamics
- The Boeing Company
- Spirit AeroSystems
- Liebherr-Aerospace SAS
- Rolls-Royce Corporation
- AVIO S.p.A
- Sikorsky Aircraft
- EADS CASA
- GE Aviation
- Alenia Aeronautica SpA
- GSA
- Ball Aerospace & Technology Corp.
- BAE Systems – MAS
- Lockheed Martin
- Eurocopter
- EADS Defence & Security
- Raytheon Company
- AIRBUS
- SONACA
- Thales
- SAFRAN Group
- EADS Astrium
- Cessna Aircraft Company
- Northrop Grumman Corporation
- Bell Helicopter
- Volvo Aero Corp.
- Goodrich Corporation
PRI/Nadcap Organizational Structure

Executive Leaders
- Legal Entity
- Fiduciary
- Set Policy
- Provide the Vision

PRI Board of Directors

Policy
# PRI Board of Directors

**Chair: David Handley – BAE Systems**

- GE Aviation
- The Boeing Company
- Honeywell Aerospace
- BAE Systems (Operations) Ltd.
- Northrop Grumman Corp.
- Bombardier
- Snecma
- Rolls-Royce plc

- United Technologies Corporation
- PRI (Serving as the Secretariat)
- SAE
- Ishikawajima-Harima Heavy Industries Co.
- EADS
- Goodrich Corporation
- Aviation Industry Corporation of China
PRI/Nadcap Organizational Structure

**Policy**

**Strategic**

**PRI Board of Directors**

**Nadcap Management Council (NMC)**

**Senior Quality Leaders and Managers**
- Oversee operation of Nadcap
- Establish & implement policy & procedures
- Task group coordination & development
- Identify, develop and deploy improvement
Nadcap Management Council (NMC)- Supplier Voting Members

Corwyn Berger (MTL)  
Exova, Inc.

Michael Brandt (HT)  
Alcoa Inc.

Mark Brown (AQS)  
Braddock Metallurgical Group

Robert Custer (NDT)  
AAA Plating & Inspection

Miguel Gerdel (COMP)  
Thermal Structures Group

Eric Jacklin (SSC)  
FM Callahan & Son

Dave Jones (NMSE)  
Nex-Tech Processing Inc.

Dave Michaud (CP)  
Fountain Plating Company

Michael Schleckman (WLD)  
Voss Industries, Inc

Vern Talmadge (CT)  
Howmet Thermatech Coatings

Each Nadcap Task Group has a Supplier Voting Member Representative, that holds full voting privileges at the NMC level.
Mission: Our goal is to represent the supplier community and work with the Nadcap Management Council (NMC) to enhance the **effectiveness** and **economical value** of the Nadcap system for the **mutual** benefit of suppliers and subscribers.

SSC Programs/Activities:

- **Mentoring Program** - Dedicated to assisting those Suppliers who are new to the process and/or those needing assistance with navigating through the Nadcap system by providing names and contact information of experienced Nadcap Suppliers. If you would like to work with a Mentor, please send an email to NadcapSSC@sae.org.
- **Supplier Survey** – Biennial Customer feedback survey
- **SSC Task Group Representatives** - Act as a liaison between the SSC and the Task Group and can advise you on Task Group related inquires.

Nadcap Meeting Supplier Support:
The SSC sponsors several face-to-face sessions at the Nadcap meetings. The Supplier Orientation & Tutorial provides an overview of the Nadcap program, presented by a Supplier; the SSC meeting is a forum for discussion and report-out on important issues for Suppliers; and there is also an informal Question & Answer session where you can meet PRI Staff. Check the meeting agenda for details.

*If you would like to receive any additional information on SSC activities, please email NadcapSSC@sae.org.*
Supplier Support Committee Leadership Team (SSC LT)

- **Stephane Chaumeil**, Europe Rep
  - UITS – Galion

- **Eric Jacklin**, SSC LT Chairperson
  - F.M. Callahan & Son Inc.

- **Suzanna DeMoss**, Americas Rep
  - Advance Chemistry & Technology

- **Dave Jones**, Americas Rep
  - Nex-Tech Processing

- **Paul Evans**, Europe Rep
  - JFIMS

- **David Michaud**, Past Chair Advisor
  - Fountain Plating Co

- **Sarah Fuqua**, Secretary
  - Kearfott Corporation

- **Yoshiomi Suksesada**, Asia Rep
  - Asahi Kinzoku Kogyo Co. Ltd
PRI/Nadcap Organizational Structure

Policy

Strategic

Tactical

PRI Board of Directors

Nadcap Management Council (NMC)

Nadcap Task Groups

Technical Experts
- Determine Requirements
- Develop Documents
- Accept Corrective Action
- Final Decision on Accreditation
PRI/Nadcap Organizational Structure

PRI Board of Directors

Task Groups
Special Processes
• Chemical Processing
• Coatings
• Conventional Machining as a Special Process
• Heat Treating
• Materials Testing
• Nonconventional Machining Surface Enhancement
• Nondestructive Testing
• Welding

Systems & Products
• Aerospace Quality Systems (AQS) - AC7004
• Composites
• Non Metallic Materials
• Electronics
• Fluid Distribution Systems
• Sealants, Elastomer Seals

Nadcap Management Council (NMC)

Administrative Staff

Supplier Support Committee
NCSI Agenda

• Introduction to PRI and Nadcap

• **What is a Nadcap Audit?**

• The Nadcap Audit Process

• Preparation Steps

• During the Audit / Post Audit

• Web Tools & Additional Information
What is a Nadcap Audit?

• A thorough assessment for compliance to Nadcap checklist and customer requirements
  ▪ Conducted by an expert in the commodity
    ➢ Chosen by the Task Group

• Audit is not a Quality Systems Audit!
  ▪ Technical audit focused on the specific commodity requirements
  ▪ AQS related aspects only specific to the commodity e.g. review of calibration requirements for NDT equipment
General Focus Audit

**Calibration:**
Does the supplier define the process employed for the calibration of inspection, measuring and test equipment type, unique identification, location, frequency of checks, check method, acceptance criteria and the action to be taken when results are unsatisfactory?

- **NDT**
- **Heat Treating**
- **Chemical Processing**

Technical Focus Audit

**Calibration:**
- Are the FPI dryer ovens calibrated every three months at multiple points across the usable range?
- Are furnaces used for heat treating Aluminum parts surveyed at the required tolerance and temperature range?
- Is measuring and test equipment used to control or monitor the control of a process (within parameters) maintained in a calibration system compliant with ISO10012-1? (I.e. temperature gages, conductivity meters, voltmeters, rectifiers)

- **NDT**
- **Heat Treating**
- **Chemical Processing**
**Checklists - Core**

**Checklists** – Contain questions derived by the Commodity Task Group to assess supplier’s ability to meet Nadcap requirements.

