

QUALITY ASSURANCE

FOR

AISC

NUCLEAR

QUALITY CERTIFICATION PROGRAM

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TABLE OF CONTENTS

	<u>PAGE</u>
1. INTRODUCTION	1 to 3
11. CRITERIA 1 - ORGANIZATION	4
A. AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.	4
1. Membership	4
2. Board of Directors	4
3. Chairman of the Board	5
4. President	5
5. Vice President Engineering	5
6. Director Quality Certification	5
7. Committee on Quality Certification	6
B. ABS WORLDWIDE TECHNICAL SERVICES, INC.	8
1. President	8
2. Senior Vice President	8
3. Assistant Vice President	8
4. Quality Assurance Manager	8
5. Project Manager	9
6. Lead Auditor	9
7. Auditor	10

	<u>PAGE</u>	
IV	CRITERION V - INSTRUCTIONS AND PROCEDURES	17
	A. General	17
	B. Procedures Preparation - Processing and Review	17
V	CRITERION VI DOCUMENT CONTROL	18
	A. Program Report Distribution and Control	19
	B. Procedure Distribution and Control	19
	C. AISC Register Distribution	19
	D. AISC Contract with ABSTECH	20
VI	CRITERION XV - Non Conformances	21
VII	CRITERION XVI - CORRECTIVE ACTION	22
	A. AISC	22
	1. Committee on Quality Certification	22
	B. ABSTECH	22
	1. AISC Director Quality Certification	22
	C. Structural Steel Fabricators	22
	1. ABSTECH Inspection-Evaluation Team	22

The Director of Quality Certification shall have the following qualifications:

- (a) Fabrication Experience - Minimum of three years experience in the following positions:
  - Structural steel detailer
  - Structural steel estimating
  - Shop supervision
- (b) Engineering degree from an accredited University and/or a registered Professional Engineer.
- (c) Knowledge of quality assurance and quality control of structural steel fabrication for the nuclear industry.
- (d) Administrative and management ability.
- (e) Possess abilities to fulfill the described duties.

7. Committee on Quality Certification

The members of this committee shall be individuals with knowledge of Quality Certification. This committee, under a Chairman appointed by the Chairman of the Board, shall develop certification policy and recommend that policy to the Board of Directors for their approval. It also assesses the effectiveness of the program. The committee will be composed of nine members as follows:

- (a) Eight members appointed by the Chairman of the Board
- (b.) The Director of Quality Certification

This committee also develops the criteria for Nuclear Quality Certification, Application Instructions, Program Description, Topical Report and Operating Procedures.

Two members of the committee, appointed by the Chairman, shall audit the Director Quality Certification annually for compliance

2

with operating procedures and this report.

This committee also develops the criteria for Non-Nuclear Quality Certification, Application Instructions, Program Descriptions and Operating Procedures.

B. ABS Worldwide Technical Services, Inc., (ABSTECH)

AISC has entered into a contract with ABSTECH to perform the inspection-evaluation of plants under the AISC Quality Certification Program in accordance with standard check lists provided by AISC.

ABSTECH provides high quality third party services that assure compliance with established standards.

ABSTECH is a subsidiary company of the American Bureau of Shipping, which is a non-profit ship classification society serving the maritime industry.

ABSTECH is managed by a President and Senior Vice President. The ABSTECH organizational chart for AISC Quality Certification is attached as Figure 1.

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1. President

The President is also President of the American Bureau of Shipping. Operating duties are delegated to the Senior Vice President.

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2. Senior Vice President

The Senior Vice President is the Chief operating officer of the company.

