



INTERNATIONAL
ACCREDITATION SERVICE
Leading Accreditors Since 1975

Steps to IAS AC478 Accreditation

WHAT IS REQUIRED ?



WHO IS IAS?

- Subsidiary of International Code Council (ICC)
- Nonprofit Organization
- Board and Committee Members include Code Officials
- Process for developing accreditation criteria is in open public hearings (also online)
- Nationally and internationally recognized accreditation body

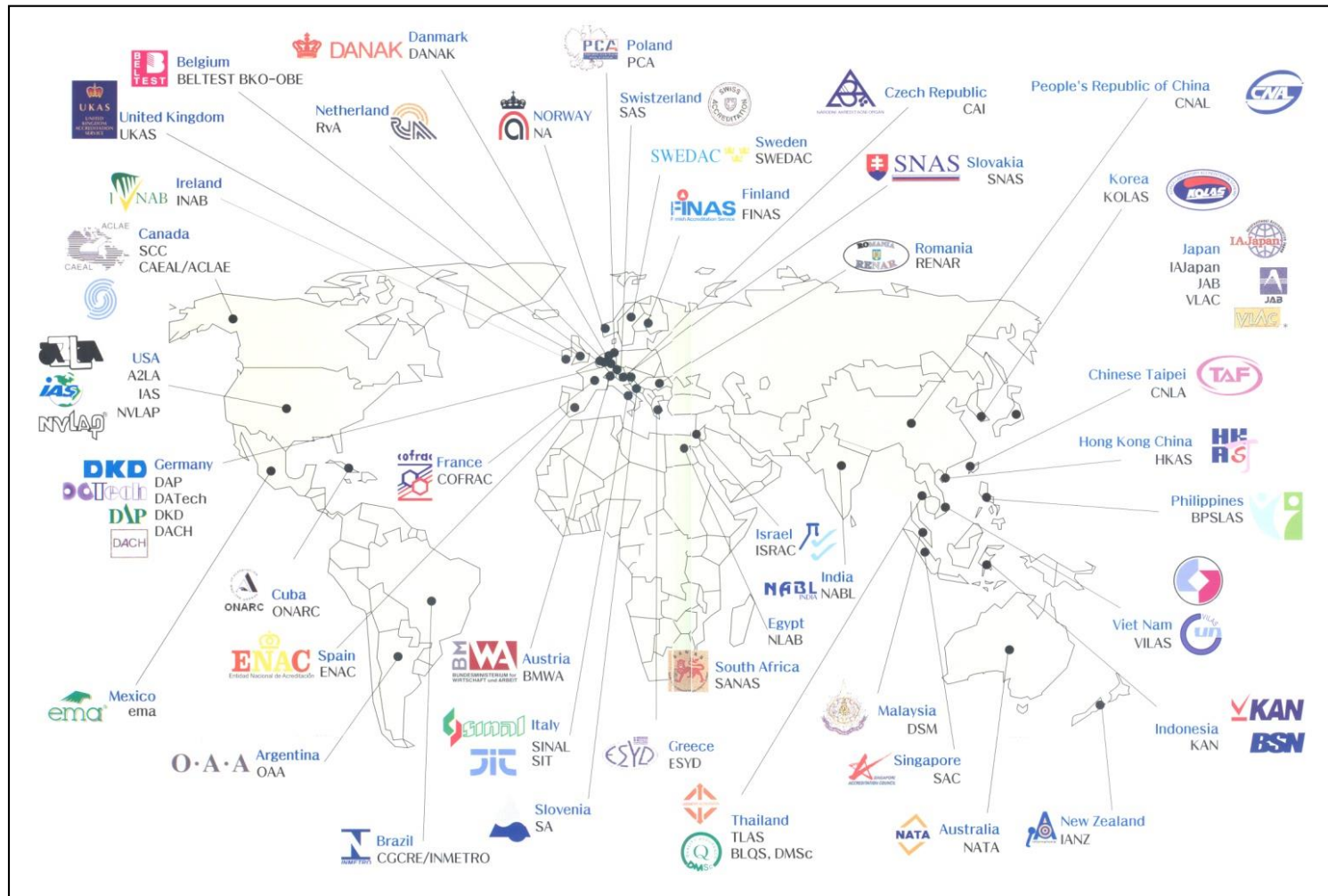


IAS is Recognized

- International Code Council
- ICC Evaluation Service
- Governments from over 50 countries that make up APLAC and ILAC
- U.S. City, county and state building departments
- U.S. Coast Guard
- U.S. Environmental Protection Agency
- U.S. Federal Emergency Management Agency
- U.S. Federal Highway Administration (FHWA)
- United States Marines
- United States Navy
- Metal Building Manufacturers Association
- International Fire Door Inspectors Association
- Fire Stop Manufacturers Association

IAS Accreditation

Provides global recognition through ILAC/APLAC MRAs



IAS Has ~~16~~ 17 Accreditation Programs

- Metal Building Systems Inspections
- Building Departments
- Testing Laboratories
- Calibration Laboratories
- Inspection (Quality Control) Agencies
- Fabricator Inspections
- Special Inspection Agencies
- Product Certification Agencies
- Field Evaluation Bodies
- Training Agencies
- Curriculum Development
- Personnel Certification Bodies
- Building Department Service Providers
- Fire Prevention and Life Safety Agencies
- Management System Certification Bodies
- Commissioning Training & Certification Agencies
- **INSPECTION PRACTICES OF METAL BUILDING ASSEMBLERS**

Accreditation vs Certification

What Difference Does it Make?

- **Certification** – Focus is on an individual's qualifications.
- **Accreditation** – Focus is on the organization/company, staff qualifications, equipment, materials, procedures, policies, applicable codes, etc.

Accreditation Is...

A Management Approach

It all begins with top management support

Build Quality “IN” because you can’t Inspect Quality “IN”


Inspection is simply Verification

AC472 (Accreditation Criteria)

- **INSPECTION PROGRAM FOR MANUFACTURING
OF METAL BUILDING SYSTEMS AC-472**

INTERNATIONAL ACCREDITATION SERVICE, INC.

5360 Workman Mill Road - Whittier, CA 90601 USA
562-364-6201 local - 866-427-4422 toll free - 562-699-9031 fax
www.iasonline.org web site - info@iasonline.org e-mail



ACCREDITATION CRITERIA FOR INSPECTION PROGRAMS FOR MANUFACTURERS OF