- **Core checklist (AC7XXX)**
  - General questions associated with the specific commodity that everyone must meet
    - E.g. Calibration control, training, traceability, reporting
# Checklists - Core

## Checklists Details

<table>
<thead>
<tr>
<th>Audit Criteria</th>
<th>Version</th>
<th>Issued Date</th>
<th>Revised Date</th>
<th>Superseding Version</th>
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<td>2011-03</td>
<td>AC7114 Rev D</td>
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<td>2009-06</td>
<td>AC7108 Rev C</td>
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<td>Nadcap AUDIT CRITERIA FOR CHEMICAL PROCESSING</td>
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<td>AC7110 REV D</td>
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<td>TO BE USED ON AUDITS ON OR AFTER APRIL 4, 2010</td>
<td>Nadcap AUDIT CRITERIA FOR WELDING/ TORCH AND INDUCTION BRAZING</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Checklists – Slash Sheets

- Checklists-
  - Slash sheet checklist (AC7XXX/X)
    - Focused checklist on a specific method within the commodity. Slash sheet checklist also requires compliance to the core checklist (AC7XXX)
# Checklists – Slash Sheets

<table>
<thead>
<tr>
<th>Audit Criteria</th>
<th>AC7114 REV. E</th>
<th>AC 7108 REV. D</th>
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| TO BE USED FOR AUDITS ON OR AFTER JUNE 12, 2011 | Issued 1997-07  
Revised 2011-03  
Superseding AC7114 Rev D | Issued 1995-01  
Revised 2005-6  
Superseding AC7108 Rev C |

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<th>AC7108/1 REV. A</th>
<th>AC7108/2 REV. B</th>
</tr>
</thead>
</table>
| Issued 1997-07  
Revised 2011-03  
Superseding AC7114/1 Rev D | Issued 1995-01  
Revised 2006-10  
Superseding AC7108/1 | Issued 1997-07  
Revised 2011-01-07  
Superseding AC7108/2 Rev A |

| AC7114/2 REV. E | AC7108/3 REV. A | |
|-----------------|-----------------||
| Issued 1997-07  
Revised 2011-03  
Superseding AC7114/2 Rev D | Issued 2004-12  
Revised 2010-7  
Superseding |
Checklists - Supplements

• Checklists-
  ▪ Supplemental checklist (AC7XXX / X S)
    ➢ Contain unique requirements specific to a Subscribing Prime taken from Subscribing Prime specifications
      ✓ Key Requirements – NOT ALL
      ✓ Question is related to the checklist (core or slash sheet), but more stringent, never less than
Checklists - Supplements

• Checklists -
  ▪ Supplemental checklist (AC7XXX / X S)
    ➢ Not all commodities use supplements
    ➢ Supplier is still required to meet Subscribing Prime specifications
    ➢ Subscribing Primes identified as U numbers, e.g. U1 – Honeywell Aerospace
Begin the Process: Initial Steps

- Register in eAuditNet ([www.eAuditNet.com](http://www.eAuditNet.com))
- Contact PRI Scheduling
  - Complete a preliminary questionnaire and return to Scheduling
  - PRI issues a quote detailing audit length and cost
  - Once registered as an eAuditNet user you have access to Nadcap checklists
- Schedule Audit
- Prepare!
Nadcap eAuditnet Process - Reaccreditation

1. Supplier Receives Accreditation
2. Reaccreditation Audit Scheduled
3. Suppliers Verifies Audit Date and Scope
4. Auditor Assigned
5. Audit Completed
6. PRI Technical Staff Review
7. Task Group Approval
8. Accreditation

Process Flow:
- Supplier Receives Accreditation
- Reaccreditation Audit Scheduled
- Suppliers Verifies Audit Date and Scope
- Auditor Assigned
- PRI Technical Staff Review
- Task Group Approval
- Accreditation
- Audit Completed
Automatic Scheduling

• When the Task Group grants Nadcap accreditation for a company, eAuditNet is updated and the accreditation is listed on the online Qualified Manufacturers List (QML)

• At the same time, the next Nadcap accreditation audit (reaccreditation) for the same commodity will be automatically scheduled by eAuditNet. 85% of audits are auto-scheduled!

• Please verify the dates and contact the Scheduling Department within 21 days of any changes. – IMPORTANT, a reminder will NOT be sent
Automatic Scheduling – More Details

- When an audit is auto-scheduled, it may be necessary to accept the Supplier Agreement and designate if there is ITAR and/or EAR (EC-LR/Restricted) work involved
  - Log onto eAuditNet, click on Supplier Audits. Under “Agreements Accepted” a list of audits where agreements are not accepted will appear. Click on “Accept Agreement” and complete the acceptance
  - Under ITAR/EAR, select “Specify” for the audit which needs the Export Control Status designating and indicate ITAR/ and or EAR (EC-LR/Restricted) status accordingly
- The designation of the ITAR/EAR status must be completed prior to every audit. REMINDERS WILL BE SENT!
Nadap Procedures

- **AS7003 – Nadcap Program Requirements**
  - Aerospace Standard which documents the requirements for implementing Nadcap industry consensus-based accreditation programs

- **Quality Manual – Performance Review Institute Quality Process**
  - PRI Quality System requirements

- **NOP – Nadcap Operating Procedure**
  - Documents detailing the specific procedures by which Nadcap operates. These documents are administered by PRI, and are approved by the Nadcap Management Council. Example; Audit Failure, Supplier Merit, Supplier Advisories, etc

- **NTGOP – Nadcap Task Group Operating Procedure**
  - Documents developed by PRI describing the scope and general operating procedures for each specific PRI/Nadcap commodity program. These documents are approved by the Task Groups

- **NIP – Nadcap Internal Procedure**
  - Document detailing specific procedures by which PRI/Nadcap Staff operates. These documents are in accordance with Nadcap Operating Procedures and administered by PRI. Example; Balloting; audit report processing; pre-assessment audits, etc
Procedural Hierarchy

Order of Precedence

- AS7003
- NOP
- NTGOP
- NIP
- QUALITY MANUAL

Forms → Processes
www.eAuditNet.com
- Resources/Documents/Public Documents
  - Change of address/Contact sheet (t-form-11)
  - eAuditNet Supplier Guide & Pre & Post-Audit Tutorials
  - Audit Handbooks
  - Miscellaneous Task Group reference and training documents such as Task Group Meeting / Symposium presentations, Rolling Action Item List (RAIL), Pyrometry Reference Guide, etc
- Nadcap Procedures and Forms
- Checklists

www.pri-network.org
- Nadcap, Supplier Info
  - SSC page – Purpose, mentoring, what happens at SSC meetings and more
  - PRI/Nadcap - Supplier Perspective
  - eAuditNet – For Suppliers
  - Professional Development – eQuaLearn Training Courses

Check both sites often – updates made frequently
Export Controlled* Materials and Information

• The US government has determined that certain **products**, **processes** and **technical information** must be controlled.

