

Commission XVIII
Quality Management in
Welding and Allied
Processes

XVIII-302-2020

DRAFT AGENDA
version 1 (2020-06-28)

Thursday, 23 July 2020
13.00 - 16.00 CEST
IIW Online

Author: Robert E Shaw, Jr., Chair
Tags: Draft Agenda
Comments: version 1, as of 28 July 2020

Meeting: IIW Online



INTERNATIONAL INSTITUTE OF WELDING
A world of joining experience

DRAFT AGENDA, version 1

Commission XVIII Terms of Reference (Parts 1 and 2)

(as adopted 10 July 2019) See XVIII-285r1-19.

1.0 Scope and objectives

Commission XVIII, formerly SC-QUAL, maintains the goal to identify, create, develop and transfer global best practices in the field of quality management for welding and allied processes.

It focuses on quality management systems and the requirements for personnel and companies involved in welding and allied processes.

Commission XVIII acts as an interdisciplinary body for the IIW, working with other Commissions to develop industry documents and standards for use by technical experts, quality managers and production personnel.

2.0 Key Objectives and deliverables

At present, Commission XVIII members are working on:

- Guidelines on the implementation of quality standards, for example, ISO 3834 "Quality requirements for fusion welding of metallic materials.
- ISO/FDIS 22688 "Brazing - Quality requirements for brazing of metallic materials" jointly with Commission XVII
- Recommendations for "Welding Inspection – Tasks and Responsibilities"
- Working Draft to propose a new ISO standard "Brazing coordination: Tasks and Responsibilities" jointly with Commission XVII
- Recommendations for competences for auditors involved with the certification of companies
- Comparative studies of criteria for 1) welding company audits, and 2) structural fabrication audits
- Guidance on risks in fabrication industries

Chair:

Robert E SHAW Jr USA
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Vice Chair:

Mathias LUNDIN Sweden
mathias.lundin@svets.se

Task Groups:

- | | | | | |
|----|-------------------------|-------------------|-------|----------------------------------------------------------------------------------|
| 1) | Standards | Bob Shaw | (USA) | robert.shaw@iiwelding.net |
| 2) | QMS issues | Inderpal JASWAL | (CAN) | Inderpal.Jaswal@cwbggroup.org |
| 3) | Personnel issues | Emanuele GANDOLFO | (IT) | Emanuele.Gandolfo@iiscert.it |



1. OPENING OF THE MEETING AND WELCOME

1a. Introduction of Delegates, Experts and Observers, apologies

1b. Antitrust statement

See Annex 1, appended to this Agenda.

1c. Meeting Procedures

See Annex 2, TO BE appended to this Agenda

2. ADOPTION OF THE AGENDA (XVIII-302-2020)

3. ADOPTION OF MINUTES

3a. (XVIII-301-2020) Adoption of the Minutes of the Intermediate Meeting, 13 January 2020, held at Istituto Italiano della Saldatura, Genoa, Italy

4. STANDARDS TASK GROUP – Bob SHAW (USA)

4a. "ISO 22688 Brazing — Quality requirements for brazing of metallic materials"

<https://www.iso.org/standard/73689.html>

<https://www.iso.org/obp/ui/#iso:std:iso:22688:ed-1:v1:en>

(see XVIII-291-2020 for FDIS)

ISO 22688 was officially published April 15, 2020, and is in Stage 60.60 (International Standard Published). No particular action is required at this time. Corrections and suggestions for improvement may be submitted directly to the Chair for future consideration.

4b. Proposal for "Soldering — Quality requirements for soldering of metallic materials"

The Chair has discussed the topic with the current and past chairs of Commission XVII Brazing, Soldering and Diffusion Bonding, Huaping XIONG and Warren MIGLIETTI, who will consult with Subcommission C-XVII-C Soldering chair Erika HODULOVA and vice-chair Hong LI. A report will be given, followed by discussion regarding possible development of a draft. No document number assigned.