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3. Assistant Vice President

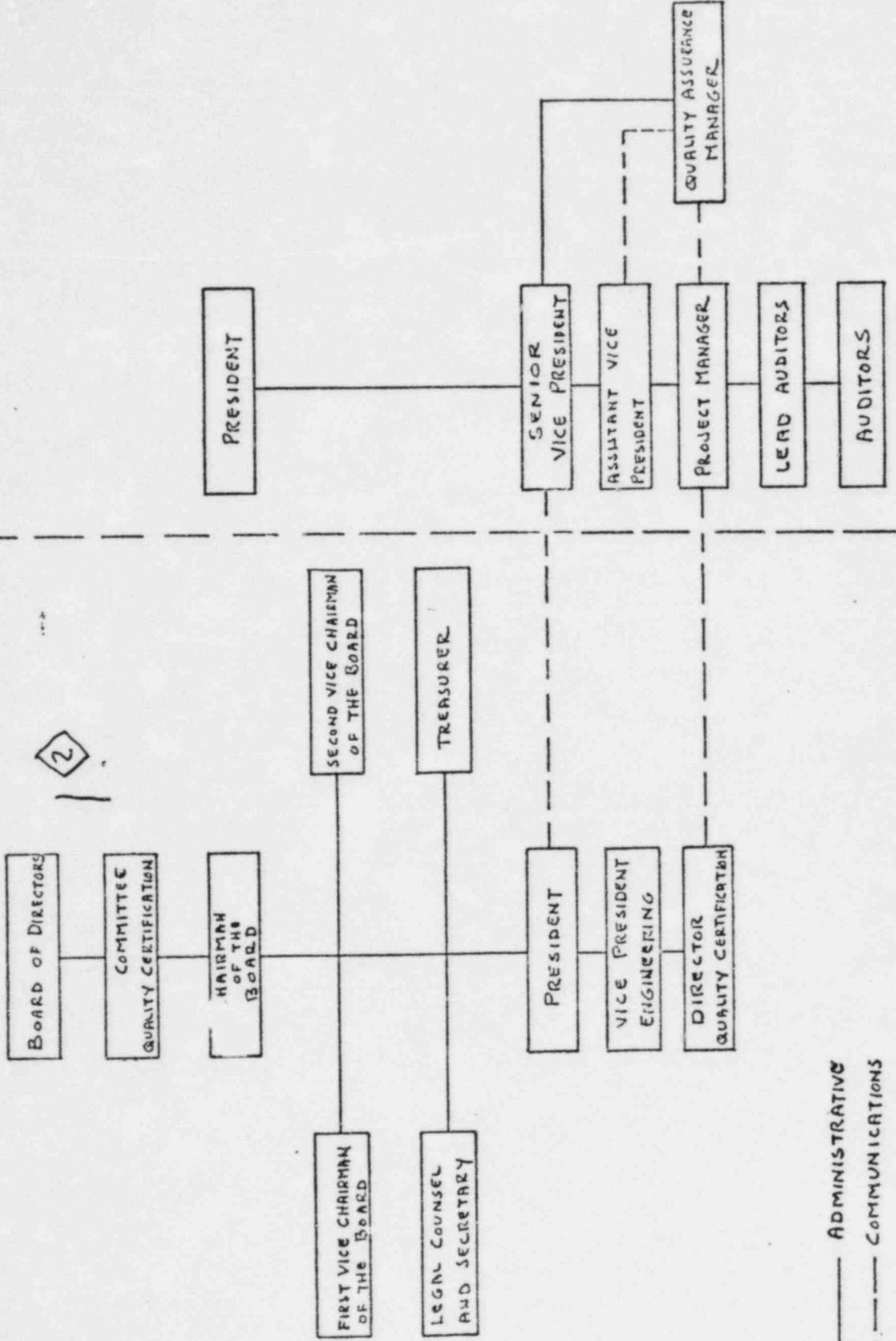
The Assistant Vice President reports to the Senior Vice President and is responsible for all field activities.

4. Quality Assurance Manager

The Quality Assurance Manager is responsible for monitoring ABSTECH's internal quality assurance program.

ORGANIZATIONAL CHART

AISC ← ABSTECH →



— ADMINISTRATIVE  
 - - - COMMUNICATIONS

I. Financing

AISC is a non-profit organization. Fabricators requesting certification will pay fees to AISC to cover the cost of program development, survey costs and the costs of administering the program. Non-members of AISC will be charged for copies of the Inspection-Evaluation Check List and AISC Register.

2 | J. Effectiveness of Program

The AISC Committee on Quality Certification shall assess the scope, status, implementation and effectiveness of the Quality Assurance Program once every calendar year to assure that the program is adequate and complies with 10 CFR 50, Appendix B criteria.

SECTION IV

CRITERION V - INSTRUCTIONS AND PROCEDURES

A. General

2 | All procedures effecting the quality-related activities of the AISC Quality Certification Department, shall be coordinated with the Committee on Quality Certification for approval. AISC Quality Certification Department procedures cover such topics as the following:

1. AISC Quality Certification Program Description.
2. AISC Quality Certification Program Application Instructions
3. Inspection-Evaluation Check List Category I
4. Inspection-Evaluation Report Category I
5. Inspection-Evaluation Check List Category II
6. Inspection-Evaluation Report Category II
7. Supplement for Nuclear Power Plant Description
8. Supplement for Nuclear Power Plants Application Instructions
9. Inspection-Evaluation Check List Nuclear Power Plants
10. Inspection-Evaluation Report for Nuclear Power Plant Supplement

B. Procedures, Preparation, Processing and Review

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Committee on Quality Certification shall:

1. Draft and revise procedures as needed.
2. Review procedures and revisions to ensure that they are consistent with requirements of this Topical Report and that applicable criteria of 10 CFR 50, Appendix B, are addressed.
3. Ensure that procedures and revisions are presented to the Committee on Quality Certification for acceptance action.
4. Present to the Director of Quality Certification all procedures and revisions accepted by the Committee on Quality Certification.
5. Maintain records on procedures and revisions submitted for processing and review.