• The documents which control this are:
  - ITAR – International Traffic in Arms Regulation
  - EAR – Export Administration Regulations

• Exports can occur by seeing or discussing controlled material in addition to obtaining copies of the material

*Throughout this presentation reference to “restricted items", refers to materials, products, technical data, software, and technology which require licensing or to which other restrictions apply as per the ITAR or EAR regulations.
Export Controlled Materials & Information

- NIP 7-07 is the procedure that address Export Control in the Nadcap process

- The Nadcap process uses both Unrestricted and Restricted personnel (auditors and Staff Engineers) on Nadcap audits

- Unrestricted auditors are either US citizens or green card holders
  - US citizen auditors (Unrestricted) are allowed access to EC-LR materials anywhere in the world without a license

- Restricted auditors are all others
  - Restricted auditors are not allowed access to EC-LR/Restricted materials anywhere in the world unless they are listed on a license

- Suppliers must know the status of the PRI personnel & keep any Export Controlled material away from Restricted/Unlicensed personnel
  - Auditor status can be found in eAuditNet next to auditors name for assigned audit
  - Best way to determine the rest of PRI Staff status is to ask them
Supplier Responsibilities

• Determine whether you have material, products, technology or information which requires a license or is otherwise restricted by the ITAR or EAR.

• Contact your customers to be certain.

• If you have product, information or any other materials restricted by the ITAR or EAR, you must indicate such by answering the ITAR/EAR question “YES” after accepting the supplier agreement when the audit is scheduled. This alerts PRI Scheduling as to whether ITAR/EAR controlled work exists – and guides the assignment of the auditor.
Supplier Responsibilities (Cont.)

- General information on Export Control can be found in eAuditNet (Public Documents) and on the Supplier page of the Nadcap website (www.pri-network.org)

- Suppliers cannot post or reveal any technical details on EC-LR/Restricted parts in response to any findings in eAuditNet including attachments
NIP 7-04 Accreditation Term

- Supplier term of accreditation begins in conjunction with the audit date, not the issue date of the certificate.
- Accreditation terms are tied to the Nadcap quarterly cycles
- Reference NIP 7-04 (available on www.eAuditNet.com)

<table>
<thead>
<tr>
<th>Audit Month</th>
<th>Accreditation Expiration</th>
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<tbody>
<tr>
<td>September, October, November</td>
<td>January 31</td>
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<tr>
<td>December, January, February</td>
<td>April 30</td>
</tr>
<tr>
<td>March, April, May</td>
<td>July 31</td>
</tr>
<tr>
<td>June, July, August</td>
<td>October 31</td>
</tr>
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</table>
NOP-008 Supplier Merit

- The Supplier Merit Program awards reduced scope and/or extended frequency audits to suppliers based on length of participation as a Nadcap Accredited supplier, number and severity of recorded nonconformance's, and supplier cycle time.

- A supplier undergoes a minimum of three audits (one initial and two reaccreditation audits) before 18 month accreditation may be considered.

- Following two audits with an 18 month frequency, 24 month extended frequency may be considered.

- Each Task Group shall reach consensus on supplier’s eligibility for participation in the Supplier Merit program.

- Supplier merit is visible on the QML.
# Supplier Merit Table

<table>
<thead>
<tr>
<th></th>
<th>18-Month Criteria</th>
<th>24-Month Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of audits</td>
<td>2nd Reaccred Audit</td>
<td>2 Consecutive 18-month accreditations</td>
</tr>
<tr>
<td>No Non-Sustaining Corrective Action</td>
<td>Current and 1 previous audit</td>
<td>Current and 1 previous audit</td>
</tr>
<tr>
<td>No Verification Corrective Action (VCA) Audits</td>
<td>Current and 1 previous audit</td>
<td>Current and 1 previous audit</td>
</tr>
<tr>
<td>No Product Escapes or Type P/C Supplier Advisories*</td>
<td>Current and 1 previous audit</td>
<td>Current and 1 previous audit</td>
</tr>
<tr>
<td>Cumulative Supplier Delinquency</td>
<td>No more than 14 Days</td>
<td>No more than 7 Days</td>
</tr>
<tr>
<td>Number of Findings</td>
<td>N/A</td>
<td>No Major NCRs</td>
</tr>
<tr>
<td>Other</td>
<td>Any justifiable reason identified by Task Group</td>
<td>Any justifiable reason identified by Task Group</td>
</tr>
</tbody>
</table>

*Supplier Advisories – ref NOP-006  
Type P = Potential Impact, Type C = Confirmed Product Impact
Metric: Supplier Merit Status

Number of Supplier/Commodities

Percent Eligible on Merit

Not Eligible for Merit

On Merit

Eligible but Not On Merit

Percent Eligible on Merit


835  846  840  870  878  890  876  885  896  878  862  857  843  828  701  695  693  703  710  698  680  681  683  666  673  679  655  638

81%  81%  82%  82%  82%  82%  82%  83%  83%  84%  84%  83%  84%  84%  10%  20%  30%  40%  50%  60%  70%  80%  90%  100%

0  1000  2000  3000  4000  5000  6000  7000

0%  10%  20%  30%  40%  50%  60%  70%  80%  90%  100%

Nadcap®
NOP-011 Failure Policy

- Modes of Failure:
  - A - Supplier stops audit
  - B – Excessive number of findings
  - C - Severity of findings
  - D - Too many review cycles to complete
  - E – Nonresponsiveness by Supplier

- Criteria are **not** automatic failure points.

- Only 3% of all audits conducted in 2010 resulted in failure.

