

International Accreditation Service
CERTIFICATE OF ACCREDITATION

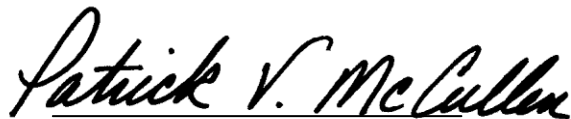
This is to signify that

INTERTEK TESTING SERVICES NA, INC.


16015 SHADY FALLS ROAD
ELMENDORF, TEXAS 78112-9784

Testing Laboratory TL-143
(Revised November 4, 2011)

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ANS/ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*, and has been accredited, commencing May 28, 2010, for the test methods listed in the approved scope of accreditation.



Patrick V. McCullen
Vice President



C. P. Ramani, P.E.
President



Print Date: 12/13/2011

(see attached scope of accreditation for fields of testing and accredited test methods)

*This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation.
See the IAS Accreditation Listings on the web at www.iasonline.org for current accreditation information, or contact IAS directly at (562) 364-8201.*

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International Accreditation Service

SCOPE OF ACCREDITATION

Intertek Testing Services NA, Inc. TL-143
(Revised November 4, 2011)

Intertek Testing Services NA, Inc.
16015 Shady Falls Rd
Elmendorf, TX 78112-9784

Mike Dey
Operations Manager
(607) 753-6711

| FIELDS OF TESTING | ACCREDITED TEST METHODS |
|--------------------------------------|--|
| Fire testing of: Building assemblies | ASTM Standards E 84, E 119, E 1321, E 1529, E 1623 E 2307, E 2336, and F1704; 1997 UBC Standards 7-1, 8-1, 26-3, 26-8 and 26-9; 1997 UMC Standard 6-2; UL Standards 72, 263, 723, 900, 910, 1709, 1715, 1724, 1820, 1887, 1975, 2024, 2043, 2079 and 2085; ULC/ORD-C 376; ISO Standards 834, 9705 and 22899; BS Standard 476, Parts 4, 20, 21 and 24; CAN/ULC-S Standards 101-M89, S 102, S 102.2, S 134, S 135 and ULC S111; NFPA Standards 251, 255, 285 and 286 and 415 (Sections 6.4 and 6.5) 16 CFR 1632.6; JIS Standard A1321 (Intermediate Scale Calorimeter) United States Coast Guard (USCG) FTP Code Part 3, OTI 95 634, MIL-STD-3020 Test methods as referenced in Sections 3.4.4 and 3.4.5 and in Appendixes A1.2.1, A2.2.1, C and X2.1 of ICC-ES Acceptance Criteria AC377; BAAQMD Reg 6 No. 2; SFM 12-7A-4 |
| Fire doors | ASTM Standard E 2074; Test methods referenced in Section 3.0 of ICC-ES Acceptance Criteria AC84 and Sections 9.0 and 11.0 of AC97; 1997 UBC Standard 7-2; UL Standards 6B, 10A/10B and 155; ULC Standard C155; ISO Standard 3008; CAN 4-S 103 and CAN 4-S 104 M 80; Doors and Access System Manufacturers Association (DASMA) 107; USCG FTP Code Part 4; NFPA Standard 252 |

May 28, 2010
Commencement Date



C. P. Ramani
C. P. Ramani, P.E.
President

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|--|---|
| Fire windows | ASTM Standards E 163 and E 2010; 1997 UBC Standard 7-4; UL 9; ISO Standard 3009; CAN 4-S 106 M 80; NFPA Standard 257 |
| Fire testing of: Floor and roof covering | ASTM Standards E 108, E 648 and E 970; Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC30, Section 4.0 of AC39; Section 5.0 of AC121 and Sections 4.0 and 5.0 of AC142; UL Standards 790 and 1256; CAN/ULC-S 107-M 87, CAN/ULC-S 124-M 85, CAN/ULC-S 126; NFPA Standards 253, 256 and 288 |
| Fire stops | ASTM Standards E 814, E 1966 and E 2336; Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC30, Section 4.0 of AC35, Section 4.0 of AC101 and Section 5.0 of AC121; 1997 UBC Standard 7-5; UL Standards 555, 1479, 1978 and 2221; ISO Standard 6944; CAN 4-S 112.2-M85, CAN 4-S 115 and CAN/ULC-S 112-M90; NFPA Standards 262 and 265; IEEE Standard P848 D16 |
| Furniture and mattresses | ASTM Standards E 1537 and E 1590; 1997 UBC Standard 8-2; UL Standards 214, 1056 and 1895; ISO Standards 8191-1 and 8191-2; NFPA Standards 260, 261 and 266; Boston Fire Department (BFD) Bag Test, BFD Sect. 11.2 and 11.3, BFD IX-1, BFD IX-10 and BFD IX-11; CA TB 106, CA TB 116, CA TB 117, CA TB 121, CA TB 129, CA TB 133, CA TB 603; International Maritime Organization (IMO) Resolutions A.471 (XII), A.563 (14), A.652(16), A.688(17) and A.754(18); Michigan Full Scale Mattress Test; NY CAL 294-40-SR, Port Authority of NY and NJ-FAR 25.853; Upholstered Furniture Action Council (UFAC); USCG FTP Code Part 8, USCG FTP Code Part 9; 16 CFR 1632.5 and 1633 |