METAL BUILDING SYSTEMS

AC472

August 2012
(Effective September 1, 2012)
(Editorially revised September 4, 2013)

(Previously Issued April 2008, September 2008, May 2010, and April 2011)

PREFACE

The attached accreditation criteria has been issued to provide all interested parties with guidelines on implementing performance features of the applicable standards referenced herein. The criteria was developed and adopted following public hearings conducted by the International Accreditation Service, Inc. (IAS), Accreditation Committee and is effective on the date shown above. All accreditations issued or reissued on or after the effective date must comply with this criteria. If the criteria is an updated version from a previous edition, solid vertical lines (|) in the outer margin within the criteria indicate a technical change or addition from the previous edition. Deletion indicators (---) are provided in the outer margins where a paragraph or item has been deleted if the deletion resulted from a technical change. This criteria may be further revised as the need dictates.

IAS may consider alternate criteria provided the proponent submits substantiating data demonstrating that the alternate criteria are at least equivalent to the attached criteria and otherwise meet applicable accreditation requirements.

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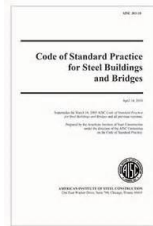
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IAS/MS/004
August 10, 2012
Editorially revised September 4, 2013

IAS AC472 Accredited Manufacturers



Metal Building Contractors and Erectors Association



**METAL BUILDING
CONTRACTORS & ERECTORS
ASSOCIATION**

METAL BUILDINGS INSTITUTE™



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3060 Saturn Street, Suite 100
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tel: 866.427.4422
fax: 562.699.8031
www.iasonline.org

PROPOSED ACCREDITATION CRITERIA FOR INSPECTION PROGRAMS FOR METAL BUILDING SYSTEMS ASSEMBLY

AC478

Proposed February 2015

PREFACE

The attached accreditation criteria has been proposed to provide all interested parties with an opportunity to comment. If the proposed criteria is an updated version from a previous edition, underlined text within the criteria indicate a technical change or addition from the previous edition; and text marked with the strikethrough indicates where a paragraph or item has been deleted if the deletion resulted from a technical change. This criteria may be further revised as the need dictates.