- Specific criteria determined by Task Group and listed in NOP-011 appendix.
# NOP-011 Failure Policy

Criteria Samples

<table>
<thead>
<tr>
<th>MTL</th>
<th>CAP:</th>
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<tbody>
<tr>
<td></td>
<td># of NCRs per Audit Days</td>
</tr>
<tr>
<td>Majors</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>12</td>
</tr>
<tr>
<td>Reaccred:</td>
<td># of NCRs (if applicable)</td>
</tr>
<tr>
<td>Majors</td>
<td>10</td>
</tr>
<tr>
<td>Total</td>
<td>60</td>
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<table>
<thead>
<tr>
<th>NDT</th>
<th>CAP:</th>
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<tbody>
<tr>
<td></td>
<td># of NCRs per Audit Days</td>
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<tr>
<td>Majors</td>
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<tr>
<td>Total</td>
<td>7</td>
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<tr>
<td>Reaccred:</td>
<td># of NCRs (if applicable)</td>
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<tr>
<td>Majors</td>
<td>21</td>
</tr>
<tr>
<td>Total</td>
<td>27</td>
</tr>
</tbody>
</table>

|     | # of NCRs per Audit Days | Failure Threshold % (95-98) |     |
| Majors | 1 | 2 | 3 | 4 | 5 |  | |
| Total   | 4 | 8 | 12 | 12 | 12 | 99% | |
| Reaccred: | # of NCRs (if applicable) |
| Majors | 12 |  |  |  |  |  | |
| Total   | 18 |  |  |  |  |  | |
NOP-011 Failure Policy Criteria Samples

If an audit meets criteria:
• Per NOP-011 PRI Staff notifies the Commodity Task Group via Audit Failure Ballot. Task Group will review and determine if the audit review process should be stopped and the audit failed.

If an audit is failed:
• Company must wait a minimum of 90 days from the date of failure in eAuditnet before another audit will be conducted.
• Company must demonstrate corrective actions to the auditor on site at the time of the new audit.
Metric: Audit Review Cycle Time - Initial

Initial Accreditation Cycle Time, Days

Initial Max
Initial Min
Initial Average

2010 year end goal - 50
2011 year end goal - 50
Metric: Audit Review Cycle Time - Reaccred

- **2010 year end goal - 50**
- **2011 year end goal - 50**

Re-Accreditation Cycle Time, Days

- Reaccred Max
- Reaccred Min
- Reaccred Average
Agenda

• Introduction to PRI and Nadcap
• The Nadcap Audit Process
• **Preparation Steps**
  • During the Audit / Post Audit
• Web Tools & Additional Information
Relationship Between Audit Documents

Industry Standards & Prime Customer Requirements

AC7XXX AUDIT CRITERIA + Job Audits

AUDIT HANDBOOK (if available)
    Clarify Instructions and
    Prime (Customer) specification requirements

Obtain and download the audit checklist and audit handbook PRIOR to your audit!
Quality System Approval

• Before receiving a Nadcap special process accreditation, the company quality system must be approved:

• Nadcap recognized quality systems approvals:
  
  ▪ AS/EN/JISQ 9100 and AS/EN 9110 quality system approvals performed by approved registrars - listed in the IAQG OASIS database (www.iaqg.org/oasis). Some Product groups require AS9100
  
  ▪ ISO/IEC 17025 for testing laboratories (AC7101), must cover the Nadcap scope of accreditation and be from an approved ILAC accreditation body

• If you have neither of these, you will need a Nadcap AQS audit to AC7004 or AC7006 (labs) to support the special process accreditation

• Refer to NOP-002 in www.eAuditNet.com
Quality System Approval (Cont’d)

• Suppliers scheduling an initial Nadcap audit shall provide PRI a recognized quality system certification valid through the last day of the scheduled process audit prior to the time the audit is entered into eAuditNet or an AC7004 assessment audit shall be scheduled, unless TG requires more than AC7004.

• For reaccreditation audits, where no existing recognized quality system approval exists, Suppliers shall have two options:
  - a minimum of 90 days prior to the audit start date schedule an assessment to AC7004, unless TG requires more than AC7004.
  - provide PRI a valid Quality System accreditation certificate no later than 60 days following the end of the Nadcap audit.

• Suppliers failing to provide a valid quality system accreditation certificate to PRI by this date shall have the process audit automatically failed without further notice.
Job Audit

- A job audit is a **step by step review of the special process on actual hardware** evaluating how the customer requirements are met, using the Nadcap checklists.

  - Each special process family will have a certain number of job audits to be witnessed. Each Task Group has their own requirements, be sure to review the audit checklist for specific details.

- Schedule the Nadcap audit when able to perform as many of the job audits as possible.

  - Work with the scheduling department (internal and PRI)
  - Can affect scope of the accreditation
  - Paper audits may be used but **only** when **absolutely necessary and as agreed by the Task Group**

**NOTE:** If clarification is needed, contact the Staff Engineer
Common Findings

- **Job Audits**
  - Customer flowdown
  - Lack of shop discipline – inform your personnel!
  - Lack of documentation/Objective evidence
  - Data transfers

- **Processes requiring approvals not approved** (i.e., NDT Techniques or other frozen process)

- **Specification compliance** (i.e., frozen process doesn’t meet specification or AMS 2750 compliance)

- Parts cleaning not in accordance with requirements

- Testing including periodic
Common Findings

Common findings refers to Non Conformance Reports (NCR’s)

• AQS
  ▪ Purchase orders not containing all the necessary information
  ▪ Calibration issues (certificates, methods used, etc)
  ▪ Lack of document control (wrong revision levels)
  ▪ Lack of follow-up on corrective actions
  ▪ Internal audits not being performed per schedule

• CP
  ▪ Shop paperwork missing information (part, test piece requirements, etc.)
  ▪ Solution Analysis (log sheet, reviews)
  ▪ Process Observations (operator compliance issues; solutions not at correct temperature when processing, plating current is not equal to the required current, Paint is not mixed for required time, etc.)
Common Findings

- **COMP & NMMT** *(Data available on eAuditNet via Meeting presentation folder)*: Top nonconformances by checklist paragraph are included in the Staff Report that is posted on eAuditNet after each Nadcap meeting under the Composite and Non Metallic Materials specific Meeting Presentations folder.

- **AC7118**
  - **11.3.2** Are documented work instructions available to the operator and does the procedure(s) accurately reflect the manufacturing process? (Including the proper sequence)
  - **12a-g.2.1** Do the specification/drawing/design requirements and revision on the purchase order match the received material?

