MTAC - A Summary of Critical Decisions

This document has been created and reviewed by the A2LA Materials Testing Advisory Committee (MTAC). It provides a summary of consensus decisions voted on and approved by the Materials Testing Advisory Committee and A2LA Criteria Council for use by laboratories and assessors.

I. Traceability Decisions

a. Density Beads – PT results may be accepted in lieu of traceability for density beads as long as the laboratory participates in available commercial PT annually. This exception is applicable to the following testing:

Density of Plastics - Gradient Column Method
ASTM D1505
ISO 1183-2

b. Severn Engineering Instrumentation – Upon review it has been determined that the calibration of Severn Engineering Instrumentation including the Ferrite Indicator, Type I or II, and Low-Mu Permeability Indicator is traceable to an NMI, NIST.

Due to this all laboratories using such equipment must request an exception to the A2LA Traceability Policy, P102. If an exception is not granted by A2LA prior to an assessment, assessors are instructed to write a deficiency to A2LA traceability policy P102 section T1 which states that the laboratory must use accredited calibration providers.

However, laboratories requesting an exception will not be required to submit evidence that they have looked for an accredited provider or evidence of traceability to the SI. When requesting an exception, laboratories are instructed to provide a copy of their calibration certificate from Severn Engineering. This record will be compared to records maintained by A2LA and if needed, follow-up will be requested. This clarification is applicable to the following testing:

Determination of Low Magnetic Permeability
ASTM A342
MIL-I-17214B

Determination of Ferrite Content of Welds
ASTM A799 / A799M-04
ANSI / AWS4.2M / A4.2-2006

II. Application of SAE J81

a. Upon review by the Materials Testing Advisory Committee it was determined that the following wordage found in *SAE J81 – Thread Rolling Screws*:

"by other suitable means in any ductility test for thread cutting screws"

be interpreted as meaning 'any means by which the laboratory can make the required bend is acceptable.' (Motion 9, MTAC meeting minutes dated 4/2/2011)

Document Revision History

Date	Description
2/8/11	Initial Approval.
6/20/11	Addition of Section II (a).