IAS may consider alternate criteria provided the proponent submits substantiating data demonstrating that the alternate criteria are at least equivalent to the attached criteria and otherwise meet applicable accreditation requirements.

**MBCEA Requested an IAS Criteria
And Made It Happen!**

AC478 Accreditation Verifies Competence

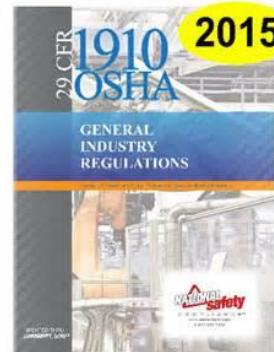
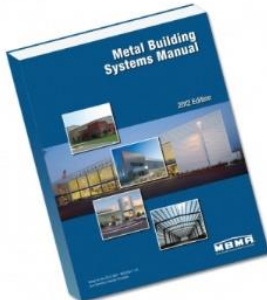
Companies must demonstrate that they have the **personnel, organization, experience, knowledge, procedures and commitment** to assemble metal building systems in accordance with specified requirements.



METAL BUILDINGS INSTITUTE™



**METAL BUILDING
CONTRACTORS & ERECTORS
ASSOCIATION**



Accreditation Process

1. Submit an application and fee
2. Select an IAS accredited inspection agency (AA)
3. The selected inspection agency (AA):
 - Reviews your documented management system & cross-reference matrix
 - Sends IAS a letter of sufficient compliance to AC478 to schedule an on-site joint assessment
 - Must be present during the initial joint assessment
4. Meet all the requirements of AC478 during/after assessment

Accreditation Process (Cont.)

Assessment Schedules of IAS and Inspection Agency:

- Accredited Inspection Agency inspects annually;
- IAS assess during the Initial assessment;
- IAS assesses after 1 year anniversary of accreditation;
- And, IAS assesses every TWO years thereafter;
- IAS will perform during alternate years a Desk Assessment during the alternate year, as specified in Section 7.3 of AC478

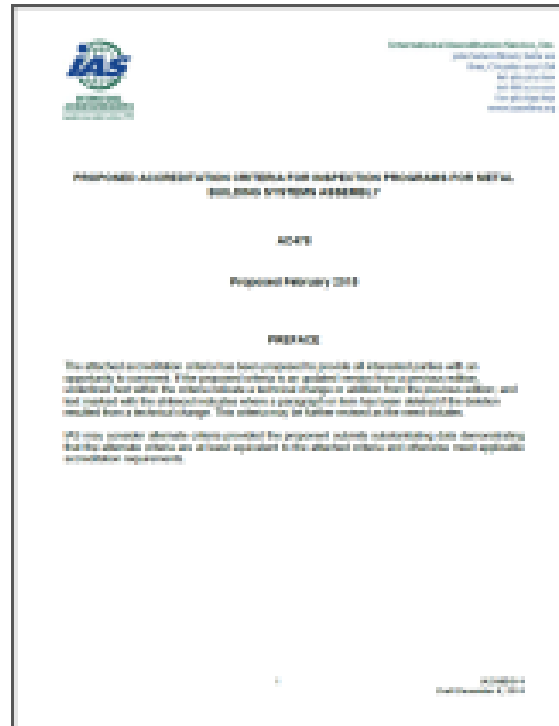
AC478-Rules-Application-Fee

- | | |
|--------|--------------------------------------------|
| Step 1 | AC478 |
| Step 2 | Rules of Procedure |
| Step 3 | Application |
| Step 4 | Fee Schedule |
| Step 5 | Select an IAS Accredited Inspection Agency |