- **AC7122** are:
  - **1.3** - The laboratory has facilities capable of meeting the applicable temperature and humidity requirements.
  - **24.1** - Each page of the test report is numbered "page __ of __", and has unique identification traceable to the job and laboratory identification

- **Top 5 we are seeing for AC7122/1** are:
  - **2.1** - Temperature and humidity requirements are observed.
  - **2.2** - The relative humidity is less than 60% (except for in-process testing of raw material manufacturers)
Common Findings

• CMSP
  - Not detailing the coolant nozzle layout and positioning
  - Not sufficiently detailing the procedure for cutting fluid maintenance
  - Not proceduralizing all items which the checklists explicitly require
  - Not ensuring the correct tool is in use
  - Not detailing the equipment part is to run on
Common Findings

- FLU
  - Procedure does not address requirements, Non-Compliance to procedure requirements, Failure to record required data
  - Lack of Auditing and Control of Sub-Contractors
  - Documentation incomplete, errors, operations not signed off
  - Calibration Issues, equipment not in calibration system, out of tolerance conditions not evaluated, expired calibrations, scope of outside calibration services
  - Inadequate purchase order review, flow down of purchase order requirements
Common Findings

- HT (*Data available on eAuditNet – Public Documents / Heat Treating / Data folder*)
  - System Accuracy Tests (SAT’s) performed on temperature control and recording devices
  - Calibration records demonstrating conformance to AMS2750
  - Calibration frequency and accuracies of equipment and thermocouples
  - Non-Sustaining (Repeat) findings
Common Findings

• MTL-Common Issues:
  - Detailed Written Procedures
  - Equipment Calibration and traceability (Weigh scales, micrometers, reference standards, Hardness Standards, Mechanical testing Alignment, etc.)
  - Internal Audits / Corrective Action system

• NDT (Data available on eAuditNet – Public Documents / NDT / Data folder)
  - Level 2/Level 3 practical exams (Does the candidate document the results of what was detected? Is a check sheet used by the responsible level 3 or delegate?, etc.)
  - Records for the training, qualification and certification of NDT personnel
  - Penetrant system performance test not done in conjunction with photo
Common Findings

- **SEALS**
  - Calibration Issues: Post cure oven calibration does not address 9 thermocouples and range of use
  - Records/Procedures/Work Instructions: Not following procedure, procedure does not address, record retrieval, inadequate work instructions
  - Calibration Related: Equipment not in the calibration system
  - Operator Training: Operators not trained effectively on the operations being performed
  - Material Identity: Material not properly identified and protected from contamination
Common Findings

• **SLT**
  - Calibration Issues: Expired calibration, Missing calibration labels, equipment not in system, out of tolerance condition not evaluated, instrument identified as reference only but used for product acceptance, Calibration Lab not 17025 or on the suppliers approved vendors list
  - Internal Procedures: does not address, procedures not being followed, lack of a written procedure. Not working to latest document revisions
  - Weight for tack free test not in calibration system
  - Chart Recorders, not calibrated, pens not working, charts not changed.
  - Viscometer Calibration does not address the range of use

• **WLD** *(Data available on eAuditNet -Public Documents / Weld / Supplier info)*
  - Has the supplier demonstrated compliance to the welding schedule?
  - Does the welding schedule address all customer requirements?
  - Is the welder/operator qualification complete and up to date for the work being performed?
  - Does the supplier have a documented welder qualification procedure?
  - Are pre-weld preparations defined and in accordance with customer requirements
Best Practices for Nadcap Success

• Strengthen your internal audit program – Use the Nadcap checklists! Include Job Audits every time. Understand the interpretation and expectations

• Download the Nadcap checklist and perform a thorough and complete self-audit
  - Record, by question, where in the system the requirement is documented
  - Record, by question, where the objective evidence of compliance is in the system
  - If you cannot write down where in the system the documentation is located and what you will show the auditor – the checklist answer is No!
  - Perform a full set of Nadcap job audits
Best Practices for Nadcap Success

• Confirm all personnel understand the role they play in making the audit successful

• For reaccreditation audits - Review all NCR’s (Majors / Minors) from the previous audit to ensure corrections taken are sustaining

• Use the tools available on www.eAuditNet.com
  ▪ Tutorials where available
  ▪ Audit Handbooks where available
  ▪ Checklists
PRI Staff Engineer

• The PRI Task Group Staff Engineer has commodity specific knowledge and expertise
  ▪ Review audit report packages. Make recommendations for accreditation to the commodity Task Group
  ▪ Qualified auditors – Understand the process
  ▪ Work intimately with the commodity Task Groups – Understand requirements, interpretations and expectations
  ▪ When necessary, use their expertise before and after your audit
Staff Engineer Advice

• It is the companies’ responsibility to ensure all requirements are met
  - Do not shift responsibility to others for non compliances or assume everything is acceptable because it was believed to be acceptable in the past
  - Understand the interpretation of the requirements and/or Task Group expectation. Contact the Staff Engineer if uncertain

• Ensure compliance **throughout** all of the company documents

• Auditor will check for **complete** compliance
More Staff Engineer Advice

• Conflict between the checklist - comply with the customer requirement or pick the most stringent? If uncertain, contact customer or PRI

• Multiple customer requirements will require a more robust system

• The specification is the requirement. Procedures must meet all requirements in the specification, with supporting evidence as required by the checklists
NCSI Agenda

• Introduction to PRI and Nadcap
• The Nadcap Audit Process
• Preparation Steps
• During the Audit / Post Audit
• Web Tools & Additional Information
Scope Verification

• At the beginning of the opening / introduction meeting (in-briefing), the auditor will log onto eAuditNet.com and request the supplier representative review the scope of the audits to ensure accuracy and make any changes accordingly prior to the audit commencing
  ▪ Electronic ‘sign-off’ process
  ▪ Once the audit begins, generally no changes can be made to the scope of accreditation

• The auditor does not determine the scope, that is the responsibility of the company. If uncertain, verify with your customer
Daily Briefings

- At the end of every audit day, the auditor should conduct a daily briefing to summarize the progress and review any non conformance reports (NCR) generated during the day
  - Inform key company personnel (if required)
  - Promotes open communication between the company and auditor
  - Allows the company time to obtain further clarification or objective evidence that may invalidate the NCR
    - Purpose is not to excessively debate or argue about an issue with the auditor. Problems occur, contact appropriate Staff Engineer
  - Review any outstanding items that needed to be addressed to answer a checklist questions
  - Discuss the next days agenda to ensure personnel are available
  - Minimize time necessary at the final out-briefing
Exit Meeting

