Joseph Pinto
Executive Vice President & Chief Operating Officer

September 25, 2013
Definitions – PRI

The Performance Review Institute is a global provider of customer-focused solutions designed to improve process and product quality by adding value, reducing total cost and promoting collaboration among stakeholders in industries where safety and quality are shared goals.

PRI administers Nadcap.
History Of The Performance Review Institute (PRI)

- **November 1985:** Government/Industry Equal Partners Conference recommends consensus solution to duplication of Supplier quality assurance systems
- **July 1990:** PRI incorporated as a Not-For-Profit Trade Association. Launch Nadcap for Aerospace
- **July 2000:** Roll-out of Nadcap Europe
- **November 2002:** Full Launch of eAuditNet
- **October 2003:** Roll-out of Nadcap Asia
- **April 2008:** Roll-out of eQuaLearn
- **May 2009:** Full Launch of eAuditNet 2.0
An Introduction to Nadcap and the SSC

PRI Programs

Accreditation (Qualification)

- Nadcap NUCAP
  - Special Process, System and Product Qualification

Product Qualification

- Qualified Products List is similar to Nadcap.
  - Focuses on Products rather than processes.

Professional Development

- Provides personnel qualification, developed and managed by industry.

Management Systems

- ANAB approved Registrar committed to improving the quality of:
  - Personnel, Products & Processes
  - AS9100, ISO9000, ISO14001

Industry Managed

Complementary
Structure of PRI and Nadcap

PRI Board Of Directors
Policy & Financial

Nadcap Management Council
Oversee Nadcap Program

BoD Directors by Region
America 8 (57%)
Europe 4 (29%)
Asia 2 (14%)

NMC Reps by Region
America 42 (78%)
Europe 12 (22%)

Task Groups
• Technical Experts
• Determine Requirements
• Final Decision on Accreditation

Supplier Support Committee (SSC)
• Non-Technical Group
• Work on Systematic Issues

Industry Representatives
Nadcap Subscribers

- 309th Maintenance Wing-Hill AFB
- AgustaWestland
- Air Force
- Alenia Aeronautica SpA
- Avio SpA
- BAE Systems – Military Air Solutions (MAS)
- BAE Systems
- Ball Aerospace & Technology Corporation
- Beechcraft Corporation
- The Boeing Company
- Bombardier Inc.
- COMAC
- Defense Contract Management Agency (DCMA)
- EADS Corporation
  - Aerolia
  - Airbus
  - Airbus Military/ EADS CASA
  - Astrium
  - Cassidian
  - Eurocopter
  - Premium AEROTECH
- Eaton Aerospace
- Embraer
- GE Aviation
- General Dynamics
- General Services Administration (GSA)
- GKN Aerospace
- GKN Aerospace Sweden AB
- Heroux Devtek Inc. (Landing Gear Division)
- Honeywell Aerospace
- Israel Aircraft Industries
- Latecoere
- Liebherr-Aerospace SAS
- Lockheed Martin Corporation
- MTU Aero Engines GmbH
- Northrop Grumman Corporation
- Parker Aerospace Group
- Raytheon Company
- Rockwell Collins, Inc.
- Rolls-Royce
- SAFRAN Group
- Sonaca
- Spirit AeroSystems
- Textron Inc.
  - Bell Helicopter
  - Cessna Aircraft Company
  - Textron Systems
- Thales
- Triumph Group Inc.
- United Technologies Corporation
  - Goodrich (UTAS) Corporation
  - Hamilton Sundstrand
  - Pratt & Whitney
  - Pratt & Whitney Canada
  - Sikorsky Aircraft
An Introduction to Nadcap and the SSC

Timeline of Primes

Nadcap is now an industry standard with 80% of the global Prime community subscribing

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Legend:
- South America
- Asia
- Europe
- North America

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<tr>
<th>Year</th>
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<tr>
<td>1990</td>
<td>Hawk Beechcraft</td>
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<td>Northrop Grumman, GSA, Hamilton Sundstrand</td>
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<td>RAE Corp, AVIO</td>
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<td>Aeraflex</td>
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<td>Vought, Bell Helicopter, DCMA, Cessna</td>
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<td>1998</td>
<td>Boeing, MD Helicopters, Lockheed Martin</td>
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<td>1999</td>
<td>Airbus, EADS MTA, Eurocopter, EADS ATR, EADS Defense</td>
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<tr>
<td>2001</td>
<td>New: Hawker Beechcraft, 309 Mairt, Wing Hill AFB</td>
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<tr>
<td>2002</td>
<td>New: Boeing, MD Helicopters, Lockheed Martin</td>
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<td>New: Boeing, MD Helicopters, Lockheed Martin</td>
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<tr>
<td>2007</td>
<td>New: AgustaWestland, Aerolia, Premium Aircraft</td>
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<tr>
<td>2008</td>
<td>New: Eaton, Industria de Turbo Propulsores, MD Helicopter, Moog, Zodiac</td>
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<td>2009</td>
<td>New: M7 Aerospace</td>
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<tr>
<td>2010</td>
<td>New: United Space Alliance</td>
</tr>
<tr>
<td>2011</td>
<td>New: COMAC, Eaton, Embraer, GKN</td>
</tr>
<tr>
<td>2012</td>
<td>New: BAE M8, Heroux Devtek, Parker Aerospace, Spirit, Thales, United Space Alliance</td>
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Industry-Managed Active Customer Audits