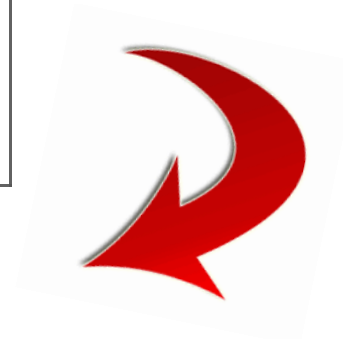


Step 1 Download Criteria

AC478



[478 Feb 2015.docx](#)



Step 2 Download Rules

Rules of Procedure AC478



[MBA-Rules-AC-478-4-15-2015.doc](#)

Step 3 Download Application

Application

**APPLICATION FOR ACCREDITATION OF INSPECTION PRACTICES OF
METAL BUILDING SYSTEMS ASSEMBLERS**

*For IAS Internal Use
Listing No. _____*

☐ New accreditation ☐ Company Name Change ☐ Renewal

If this is a new request for accreditation, a copy of the applicant's management system manual, complying with the IAS Accreditation Criteria for Inspection Practices of Metal Building Systems Assemblers (AC478), should be submitted with the application. ☐ One Year

1. NAME OF APPLICANT (COMPANY NAME) _____
(exactly as it should appear on IAS listing)

2. FACILITY STREET ADDRESS _____
Address (exactly as it should appear on listing) _____ City _____
State/Province _____ Zip/Postal Code _____ Country (if other than U.S.A.) _____

3. MAILING ADDRESS _____
Address _____ City _____
State/Province _____ Zip/Postal Code _____ Country (if other than U.S.A.) _____

4. TELEPHONE NO. () _____ FAX No. () _____

5. E-MAIL ADDRESS _____ WEB ADDRESS _____

6. Name and title of applicant's technical representative _____
Name _____ Title _____
Address _____
Phone number _____ Fax number _____ E-mail _____

7. Name of third-party IAS accredited inspection agency _____

8. Within the past five years have any of your accreditations been revoked, withdrawn, placed on suspension, and/or removed from listing? If "yes" please explain on a separate page. ☐ No ☐ Yes

9. If this is a renewal, please answer the three questions below. If you answer "yes" to any of the questions, please explain on a separate sheet and/or include appropriate supporting documentation.

a. Since the last time your company applied for IAS accreditation, have there been any changes in ownership or in key management, technical, or quality assurance personnel? ☐ No ☐ Yes

b. Since the last time your company applied for IAS accreditation, have there been any changes in the documented quality system? ☐ No ☐ Yes

c. Are you aware of any complaints, from your company's clients or others, about the services covered by this application? ☐ No ☐ Yes

By signing, the applicant agrees that all the information presented in the above application is true and correct, and to abide by the
CONDITIONS FOR APPLICATION listed on page 2.

Authorized Signature for Applicant _____
Name of Signer (type or print) _____
Title _____



[MBA-App-AC-478-4-15-2015.doc](#)

Step 4 Download Fee Schedule

Fee Schedule

FEE SCHEDULE FOR IAS ACCREDITATION PROGRAM FOR INSPECTION PRACTICES OF METAL BUILDING SYSTEMS ASSEMBLERS, AC-478 Effective: JULY 1, 2015

NEW APPLICATIONS (1-YEAR PERIOD)

Accreditation Fee¹

¹Number of Ironworkers directly involved in activities related to the assembly of metal buildings; does not include administrative personnel.

Number of Job-Site Personnel: 01-16.....	\$3650
Number of Job-Site Personnel: 17-32.....	\$4650
Number of Job-Site Personnel: 33 and above.....	\$5650

Desk Assessment (3rd year, 5th year, 7th year, etc.)

Accreditation Fee^{1&2}

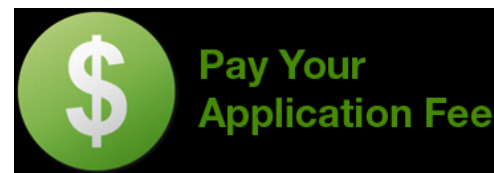
Number of Job-Site Personnel: 01-16.....	\$1950
Number of Job-Site Personnel: 17-32.....	\$2250
Number of Job-Site Personnel: 33 and above.....	\$2450

Payment Options:

Check, Credit Card: , Wire Transfer, EFT. For credit card, wire transfer or EFT payments please contact Carrie Bivens at cbivens@iasonline.org or phone 1-866-427-4422 Ext: 3309.