- An out-briefing or exit interview with Supplier Management personnel shall be conducted to review nonconformances, obtain commitments for corrective actions, and explain the other aspects of the Nadcap process
  - Schedule top management to attend
  - Make certain the company understands any NCR’s written – ask questions if you do not understand - this is your chance to ensure the finding will be written clearly
Exit Meeting

• Review the accreditation process requirements and expectations before the auditor leaves
  - Highlight key Nadcap procedures to review
  - NCR Corrective Action outline, response time frames
  - eAuditNet process
  - Supplier Feedback

• Open communication between the supplier and auditor is important. Again, if problems occur, contact the appropriate Staff Engineer
NCR Classifications

Major Nonconformance:
• The absence of, or systemic breakdown of, the Process Control and/or Quality Management system Or
• Any non-conformance where the effect impacts or has the potential to impact the integrity of the product

Examples: incorrect process parameters, missing inspections or processing steps, failure to record required data, missed or out of tolerance calibration; result from failure to implement a corrective action from the previous audit

Minor Nonconformance:
• Any single system failure or lapse in conformance with the applicable standard or audit criteria

Examples: paperwork oversights, minor changes to procedures for clarification

Refer to Resources/Nadcap Procedures/General/Quality Manual on www.eAuditNet.com
After the Auditor Leaves

- Feedback is invaluable to the process – Nadcap is a cooperative program
  - When a company submits their NCR responses (within 21 calendar days) they are prompted to complete the Supplier Feedback online questionnaire
    - When there are 0 NCRs, the company is required to complete the Supplier Feedback within three business days
  - Complaints must be submitted in writing and will be addressed independently of the audit review process

- There is an appeals process for NCRs, Staff Engineer decisions, and Task Group decisions
  - Refer to NOP-001 for further details
1. Prior to Audit

1. Did the auditor contact you at least three weeks prior to the audit to discuss the audit plan?
   - Yes
   - No

2. During the Audit (on-site)

2. Did the auditor conduct an opening meeting to discuss the audit agenda and confirm the audit scope?
   - Yes
   - No

3. Was this meeting effective?
   - Yes
   - No

4. Did the auditor conduct a daily briefing to review nonconformances and to discuss the audit progress?
   - Yes
   - No

5. Were these meetings effective?
   - Yes
   - No

6. Did the auditor clearly and effectively explain each nonconformance?
   - Yes
   - No
   - N/A
   (Indicate N/A if there were no nonconformances)

7. Did the auditor act in a professional and business-like manner?
   - Yes
   - No

8. Did the auditor conduct a closing meeting to discuss any issues and to explain all nonconformances?
   - Yes
   - No

9. Was this meeting effective?
   - Yes
   - No

10. Did the auditor provide a review of the eAuditNet process and timeframe for responding to nonconformances?
    - Yes
    - No

11. Was this review effective?
    - Yes
    - No

3. Time Management

12. Did the auditor use time effectively to complete the audit?
    - Yes
    - No

13. Was the auditor on-site a sufficient amount of time to conduct a thorough audit?
    - Yes
    - No

4. Consistency

14. Was the auditor consistent in their application of requirements as compared to previous audits?
    - Yes
    - No
    - N/A
    (Indicate N/A if this was an initial audit)

5. Technical Competence

15. Did the auditor demonstrate appropriate technical knowledge for the process(es) reviewed?
    - Yes
    - No

Overall Comments
Click on ‘Yes’, ‘No’, or ‘NA’ to answer the Questions
‘No’ Answers require a note of explanation

A general note about the entire audit experience can be added in the ‘Overall Comments’ box

Click ‘Save’ to save the form
NCR Review

- NCR responses are closed when the company meets the expectation of the commodity Task Group
  - The Task Group expects a complete and thorough assessment of the NCR by the supplier
    - Immediate corrective action taken
    - Root cause
    - Impact to hardware
    - Action taken to prevent recurrence
    - Training
NCR Review

- Provide objective evidence
  - Procedure changes, control check log sheets, calibration certificates, immediate and long term training, etc

- Immediate corrective action is not the action taken to preventative action

- Failure to close NCR’s delays Accreditation, adding cycle rounds and days
1. Supplier Submits Corrective Action Responses
2. Staff Review of Supplier Corrective Action Responses
3. Task Group Review of Audit Package
   - Yes: Additional Information Requested
     - Yes: Return to 2.
     - No: 4. Accreditation
   - No: Additional Information Requested
     - Yes: Return to 2.
     - No: 4. Accreditation
4. Accreditation
Supplier Advisory

• The purpose of the Nadcap Supplier Advisory is to notify Nadcap Users of issues with conformance of products, services, or quality systems of Nadcap Suppliers

• Three types of Supplier Advisories exist
  ▪ Type P – Potential for Product Impact
  ▪ Type C – Confirmed Product Impact
  ▪ Type F – Failed Audit

• Supplier Advisories are located and controlled in eAuditNet
Supplier Advisory (Cont’d)

- The Supplier has seven (7) calendar days from issuance of a Nadcap Supplier Advisory (type P or C only) to provide a response. Note: a response is not mandatory but encouraged. Responses will be noted under the actual advisory located in eAuditNet.

- Nadcap accreditation may be suspended or withdrawn as a result.

- May affect other commodity accreditations held.

- If believed to be systemic and affecting the Quality Systems approval, the AQS Task Group will review and where necessary notify the applicable Certification/Registration Body (CRB).

- Refer to NOP-006 for more information.
NCR Response Submittals

- Initial responses are due within 21 calendar days from the date of the electronic audit submittal by the auditor
  - Submit in eAuditNet, in accordance with Requirements for Corrective Action Response

Refer to Resources/General Documents/eAuditNet/Powerpoint Tutorials/Supplier Post Audit Tutorial on www.eAuditNet.com

- For completeness of the audit report, additional information or clarifications may be requested by the Staff Engineer
Response Requirements

Help available:

www.eAuditNet.com
  - A link to Response Requirements is attached to the NCR

Also: www.pri-network.org/nadcap
  - Supplier Info – Post Audit Assistance

Also: www.eQuaLearn.com to register for RCCA training
Root Cause Analysis Flow Chart

Root Cause: the LAST cause in the chain!
Corrective Action Response Requirements

Reply to your NCR in the Supplier Discussion for each NCR in the format below and addressing each item in the ‘Your Reply’ section of the eAuditNet Supplier response forum for each NCR

- Immediate Corrective Action Taken (Containment Actions)
- Root Cause of Nonconformance
- Impact of all Identified Causes and the Root Cause
- Action Taken to Prevent Recurrence
- Objective Evidence is required on ALL findings (see NIP 7-03) for details
- Effectivity Date
Example – The Non Conformance

The procedure for the Qualification and Certification of NDT Personnel (QA-OP-01, Rev J) does not meet NAS 410-3 for the following:

A. Incorrect classroom training hours for PT level 2
B. Does not require the level 2 candidate to document the NDT results during the practical examination
C. Allows administration of Practical exams by Level 2’s
D. Does not require the designation of a “Responsible” Level 3
E. Does not provide the method for the approval of person(s) administering eye exams
F. Etc……
Immediate Corrective Action

Define Immediate Corrective Action Taken

What action was taken following the issue being discovered during the audit?

