



## COMPLETE SOLUTION FOR NDT

## NADCAP

### Nadcap = National Aerospace and Defense Contractors Accreditation Program

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

Nadcap accreditation has become a basic requirement in the Aerospace business **All major Aerospace manufacturers** (customers), **require Nadcap accreditations** (customer requirement)

Nadcap accredited companies that subcontract "special processes", shall flow down customer requirements including Nadcap.

### NADCAP Process in few steps

- Requesting and scheduling an audit
- Performing an internal (pre) audit
- Implementing corrective actions for any findings from the internal audit
- Performing the official PRI audit
- Reviewing and responding to nonconformances (major or minor)
- Applying and documenting corrective actions to resolve the nonconformances
- Planning and preparing for upcoming Nadcap accreditation



## Nadcap impact on NDT related procedures

- Traceability to customer acceptance criteria
- Requirements for special equipment if different from standard
- Complete pre- and/or post-treatment instructions, including all details in accordance with customer requirements or reference to procedures containing such instructions
- Description for the method of identifying inspection status
- Method for control of software or programming used for automated processing equipment as applicable
- All required process control tests and checks

## Nadcap requires a procedure that flows down calibration requirements for NDT

- Accuracy/Range (number of points to be checked for each instrument and reference to the accuracy per range)
- Criteria to extend or reduce the calibration frequency



## Lessons learned Common mistakes initial NDT audit...

- Underestimating the impact of Nadcap
- Unfamiliarity with Nadcap can result in many NCR's
- Closing NCR's (Root Cause Analyses) requires some skills
- Nadcap baseline requirements not met
- Focusing on own organization instead of customer
- Lots of recording and witnessing issues NDT data
- Incomplete training records
- The "we already work this way for 15 years" approach....

## Lessons learned How to prepare for your audit...

- Take your time (initial audit six months)
- Make it teamwork (all disciplines involved)
- Answer each checklist question
- Assign the checklist questions to responsible departments(teams)
- Refer to internal procedure number(s) and applicable paragraph(s)
- "No" is the wrong answer! Make sure you take appropriate actions to convert "No" into "Yes"
- Use the auditors handbook, it is loaded with additional information for the checklist questions
- Collect objective evidence for each checklist question
- Organize frequent meetings to check progress

**If there's NADCAP in your neighborhood,  
Who you gonna call?  
ATG!**