NOTES:

1. Accredited metal building assemblers are subject to an on-site re-assessment by IAS for the initial assessment, 12 months after accreditation, and thereafter every two years.
2. Included in the desk assessment fee is \$125/hour to review the submittals as listed in AC478 Section 7.3. It is estimated the desk assessment will take a minimum of two (2) to four (4) hours; those with greater than 33 Ironworkers may expect the review to be four (4) hours.
3. A fee of \$1000 per assessor day, plus travel-related expenses (airfare, hotel, meals, mileage, etc.), Travel time for assessors is billed at the rate of \$800 per day, is applicable for each investigation "for cause", such as, a formal complaint filed by a building official, significant changes in management or technical personnel, etc.. (Does not apply to change in Ironworkers) when such complaints necessitate an on-site visit to investigate such complaints.
4. All Corrective Action Requests (CARs) and concerns which are generated during an IAS assessment, reassessment, follow up, surveillance or investigations as a result of a formal complaint filed by a building official must be satisfactorily resolved prior to issuance of the accreditation certificate. In some cases, repeated exchanges of communication may be necessary to close out CARs and Concerns. When more than four (4) hours of IAS staff time are needed to resolve CARs and Concerns, an additional fee of \$125 per hour, or fraction thereof, will be charged. In some instances, it may be necessary for staff to revisit a job site or office location to ensure effective implementation of such corrective action requests. In this case, the additional fees in Note 3 A will apply.
5. All fees listed in this schedule apply to metal building assembler applicants located in North America (U.S.A., Canada and Mexico). For a breakdown of fees for agencies located outside of North America, please contact us at 562-364-8201.
6. IAS Accreditation fees do not include fees charged by the IAS accredited inspection agency to perform annual inspections.



[MBA-Fee-4-15-2015 R1 \(2\).docx](#)



Step 5 Select an IAS Accredited Inspection Agency



Current list of IAS accredited Inspection Agencies (AA) expressing interest in serving MBA for AC478:

AA-676

Architectural Testing, Inc.

Dan Wise or Ron Reed
130 Derry Ct
York, PA 1740
(717) 764-7700

AA-672

Applied Testing & Geosciences, LLC

Craig Joss
401 E. Fourth St., Bldg. 12B
Bridgeport, PA 19405
(610) 313-3227

AA-715

Farabaugh Engineering and Testing Inc.

Paul Farabaugh
401 Wide Dr
McKeesport, PA 15135
(412) 751-4001

Overview of Process

- Metal Building Assembler submits application, documented management system, cross reference matrix and letter of sufficient compliance from inspection agency
- File number issued and assessor assigned to ensure sufficient documentation is present
- Applicant contacted for clarification of documented management system, if necessary, and to schedule an on-site assessment
- On-site assessment conducted at facility
- Assessment report given to client with assessment findings, if any
- Resolution of assessment findings
- Accreditation certificate issued and posted on web
- Assessments by IAS every two (2) years
- Annual inspections by IAS Accredited Inspection Agency
- IAS assesses after 1 year anniversary of accreditation
- IAS will perform during alternate years a Desk Assessment during the alternate year, as specified in Section 7.3 of AC478

Overview of Fees

Time	IAS	AA-Fee	AA Inspection	Internal Prep
Year 1	\$3650	\$1000	\$1250	?
Year 2	\$3650	\$1000	\$1250	?
Year 3	\$1950	\$1000	\$1250	?
Year 4	\$3650	\$1000	\$1250	?
Year 5	\$1950	\$1000	\$1250	?

AA Fees are estimates. Actual charges may vary between agencies.

FAQ

AC478 Requires MBA's to Have...

Safety Manager, Training Manager and Quality Manager



How Many Managers Do I Need?

FAQ (cont.)

How Many Managers Do I Need?

Safety Manager, Training Manager and Quality Manager?