- Did you stop the problem from continuing?
- Did you contain the problem found?
- Did you notify / train personnel on immediate action?

These actions address the immediate or direct cause of the NCR only
Immediate Corrective Action (Cont’d)

Define Immediate Corrective Action Taken:

Example of an **Unacceptable** Immediate Corrective Action:
The procedure was modified

Example of an **Acceptable** Immediate Corrective Action:
• Procedure was reviewed in its entirety against the requirements of NAS 410-3 and approved by our responsible Level 3. Procedure attached, note – specific changes made are identified on our procedure change sheet
• Personnel trained / made aware of change
• See attached training / acknowledgement sheet
Define Root Cause of the Nonconformance:

Investigate all causes contributing to the nonconformance using fish bone diagrams, 5-why analysis or similar tools. The root cause will be the last logical cause in the chain.

Think you got it? Try one more!

Only the identified Root Cause should be included in the response (Do not write a thesis). Supplemental information to support the cause analysis may be included as objective evidence if necessary.
Root Cause (Cont’d)

Define Root Cause of the Nonconformance:

Example of an **Unacceptable** Root Cause:
We have been audited by many customers in the past. This has never been a problem and our requirements have been found to be acceptable.

Example of an **Acceptable** Root Cause:
Inadequate review of our procedure against the customer/industry standards due to a lack of formal procedural review process and ineffective pre audit using the Nadcap checklist.
Impact of Identified Causes

Define the Impact of all Identified Causes and the Root Cause:

What impact did the nonconformance actually have?

- Consider
  - Were any other parts / processes affected?
  - Were any affected parts shipped to the customer?
  - Was the customer contacted?
Impact of Identified Causes (Cont’d)

Define the Impact:

Impact to Hardware:

Example of an **Unacceptable** Impact Statement:
No Impact

Example of an **Acceptable** Impact Statement:
No Impact. This discrepancy was procedural only. All NDT records were reviewed and found to be compliant with NAS410-3
Actions Taken to Prevent Recurrence

Define the Actions Taken to Prevent Recurrence: What are the steps taken to prevent this problem from occurring again?

• What is the long term action to prevent recurrence?

• Can only be addressed when the true root cause is known

• Do not rush, consider the effectiveness, feasibility, suitability to the company, and the company's budget

• Remember, non-sustaining Corrective Actions (CA) become MAJOR findings. By not addressing CA's adequately there is a potential for a non-sustaining finding on the next audit. This will affect your Supplier Merit
Actions Taken to Prevent Recurrence (Cont’d)

Define the Action Taken to Prevent Recurrence:

Example of an Unacceptable Action Taken:

The procedure was revised

Example of an Acceptable Action Taken:

- Review teams have been created to address the review of special processes, including NDT. The teams will be comprised of two individuals (for NDT, one of the team members will be the responsible Level 3) and will perform a back to back review of the internal specification against the customer / industry standard for compliance. The reviewers will complete a document review sheet, the procedure will be changed and identified on the review sheet and then forwarded to the relevant personnel for final approval. This process is documented in procedure ABC123 rev 3, please see attached procedure and change sheet

- As part of the continuous improvement process Nadcap checklists have been incorporated into the internal audit system. As a minimum an annual audit shall be performed. Procedure ABC213 rev 5 modified to reflect, please see attached procedure and change sheet

- Training of personnel completed, see attached training record
Objective Evidence

Define and Attach Objective Evidence:

- What information can be provided to demonstrate the RCCA process applied to the NCR?
  - Objective evidence is required for Major & Minor NCR’s except minor NCR’s accepted (not closed) onsite by the auditor
  - Note: It is expected that the supplier clearly define the root cause corrective action taken. If a procedure is changed, clearly specify what the change was

- Don’t forget to identify the specific actions taken to resolve the nonconformance(s), (e.g., exact text of procedure change, text of stamp to be ordered, etc.)
  - Objective evidence should be attached electronically in www.eAuditNet.com or submitted by U-fax
  - A U-fax directory is located in the Public Documents section of www.eAuditNet.com
  - Contact the Staff Engineer with any questions

- If you change or create a procedure, implement a new system or method, perform training, propose audits, develop new checklists - SHOW THIS. It may prevent another review cycle

REMEMBER: Do not attach information that discloses Export Controlled details.
Define and Attach Objective Evidence:

NCR Example:
The procedure for the Qualification and Certification of NDT personnel does not meet NAS 410-3

Objective Evidence:

Example of Unacceptable Objective Evidence:
See attached revised procedure

Example of Acceptable Objective Evidence:
See attached revised procedure (QA-OP-01, Rev K) for the training and approval of NDT Personnel. Note: Includes approval by the responsible Level 3. See attached procedure (QA-01 Rev B) addressing the addition of the specification review teams. See attached completed document review sheet for QA-OP-01 against NAS410-3. See attached training log sheet for affected personnel
Corrective Action Response Requirements (Cont’d)

Effectivity Date:

When will the corrective actions be completely implemented?

