This document describes the accreditation requirements applicable to the A2LA Construction Materials Testing (CMT) Field which is designed to meet the needs of users looking for competent construction materials testing services. Internationally accepted accreditation criteria and guidance documents developed by ASTM committees form the basis for accrediting laboratories under this field.

One of the major objectives of A2LA is to provide regulators responsible for approving CMT laboratories and other users of accredited laboratories with an effective alternative for evaluating and recognizing competent laboratories. A2LA is committed to working with federal, state, local, and commercial organizations to realize this objective.

The scope of this field includes the following materials areas: concrete and aggregates, cement, lime/flyash, soils, bituminous materials, roofing materials, masonry, steel, and nondestructive tests as related to construction. Applications for accreditation may be made for one or more tests in each area. Additional areas may be added upon request.

As an option, a laboratory may also obtain accreditation for one or more of the following construction materials engineering standards:

- **ASTM E329** Standard Specification for Agencies Engaged in Construction Inspection and/or Testing
- **ASTM C1077** Standard Practice for Laboratories Testing Concrete and Concrete Aggregates for Use in Construction and Criteria for Laboratory Evaluation
- **ASTM D3666** Standard Specification for Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials
- **ASTM D3740** Standard Practice for Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction
- **ASTM C1093** Standard Practice for Accreditation of Testing Agencies for Masonry
- **ASTM E1212** Standard Practice for Quality Management Systems for Nondestructive Testing Agencies
- **ASTM E543** Standard Specification for Agencies Performing Nondestructive Testing

When accredited for one of these engineering standards, the laboratory's scope of accreditation shall indicate "Construction Materials Engineering". 
GENERAL CRITERIA


SPECIFIC CRITERIA

Specific criteria are generally an elaboration on or interpretation of the general criteria plus those requirements of accreditation applicable to a certain field of testing, testing technology, type of test, or specific test. The specific criteria for the CMT field are based on the applicable requirements of the specific standards for which accreditation is sought. CMT testing laboratories seeking accreditation for mobile or field testing must also meet the additional criteria outlined in R104 – General Requirements: Accreditation of Field Testing and Field Calibration Laboratories.

In addition, if your laboratory is intending to perform or is performing testing for Harris County, City of Houston, and Port of Houston Authority, Texas you must grant authorization to A2LA to provide to the City of Houston, Port of Houston Authority, and/or Harris County, TX copies of the assessment documentation related to the A2LA assessment as requested by these agencies; including the preparation, scheduling, assessor assignment, corrective action plans, deficiency resolutions, and reasons for any adverse actions that are taken. This authorization is to be provided through completion of F234 – A2LA Houston Governmental Laboratory Consent Agreement.

PROFICIENCY TESTING

Please refer to R103a – Annex: Proficiency Testing for ISO/IEC 17025 Laboratories, section V.

Document Revision History

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
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<tbody>
<tr>
<td>September 13, 2005</td>
<td>Updated to reference ISO 17025:2005</td>
</tr>
<tr>
<td>June 14, 2007</td>
<td>Updated unacceptable (ratings of &quot;0&quot; or &quot;1&quot; for the above programs) to (ratings of &quot;0,&quot; &quot;1,&quot; or &quot;2&quot; for the above programs)</td>
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<tr>
<td>June 22, 2012</td>
<td>Added 'local' to who A2LA works with Added lime/fly ash to CMT field of testing as specific material Updated correct name for all materials engineering standards Proficiency Testing: Referenced R103a, section V</td>
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