FAQ (cont.)

How Many Managers Do I Need?

Safety Manager, Training Manager AND Quality Manager?



FAQ

IAS Assessments

What does IAS look at during the assessment?

- A site-specific project plan
- Daily jobsite checklist
- JSA's Job Safety Analysis
- Site layout plan
- Quality control plan
- Include a narrative regarding the erection plan
- Qualifications of personnel



Assessors will verify objective evidence that these plans have been effectively implemented. Additionally, IAS assessors will observe the inspection agency and their method of determining compliance of your procedures and the implementation of, in regard to the requirements of AC478

Find an IAS Accredited Organization



The screenshot shows the IAS website homepage. At the top, there is a navigation bar with links for 'about IAS', 'site map', 'contact us', a search bar, and a 'Search' button. Below this is a header section with the IAS logo and the text 'INTERNATIONAL ACCREDITATION SERVICE, Inc. Leading Accreditors Since 1975'. The main content area is divided into three columns. The left column contains a vertical menu with links: 'Accreditation Search', 'News Room', 'Application Information', 'Accreditation Criteria', 'International Connections', 'Training Programs', 'Guidelines & Policies', and language options in Arabic, Chinese, German, and Spanish. The middle column is titled 'News' and contains several news items with brief descriptions and links. The right column is titled 'ACCREDITATION PROGRAMS' and lists various services such as 'Building Department Accreditation', 'Building Department Service Providers', 'Calibration Laboratories', 'Curriculum Development', 'Fabricator Inspection', 'Field Evaluation Bodies', 'Fire Prevention and Life Safety Departments', 'Inspection Agencies', 'Management System Certification Bodies', 'Metal Building Inspection', 'Personnel Certification Bodies', 'Product Certification Agencies', 'Special Inspection Agencies', 'Testing Laboratories', and 'Training Agencies'. A blue arrow points from the 'Accreditation Search' link in the left menu to the first step of the instructions on the right.

1. Visit the IAS website,
www.iasonline.org

2. Click on Accreditation
Search or Metal Building
Inspections

Metal Building Inspections

List of IAS Accredited Metal Building Manufacturers



INTERNATIONAL
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Leading Accreditors Since 1975

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[Español](#)

METAL BUILDING INSPECTION PROGRAM



MBCI, a subsidiary of NCI Building Systems, Inc.

5711 FM-40
Lubbock, TX 79401

[MB-213](#)

Contact: Robert M Reyes
(209) 356-2152

Mesco Building Solutions, subsidiary of NCI Building Systems, Inc.

5244 Bear Creek Ct
Irving, TX 75061

[MB-141](#)

Contact: Robert M Reyes
(209) 356-2152

Metallic Building Company, Sub of NCI Building Sys

7301 Fairview
Houston, TX 77041

[MB-112](#)

Contact: Robert M Reyes
(209) 356-2152

Metallic Building Company, Sub of NCI Building Systems-Atwater Plant

550 Industry Wy
Atwater, CA 95301

[MB-126](#)

Contact: Robert M Reyes
(209) 356-2152

Mid-West Steel Building Company, Sub of NCI Building Sys

7301 Fairview
Houston, TX 77041

[MB-113](#)

Contact: Robert M Reyes
(209) 356-2152

NCI Building Systems, Atwater Plant

550 Industry Wy
Atwater, CA 95301

[MB-125](#)

Contact: Robert M Reyes
(209) 356-2152

NCI Building Systems, Caryville TN Plant

1880 Hwy 116
Caryville, TN 37714

[MB-116](#)

Contact: Robert M Reyes
(209) 356-2152



Example of AC478 Certificate of Accreditation



INTERNATIONAL
ACCREDITATION SERVICE
Leading Accreditors Since 1975

International Accreditation Service

CERTIFICATE OF ACCREDITATION

This is to signify that

YOUR COMPANY NAME
Your Street Address
YOUR CITY, STATE AND ZIP

Inspection Practices of Metal Building Assemblies MBA-XXX

has demonstrated that its field inspection program is in compliance with the International Accreditation Service, Inc., Accreditation Criteria for Inspection Practices of Metal Building Assemblies (AC478) commencing {Date} accreditation was achieved.