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|------------------------|--|
| Miscellaneous | Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC110; NFPA Standards 701, 702 and 703; American Petroleum Institute (API) 6 FA, API 607; USCG FTP Code Part 7; USCG PFM 2-98; CAN/ULC-S 109-M 87 |
| Flammability | ASTM Standards C 1166, D 3675, D 4804, E 162, E 1352, E 1353, E 1354 and E 1590; UL Standard 94; BS Standards 5852, 6807, 7175, EN 597-1, EN 597-2, EN 1021-1 and EN 1021-2; BSS Standard 7239; CAN 2.4-162, CAN/ULC-S 127; CAN/CGSB 4.2.27.5; NFPA Standards 267, 268 and 285; CA State Fire Marshal Title 19; 16 CFR 1610.4, 16 CFR 1630.4, 16 CFR 1632.1, 16 CFR 1632.4 and 49 CFR 571.302; JIS Standard D 1201; CPAI-84; CS 191; Department of Commerce (DOC) DOC -FF-1-70, DOC-FF-2-70, DOC-FF-4-72; Federal Motor Vehicle Safety Standard (FMVSS) 302; Federal Test Method Standard (FTMS) 191 Method 5900, FTMS 191 Method 5903, FTMS 191 Method 5906 and FTMS 191 Method 5908; PA of NY and NJ-Radiant Panel; AS/NZS 1660.5.6:2005 |
| Small scale fire tests | ASTM Standards, E 136, E 662, and E 1354 |
| Thermal transmission | ASTM Standard C 518-97; 1997 UBC Standard 26-2 |

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|--|--|
| Physical | ASTM Standards E 72, E 455, E 564 (limited to 8' wide walls), E 661, E 695, E 935, E 1399, E 1514, E 1592, E 1637, E 2322 and F 2519 (except Sections 6.4, 6.5, 8.5 and 8.8); UL Standard 1784; Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC04 (except Appendix A), Section 4.0 of AC15, Section 4.0 of AC86, and Section 4.1 of AC269; FM Standards 4470 (Appendixes C, D and K), 4474 (Appendixes B, C and D), 4471 (Section 5.3 and Appendix D); TAS 114 (Appendixes C, D and J); CISCA 2007; UL Standards 710B and 710C |
| Aircraft compartment interiors fire test | Port Authority (PA) of NY and NJ-FAR 25.853 (Test Procedure showing compliance with Sections 25.853, 25.855 and 25.1359 only); PA of NY and NJ-Radiant Panel |
| Electrical fire testing | CSA C22.2 No. 0.3-01 (Sections 4.11.1, 4.11.2, 4.11.3, 4.11.4 and 4.11.7 only.); CSA C22.2-211-03. (Section 6.16 only); FAA - AC 20-135 (Section 6 only); ICEA T-29-520; IEC 60331-11; IEC 60332-1-2; IEC 60332-1-3; IEC 60332-2-2; IEC 60332-3-10, IEC 60332-3-21; IEC 60332-3-22; IEC 60332-3-23; IEC 60332-3-24; IEC 60332-3-25; MIL-PRF-85045F (Sections 4.7.6.12.1 and 4.7.6.12.2 only); MIL-PRF-85045-15B (flame extinguishing property only); MIL-PRF-85045-17B (flame extinguishing property only); UL Standards 710, 1581, 1666 and 1685 (up to Section 19 only) and IEEE Standard 1202 |

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