Industry Managed Customer Audits by Sector

2013 European Audits by Country*

*Does not include New Industry and Pre/Pilot audits
Nadcap Supports Better Quality

- Quality Improvements
  - An increasing percentage of Nadcap accredited companies report quality improvement in the area(s) related to their Nadcap accreditation(s)
- 44% saw a reduction in escapes
- 41% had a reduction in rework
- 35% saw a reduction in scrap
- 54% reported an improvement in sales/ability to attract new business
Industry Managed Program

INDUSTRY EXPERTS MANAGE ALL KEY STEPS

AUDIT CONDUCTED*

AUDITOR QUALIFICATION & SELECTION

CORRECTIVE ACTIONS AS REQUIRED*

PROCESS EVALUATION/IMPROVEMENT*

AUDIT RESULTS

AUDIT CHECKLIST*

* Indicates Supplier involvement
An Introduction to Nadcap and the SSC

The Nadcap Audit Process

Accreditation Mandated by Nadcap Prime Subscriber

Supplier Requests Audit

Audit Scheduled & Auditor Assigned

Audit Performed – Auditor Submits Report

Supplier Review

PRI Technical Staff Review

Certificate Issued to Supplier

Task Group Review

Re-accreditation Process

Subscriber Action
Supplier Action
PRI Action
Nadcap Meetings

• Nadcap meetings are held three times per year in locations around the world
  – Next meeting 21-25 October, Pittsburgh, USA.

• Meetings are where Prime and Suppliers come together to discuss program developments

• Each commodity has a Task Group made up of Primes, Suppliers and PRI staff
  – The role of Primes and Suppliers in each Task Group is to discuss and vote on program development
  – The role of PRI Staff Engineers is to act as advisors on each Task Group

• Suppliers can vote on checklist changes if they become Task Group Supplier Voting Members. Each commodity has their own criteria for becoming a SVM, for more information please contact PRI Staff Engineers.
Upcoming European Nadcap Meetings

There will be 2 European Nadcap meetings in 2014

• February Meeting will be in London, UK
• June Meeting will be in Dublin, Ireland

You are all invited to attend the Nadcap meetings as:

• It provides a better understanding of how the Nadcap program works
• It gives greater insight in the running of your commodity
• It is a great networking environment

For more information on Nadcap meetings, please visit the PRI website
www.pri-network.org/nadcap/nadcap-meetings/
Supplier Support Committee
Introducing the Supplier Support Committee (SSC) Mission Statement

Our goal is to represent the Supplier community and work with the Nadcap Management Council to enhance the **effectiveness** and **economical value** of the Nadcap system for the **mutual** benefit of Suppliers and subscribers.
The SSC Leadership Team

CHAIR
ERIC JACKLIN
F. M. Callahan & Son

AMERICAS
LLOYD BARKER
Alcoa

AMERICAS
SUZANNA DeMOSS
3M

AMERICAS
JIM RINGER
Tech Met

AMERICAS
DAVID MICHAUD
Fountain Plating

VICE CHAIR
Dale Harmon
Cincinnati Thermal Spray

ASIA
SUTHICHAR
DANCHAIVIROJ
Primus International

EUROPE
STEPHANE CHAUMEIL
Galion UITS

EUROPE
PAUL EVANS
JFIMS

Talk to us about non-technical issues
An Introduction to Nadcap and the SSC

SSC Task Group Reps

AQS
MARK BROWN
Kaman Aerospace Corp

Conventional Machining as a Special Process
TIM CROWE
Hunting Dearborn, Inc.

Chemical Processing
DAVID MICHAUD
Fountain Plating

Elastomer Seals
JOHN HUDSPETH
International Seal

Coatings
DALE HARMON
Cincinnati Thermal Spray

Heat Treating
ROY ADKINS
Specialty Steel Treating

Composites
VITORIO STANA
Avcorp

Materials Testing
BRYAN HALL
NSL Analytical Services, Inc.

NDT
GARY WHITE
Orbit Industries

NMSE
DAVE JONES
3P Processing Inc.

Sealants
SUZANNA DeMOSS
3M

Welding
MIKE SCHLECKMAN
Voss Industries

New Task Group Reps: Measurement and Inspection (M&I), nominated but not confirmed – Brad Gould, Hunting Dearborn
SSC 2013 Supplier Survey

• **Purpose**
  – A periodic global Nadcap feedback survey started in 2003. Survey results are used to improve the Nadcap system and further support Supplier efforts for the benefit of all

• 15 questions – approximately 10 minutes to complete

• Survey will assist SSC-LT with future direction and assess success in meeting past expectations

• Anticipated release date – September 2013 – Please look for the email and respond to the survey
Questions
If you have any questions, please contact

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+44 207 034 1244
Seema.martin@pri-europe.org.uk