Procedures covered by this certificate are conducted in accordance with the organization, named above, approved management system. Periodic inspections are conducted by an IAS accredited inspection agency that is approved by IAS for this specific discipline, to monitor the management system verifying continual compliance with the requirements as listed in the above scope of accreditation. Accreditation is limited to the assembly processes and procedures only. Accreditation does not cover the product, or the specific design or performance characteristics of assembled products or compliance with safety regulations.

Sandi McCracken
Program Manager



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

Print Date: 7-1-2015

This accreditation certificate is sponsored by IAS accreditation certificate bearing an earlier date. This certificate becomes invalid upon suspension, cancellation or revocation of accreditation.
See the IAS Accreditation Listings on the web at www.iasinc.org for current accreditation information, or contact IAS directly at (862) 464-8233.

AC472 and AC478 complement each other

Metal Building Manufacturers

Metal Building Manufacturers

MBMA
Members are
IAS Accredited

INTERNATIONAL ACCREDITATION SERVICE, INC.

ACCREDITATION CRITERIA FOR INSPECTION PROGRAMS FOR MANUFACTURERS OF METAL BUILDING SYSTEMS

AC472

August 2012
(Effective September 1, 2012)
(Editorially revised September 4, 2012)

(Previously Revised April 2008, September 2008, May 2010, and April 2011)

PREFACE

The attached accreditation criteria has been issued to provide an intended parties with guidelines of requirements, performance measures of the accreditation process, information about the process, and a description of the accreditation process. The criteria are developed and adopted through public hearings, distributed to the International Accreditation Service, Inc. (IAS), International Commission and a Public in the field of the process, as accreditation is based on the criteria. The criteria are not intended to be a standard, but rather a guide to the accreditation process. The criteria are not intended to be a standard, but rather a guide to the accreditation process. The criteria are not intended to be a standard, but rather a guide to the accreditation process.

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IAS accredits over 100 Metal Building Manufacturers

Metal Building Contractors and Erectors

Metal Building Contractors and Erectors Association

INTERNATIONAL ACCREDITATION SERVICE, INC.

PROPOSED ACCREDITATION CRITERIA FOR INSPECTION PROGRAMS FOR METAL BUILDING SYSTEMS ASSEMBLY

AC478

Proposed February 2015

PREFACE

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MBCEA Requests an IAS Criteria

Technical Assessors and Experts AC478 Inspection Programs for Metal Building Systems Assembly



Technical Assessors and Experts are being sought, on a contract basis, with specific knowledge of the assembly of metal building systems specific to International Accreditation Service, Inc. AC478 Inspection Programs for Metal Building Systems Assembly

Technical Assessors and Experts

AC478

Technical Requirements



Technical Requirements

- Must have knowledge of contract requirements, inspection techniques and assembly procedures that, in part, include site specific safety plans, bolting, welding, reading metal building system drawings, erecting structural steel and installing members and components such as wall panels.
- Documented and demonstrated knowledge of ISO/IEC Standard 17020 or ISO/IEC 9001, or equivalent, and have completed Metal Buildings Institute Quality and Craftsmanship Training Series or Ironworker Quality Construction Practices Metal Building Systems Training; and OSHA 29 CFR § 1926.760 10/30 hour construction training on the recognition, avoidance, abatement, and prevention of safety and health hazards in workplaces in the construction industry.

Technical Assessors and Experts

AC478



Technical Requirements (cont.)

- Must demonstrate assessment competencies that include knowledge of IAS policies and processes
- An assessor who has auditing or inspection background is required and will be given additional training to conduct the assessments in accordance with IAS AC478 requirements
- The trained assessor will be evaluated on, knowledge of assessment process, preparation and organization skills, oral communication techniques, Information collection skills, efficiency and effective use of time, leadership, tenacity, firmness, objectivity and judgment.

www.iasonline.org

<http://www.iasonline.org/index-t.html>

Sandi McCracken

IAS Program Manager

smccracken@iasonline.org

866-427-4422 x3442