5. PERSONNEL ISSUES TASK GROUP – Emanuele GANDOLFO (IT)

5a. "Braze coordination: Tasks and Responsibilities" (XVIII-296-2020)

Discussion at Bratislava was that this was premature, and the industry should have time to bring forth questions and share their experience with the ISO 22688 document, and it was agreed. At the intermediate meeting in Genoa, it was indicated that there was already substantial interest in adoption of and certification to ISO 22688 once it was published, and that the development of the brazing coordination document should begin immediately. It was agreed, with GANDOLFO to lead. This new document was prepared as a Working Draft to propose a future ISO standard, and is simultaneously under review at Commission XVII.

Submitted comments and proposed resolutions will be discussed. A decision will be made regarding further development, and regarding nature of the document as a "recommendation, "best practice" and/or for possible submittal to WG-STAND for consideration as a new ISO standard.

5b. "Recommendations for competences for auditing personnel involved with the certification of welding companies" (XVIII-297R1-2020)

*Emanuele GANDOLFO (IT), Lead
Edward WHALEN (CAN)
Hans-Georg GROSSs (DE/EST)
Paolo Corronca (AUS)
Mathias LUNDIN (SWE)
Levente BAKOS (HUN)
Herman POTGIETER (ZA)
Nadezda Volkova (RUS)*

Emanuele GANDOLFO presented his first conceptual draft, XVIII-297-2020, for discussion in Genoa. Extensive detailed suggestions and comments were offered.

The updated draft will be discussed, and further action will be decided.

5c. "Recommendations and Best Practices for Welding Inspection – Tasks and Responsibilities" (XVIII-292R3-2020)

The document will be finalized as a Commission document, rather than as a document by the Chair as an individual. Bob SHAW has been doing the final editing. Formal comments have been requested from XVIII, as well as from IAB-A WG-A#3b Welding Inspection, and submitted comments will be addressed and decided upon. A document name change will also be voted upon, whether as "Recommendations ..." or "Best Practices ..." or other title. At this time, a resubmittal as a potential standard from IIW is not being discussed.

6. QMS ISSUES TASK GROUP – Inderpal JASWAL (CAN)

The Task Group chair wishes to add individuals with interests for the documents listed below, and the interest in a Task Group meeting in October or November of this year.

6a. "Improving the Quality and Effectiveness of Welding by Utilizing the Standard ISO 3834 – Guideline for Company Implementation

(see SC-QUAL-218-15) (First draft, update to SC-QUAL-145R4-10)

Hans-Georg GROSS (DE/EST) to report on his review.

6b. "Guidance on Risks in Welding Fabrication Industries" (assigned as XVIII-295-2020)

Levente BAKOS (HU), Lead

Hans-Georg GROSS (DE)

Michail KARPENKO (NZ)

Bob SHAW (USA)

Doug HAWKES (AUS)

Ivanov BOYAN (DE)

As of the date of this draft agenda, a working draft of this document is not yet available. Levente BAKOS (HU) to provide a progress report.

6b. "Comparative studies of criteria for welding fabricator audits"

(document number not assigned)

Document to compare CWB 47.1, AWS QC17, ISO 3834, NZS 3834 PLUS, and others as appropriate.

Inderpal Jaswal (CAN), Lead

Doug HAWKES (AUS)

Bob SHAW (USA)

Michail KARPENKO (NZ)

Philippe LEBEAU (FR)

Japan requested to provide an individual.

6e. "Index of Welding Quality Management System Requirements used Globally in Arc Welding Applications" (SC-QUAL-217r1-15)

Dropped as an index, and to be rewritten as an overview document. The contents will be similar with technical references in the categories listed, but may blend EU countries, as an example. Additional support is needed from Comm XVIII members to provide information.

Bob Shaw (USA)

Herman Potgieter (ZAF)

Paolo Corronca (AUS)

Ed WHALEN (CAN)

Mathias LUNDIN (SWE)

Masaharu SATO (JPN)



6d. "Comparative studies of criteria for structural fabricator audits"

(document number not assigned)

Document to compare AISC, IAS, CWB, CISC, ISO 3834, NZS 3834 PLUS, CE / EN 1090-2, and others as appropriate. Maintained for future consideration, but no action expected for some time.

No LEAD established.

Edward WHALEN (CAN) or Inderpal Jaswal (CAN)

Doug HAWKES (AUS)

Bob SHAW (USA)

Michail KARPENKO (NZ)

Philippe LEBEAU (FR)

Japan requested to provide an individual.

