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400 Commonwealth Drive, Warrendale, PA 15096-0001

## AEROSPACE STANDARD

**SAE**

**AS7112**

Submitted for recognition as an American National Standard

Issued 1997-12

### NATIONAL AEROSPACE AND DEFENSE CONTRACTORS ACCREDITATION PROGRAM REQUIREMENTS FOR FLUID SYSTEM COMPONENTS

#### 1. SCOPE:

This Aerospace Standard (AS) establishes the requirements for manufacturers of Fluid System Components to be accredited by the National Aerospace and Defense Contractors Accreditation Program (NADCAP). NADCAP accreditation is granted in accordance with SAE AS7003 after demonstrating compliance with the requirements herein. These requirements may be supplemented by additional requirements specified by NADCAP Fluid System Components Task Group. Using the corresponding Audit Criteria checklists (PRI ACs) will ensure that accredited Fluid System suppliers meet all of the requirements in this standard and all applicable supplementary standards.

The purpose of this audit program is to assess a supplier's ability to consistently provide a product or service that conforms to the technical specifications and customer requirements. The corresponding audit criteria are also structured to obtain information relevant to management practices and processes that directly or indirectly affect the product or service. The information thus obtained will be used for determination of accreditation status, and may be used by the supplier to guide improvements in the product/service or associated processes.

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## SAE AS7112

### 2. REFERENCES:

#### 2.1 SAE Publications:

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

|          |  |
|----------|--|
| AS7001   | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Program Description  |
| AS7002   | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Rules for Implementation   |
| AS7100/1 | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Nondestructive Testing Requirements                                  |
| AS7101   | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Materials Testing Laboratories Requirements                          |
| AS7102   | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Heat Treating Requirements   |
| AS7106   | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Quality Program Requirements   |
| AS7107   | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Inspection System Requirements                                       |
| AS7108   | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Chemical Processing Requirements                                     |
| AS7109   | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Coatings Requirements  |
| AS7110   | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Welding Requirements   |
| AS7112/1 | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Hose Manufacturing Requirements                                      |
| AS7112/2 | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Requirements for Fittings and Other Machined Components              |
| AS7112/3 | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Requirements for Formed Sheet Metal Couplings and Complex Components |
| AS7112/4 | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Requirements for Hose and Tube Assembly                              |

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### 2.2 PRI Publications:

Available from Performance Review Institute, 161 Thornhill Road, Warrendale, PA 15086-7527.

|                     |  |
|---------------------|--|
| AC7100/1            | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Nondestructive Testing Audit Criteria                                  |
| AC7101/1<br>thru /9 | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Materials Testing Laboratories Audit Criteria                          |
| AC7102              | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Heat Treating Audit Criteria   |
| AC7106              | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Quality Program Audit Criteria   |
| AC7107              | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Inspection System Audit Criteria                                       |
| AC7108              | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Chemical Processing Audit Criteria                                     |
| AC7109              | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Coatings Audit Criteria  |
| AC7110              | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Welding Audit Criteria   |
| AC7113              | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Audit Criteria for Manufacturers of Fasteners                          |
| AC7112/1            | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Hose Manufacturing Audit Criteria                                      |
| AC7112/2            | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Audit Criteria for Fittings and Other Machined Components              |
| AC7112/3            | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Audit Criteria for Formed Sheet Metal Couplings and Complex Components |
| AC7112/4            | National Aerospace and Defense Contractors Accreditation Program (NADCAP) - Audit Criteria for Hose and Tube Assembly                              |
| ---                 | NADCAP Fluid System Component Manufacturing Auditor Handbook   |