SECTION V

CRITERION VI - DOCUMENT CONTROL

A. Program Report Distribution and Control

Controlled copies of this report shall be issued to the Chairman of AISC Committee on Quality Certification, to the ABSTECH Project Manager and to the AISC Director Quality Certification. Other controlled copies may be issued at the discretion of the AISC Director Quality Certification as requested; uncontrolled copies will be issued to AISC member companies and any other interested parties. Programmatic changes to this report shall be submitted for Nuclear Regulatory Commission review before implementation of the change. Organizational changes shall be reported to the Nuclear Regulatory Commission within thirty days of the change.

B. Procedure Distribution and Control

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Copies of AISC Nuclear Certification procedures shall be maintained by AISC and ABSTECH. Copies will be available upon request by any interested party. A master list of current revisions shall be maintained by AISC and ABSTECH. A Master list of superseded documents shall be maintained by AISC and ABSTECH. The Committee on Quality Certification and the Board of Directors shall approve the procedures and any changes thereto. This approval shall be signified by the Committee Chairman's signature on these procedures.

SECTION VII

CRITERION XVI - CORRECTIVE ACTION

A. AISC

2 | 1. Committee on Quality Certification

The Committee on Quality Certification shall evaluate any unsatisfactory conditions discovered by audit of the Director Quality Certification, or by any other means, and determine the need for corrective action. A review shall be made of corrective action proposed to preclude recurrence of an adverse condition. The committee shall also conduct a follow-up review to verify implementation of corrective action and to close out the corrective action documentation.

B. ABSTECH

1. AISC Director Quality Certification

The AISC Director Quality Certification shall evaluate any unsatisfactory conditions discovered by audit of ABSTECH, or by any other means, and determine the need for corrective action. A review shall be made of corrective action proposed to preclude recurrence of an adverse condition. He shall also conduct a follow-up review to verify implementation of corrective action and to close out the corrective action documentation.

C. STRUCTURAL STEEL FABRICATORS

1. ABSTECH Inspection-Evaluation Team

The ABSTECH inspection-evaluation team shall evaluate any unsatisfactory conditions discovered by audit of the fabricator, or by any other means, and determine the need for corrective action. A review shall be made of corrective action proposed to preclude recurrence of an adverse condition. They shall also conduct a follow-up review to verify implementation of corrective action and to close out corrective action documentation.

SECTION IX

CRITERION XVIII - AUDITS

A. AISC

1. General

The Director Quality Certification shall annually audit ABSTECH for compliance with the operating procedures and this report. He shall annually audit the ABSTECH Project Manager, Lead Auditors and auditors for proper training and the following program guidelines:

- (a) Review of applications for completeness by the audit team.
- (b) Confirmation of application data at the plant.
- (c) Proper interviews with supervisory and subordinate employees.
- (d) Observation and rating of the organization in operation.
- (e) Conduct of the exit interview.
- (f) Proper re-audits - if required.
- (g) Qualifications of lead auditors and auditors.

2 } Two members of the AISC Committee on Quality Certification shall annually audit the Director Quality Certification for compliance with the operating procedures and this report.

2. External Audits

Audits performed by the Director Quality Certification shall be performed in accordance with written procedures or check lists. Results shall be documented and reviewed with the ABSTECH Project Manager. Corrective action shall be required for any unsatisfactory condition. Audit reports shall be prepared and a copy sent to the AISC Board Committee on Quality Certification.

3. Internal Audits

Audits performed by the AISC Committee on Nuclear Quality Certification shall be performed in accordance with written procedures or check lists. A copy of the report of each audit shall be maintained in the AISC files. The audit report shall be reviewed with the Director Quality Certification. Corrective action shall be required for any unsatisfactory condition.

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Corrective action required of the Director of Quality Certification shall be reviewed by the AISC Committee on Quality Certification.

4. Re-Audits

Verification of corrective action shall be accomplished by re-audit, which may be performed by on-site verification of objective evidence or review of submitted data.

B. ABSTECH

1. General

The Project Manager shall perform an annual audit of auditors and Lead Auditors for compliance with the operating procedures and this report.

AISC REGISTER  
OF  
CERTIFIED STRUCTURAL STEEL FABRICATORS  
-DATE-

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