(Accreditation generally cannot be issued until after this date.)
Key Points to Consider

• Supply all the necessary objective evidence, e.g. copy of revised procedure, procedure approval, copy of revised process control log, evidence of training, etc

• Respond directly in eAuditNet
  - Word documents / NCR templates / other attachments containing the RCCA response is not acceptable. Provide the response directly in eAuditNet. Attachments are for objective evidence

• Address every aspect of the Root Cause Corrective Action (RCCA):
  - Immediate corrective action taken
  - Root cause
  - Impact to hardware
  - Action taken to prevent recurrence
  - Objective evidence

• Provide information within the defined time frame
Corrective Action – More details

• Call the Staff Engineer!
  - If you need clarification on a request for more information, a phone call may save you an additional review cycle
  - If you will not be able to meet the procedural time frames for responses...extensions can not be granted but communication about WHY a date is missed is important
If Your Response is Not Accepted

• You have 7 calendar days to respond to the Staff Engineer request for additional information

• If the Staff Engineer details a specific request:
  ▪ Review and comply with the entire request. Your response will not be accepted until all items are addressed
  ▪ Only address what is being asked from the Staff Engineer. Do not resend the whole RCCA response

• In the event of a generic rejection, i.e., “Readdress Root Cause”
  ▪ Review the Requirements for Submittal of Corrective Action Responses and make certain you are complying with these requirements

• Call the Staff Engineer for clarification
Response Due Dates

• Response extensions are not given, however the company is allowed a limited number of cumulative late days that can be used through the life of the audit report package. Late days typically used:
  ▪ Allow a more thorough response to be provided
  ▪ Key personnel on vacation or sick
  ▪ Awaiting equipment installation, calibrations, etc
  ▪ Training of personnel
  ▪ After 30 late days, audits are processed per NOP-011 (Audit Failure Process)
  ▪ Per NOP-008 (Supplier merit)
  ▪ 18 month accreditation cannot be achieved if more than 14 cumulative late days
  ▪ 24 month accreditation cannot be achieved if more than 7 cumulative late days
How to Avoid Repetitive NCR’s!

• Involve all personnel that will have the responsibility to fix, implement and monitor the corrective actions.

• Issue notifications throughout all company departments when policies/procedures are changed as a result of corrective action responses.

• Ensure that more than one person within the company is totally familiar with past and present Nadcap audits and NCR’s.

• Create a process to ensure Corrective Actions for all NCR’s - major or minor - have been implemented and are monitored, as part of the internal audit process. Management involvement and monitoring is mandatory! (AS9100)

• Do not attempt quick fixes - even for minor non conformances. If quick fixes are accomplished there should be a process within the company on how these are accomplished and what the limitations are.
NCSI Agenda

• Introduction to PRI and Nadcap

• The Nadcap Audit Process

• Preparation Steps

• During the Audit/Post Audit

• **Web Tools & Additional Information**
Pre-Assessment Audit

- Companies can schedule a pre-assessment audit using a Nadcap auditor BEFORE the actual Nadcap audit.
- All the data from the audit will be left with the company.
- The only findings which will be sent to Primes are findings which may have significant potential for impact to hardware.
- Contact PRI Scheduling and/or review NIP 7-06 for more details.
Using eAuditNet Effectively

• Keep email address current to ensure you receive important emails related to your audit

• If there is a change in contact or company information, complete t-frm-11. eAuditNet under Resources / Documents / Nadcap Procedure and Forms / Nadcap Controlled Forms / tfrms

• Do not reply to automated emails received from eAuditNet – there are contacts listed in the email

• For eAuditNet Support, refer to the Public Documents section for User Guides or contact the Help Desk at +1 724 772 8679 or via email at eAuditNetsupport@sae.org
Supplier Info

The special process audit program is managed by all users of the system: subscribers, suppliers and administrators (PRI). As major participants in the system, the suppliers voice their opinions and make suggestions for improvements to the Nadcap process through the Supplier Support Committee.

For more information, visit the:

Supplier Support Committee web page

One hour spent doing pre-audit preparation saves over five hours of work after the audit.
~ Larry O'Dell, The Boeing Company

Need more information on Nadcap?

For presentations about PRI/Nadcap from a supplier perspective, please click one of the links below:

Heat-Treat Supplier - US
Asia Supplier perspective
Multi-accredited Supplier - Europe

NCSI is an excellent training tool for new suppliers
~ Nigel Picken, Rolls-Royce plc

For presentations about PRI/Nadcap from a subscriber perspective, please click below:

Airbus
Goodrich
Eurocopter

Link to the Airbus website which gives the Airbus Policy on suppliers Nadcap Accreditation dated February 2009:


For a summary of benefits of the Nadcap process reported by Nadcap suppliers, click here.
Quality Related Classes

- AS/EN/USGQ2100 Rev. C
- Contract Review for Aerospace Suppliers
- Escapes Awareness – Avoiding Costly Mistakes
- Internal Auditing
- Introduction to Aerospace Quality
- Problem Solving Tools
- Process FMEA
- Root Cause Corrective Action
- Statistical Process Control

Special Process Specific Classes

- Heat Treating for the Automotive Special Processors
- Introduction to Pyrometry
- Nadcap Audit Preparation-Chemical Processing
- Nadcap Audit Preparation-Heat Treating
- Nadcap Audit Preparation-NDE/NDE Testing
- Nadcap Audit Preparation-Welding

Popular Sessions Coming Soon

- Trollhattan, Sweden
  - Root Cause Corrective Action
  - Introduction to Pyrometry
- Phoenix, AZ
  - Root Cause Corrective Action
  - Introduction to Pyrometry
- Troy, MI
  - Nadcap Audit Preparation-Heat Treating
  - Root Cause Corrective Action
  - Introduction to Pyrometry
- Sheffield, United Kingdom
  - Nadcap Audit Preparation-Heat Treating
  - Introduction to Pyrometry
  - Root Cause Corrective Action
Nadcap Meeting Information

• Available at www.pri-network.org

• Minutes & Agendas
  ▪ Keep up with Task Group activities
  ▪ Participate in Task Group decisions

• Plan to attend Open Meeting – Suppliers are always welcome

• Closed meeting times for User Members only are necessary to discuss proprietary supplier company accreditation issues such as appeals, findings, etc
SSC Meeting Information

• Operates independently of the Task Groups – focus on overall issues common to suppliers – not technical or Task Group specific

• Attend the Supplier Support Committee (SSC) meeting to learn about ongoing projects

• Get involved – Join the SSC! Volunteers Needed!
Nadcap Meeting Information (Logistics, Minutes, Agendas)

Next Meeting:
February 28 - March 4, 2011
Barcelona, Spain

On-Line Registration

Future Meetings:
June 20-24, 2011
London, England

October 17-21, 2011
Pittsburgh, PA USA

February 20-24, 2012
San Diego, CA USA

Past Meeting Information (Agendas, Minutes, Attendees' Guides):

October 18-22, 2010
Pittsburgh, PA USA

June 21-25, 2010
Singapore

February 22-26, 2010
Rome, Italy

Other Meetings

Archive Meeting Information
Important Websites

www.pri-network.org
www.eAuditNet.com
www.eQuaLearn.com
www.eQuaLified.org