



## SCOPE OF ACCREDITATION

### Materials Testing

**Metaltest Inc**  
1205 5th Ave S  
Kent, WA 98032-6023

This certificate expiration is updated based on periodic audits. The current expiration date and scope of accreditation are listed at: [www.eAuditNet.com](http://www.eAuditNet.com) - Online QML (Qualified Manufacturer Listing).

In recognition of the successful completion of the PRI evaluation process, accreditation is granted to this facility to perform the following:

#### **AC7006 Rev G - Audit Criteria**

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##### Mechanical Testing

- M– Bend Testing / ASTM E290
- M– Carbide Network – Decarburization / ASTM E1077
- M– Charpy Impact / ASTM E23
- M– Guided Bend Test for Ductility of Welds / ASTM E190
- M– Hardness Testing – Brinell Hardness / ASTM E10
- M– Hardness Testing – Rockwell Hardness / ASTM E18
- M– IGA and End Grain Pitting / ASTM E3
- M– Metallography – Alpha Case / ASTM E3
- M– Metallography – Alpha Case / ASTM E407
- M– Metallography – Alpha Case: Wrought / AMS T9046
- M– Metallography – Decarburization / ASTM E3
- M– Metallography – Decarburization / ASTM E384
- M– Metallography – Effective Case Depth / ASTM E384
- M– Metallography – General / ASTM E112
- M– Metallography – Grain Size (Nickel Alloys) / ASTM E112
- M– Metallography – Grain Size / ASTM E112
- M– Metallography – IGA/IGO
- M– Metallography – Microetching / ASTM E407
- M– Microhardness Testing, Knoop / ASTM E384
- M– Microhardness Testing, Vickers / ASTM E384
- M– Room Temperature Tensile (Standard Test Methods of Tension Testing Wrought and Cast Aluminum– and Magnesium–Alloy Products) / ASTM B557
- M– Room Temperature Tensile / ASTM E8

M– Standard Test Methods and Definitions for Mechanical Testing of Steel Products / ASTM A370

**AC7101/1 Rev F - Nadcap Audit Criteria for Materials Testing Laboratories – General Requirements for All Laboratories (to be used on/after 14 Sept 2014)**

**AC7101/3 Rev C - Nadcap Audit Criteria for Materials Test Laboratories – Mechanical Testing (to be used on/after 28 August, 2011)**

(A) Room Temperature Tensile

(N) Impact

(XN) Bend Testing

**AC7101/4 Rev F - Nadcap Audit Criteria for Materials Test Laboratories – Metallography and Microindentation Hardness (to be used on/after 14 August, 2016)**

(L0) Metallographic Evaluation

(L1) Microindentation (Interior)

(L10) Near Surface Examinations – Carburization / Decarburization

(L11) Grain Size

(L5) Near Surface Examinations – Microindentation (Surface–Case Depth)

(L6) Near Surface Examinations – Nitriding

(L7) Near Surface Examinations – IGA, IGO

(L8) Near Surface Examinations – Alpha Case: Wrought Titanium

**AC7101/5 Rev D - Nadcap Audit Criteria for Materials Test Laboratories – Hardness Testing (Macro) (to be used on audits on/after 22 March 2015)**

(M1) Brinell Hardness

(M2) Rockwell Hardness

**AC7101/6 Rev C - Nadcap Audit Criteria for Materials Test Laboratories – Corrosion (to be used on/after 28 August, 2011)**

(Q) Corrosion (General)

**AC7101/7 Rev D - Nadcap Audit Criteria for Materials Test Laboratories – Mechanical Testing Specimen Preparation (to be used on audits on/after 15 May 2016)**

(Z) Standard Specimen Machining

(Z4) Special Preparation

**AC7110/13 Rev B - Nadcap Audit Criteria for Evaluation of Welds to be used ON OR AFTER 5 MAY 2013**

DO NOT CHECK – INFORMATION ONLY – IF YOU ARE SELECTING THE AC7110/13 CHECKLIST YOU MUST ALSO SELECT AC7101/4 – Nadcap Audit Criteria for Materials Test Laboratories – Metallography and Microhardness

Supplement A – Metallurgical Evaluation of Welder / Welding Operator Qualifications (identify if this process is used)

Supplement B – Metallurgical Evaluation of Fusion Welds (identify if this process is used)

**AC7110/13S Rev D - Nadcap Supplemental Audit Criteria for Evaluation of Welds to be used on audits ON OR AFTER 11 January 2015)**

U11 The Boeing Company

**Lab Type - Lab Type**

Independent