7. OTHER DOCUMENTS

7a. "Request for support of IAB qualification, certification, and education activities"

XVIII-300R1-2020 (also see XVIII-273-19)

Michail KARPENKO (XVIII representative) may be unavailable to report.

Document XVIII-300-2020 was reviewed at the intermediate meeting in Genoa, with additional updates noted. The draft was updated and submitted to the IAB Chair Christian AHRENS. Additional ideas and suggestions are welcome from XVIII members, and should be submitted to Michail KARPENKO.

7b. "Welding Inspection and NDE protocols in national and international standards for steel construction"

(XVIII-298-2020, previously see SC-QUAL-192r6-13)

Bob SHAW (USA)

SHAW to redraft and expand to include latest standards (requesting assistance from EU, AS/NZS, CAN, JP, China)

7c. "Comparison of ISO 5817 quality criteria to that of national steel construction standards – surface imperfections and imperfections in joint geometry"

(IIW SC-QUAL-167r3-11, XV-1384r1-11, XIII-2392r1-11) (designated IIW-2583-15)

Bob SHAW (USA)

Updates based on latest national standards being made prior to publication as a booklet.



7d. "ISO/WD 17607:2017-X Steel Structures – Execution of Steelwork"

(see SC-QUAL-228r2-16)

Parts being developed are:

Part 1 – General

Part 2 – Steels

Part 3 – Fabrication (Ed Whalen, leader)

Part 4 – Erection

Part 5 – Welding (Craig Martin, leader)

Part 6 – Bolting (Bob Shaw, leader)

Part 7 – Corrosion protection may be added to the above list. The meeting of ISO TC167 WG3 had been tentatively scheduled for 9 - 11 March 2020, in Beijing, but because of visa issues, was changed to Miami. Because of the novel coronavirus, this meeting has been postponed indefinitely. Tentative dates for October were reviewed, but these meetings had to be postponed because of the virus.

8. NEW BUSINESS

8a. (as added upon approval of the Agenda, or as needed)

8b.

8c.

9. NEXT XVIII MEETINGS

9a. Intermediate meeting, Genoa, Italy, Monday, ?? January 2021 (to be confirmed)

9b. 74th Annual Assembly, Genoa, Italy, 20-25 June 2021

9c. Intermediate meeting, Genoa, Italy, Monday, ?? January 2022

9d. 75th Annual Assembly, Tokyo, Japan, 17-22 July 2022

10. IIW ASSOCIATED EVENTS OF DIRECT XVIII INTEREST

- 10a.** Cutting-Edge Welding Engineering - Modernity of the Future
13 - 15 October 2020, during the International Welding Fair ExpoWelding
Sosnowiec, Poland
 - 10b.** 3rd International Conference on Vehicle and Automotive Engineering (VAE2020)
25 November 2020, online
 - 10c.**
 - 10d.**
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11. MEETINGS AND EVENTS OF XVIII INTEREST

- 11a.** ISO/TC 44, Welding and allied processes, Online, 10-11 September 2020
 - 11b.** *(please notify Chair of any suggested additions)*
 - 11c.**
 - 11d.**
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12. ADMINISTRATIVE ITEMS

- 12a.** Update to Commission XVIII Terms of Reference (Parts 1 and 2)
 - 12b.** Resolutions, etc.
 - 12c.**
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13. ADJOURNMENT

Annex 1 – Antitrust Statement

1. Introduction

- It is the policy of the International Institute of Welding (IIW), the working units, and its members, to comply fully with the antitrust, trade regulation, and anti-competitive laws of the EU and of the various states.
- In carrying out its activities, IIW operates to ensure compliance with the antitrust laws by requiring notice of all meetings, and meeting agendas. Records of all meetings will be kept by the working unit secretary. Legal counsel will be consulted should sensitive issues be anticipated.
- Member countries and their delegates, experts, and observers must participate in IIW activities with particular care not only to avoid improper actions or results, but also to avoid even their appearance. The best guarantee of fulfilment of the IIW Antitrust Policy is the prudence of the member country representatives. They are most aware of what are sensitive matters in the industry, and thus are in the best position to avoid problems.

2. Antitrust Overview

- Antitrust laws prohibit agreements or understandings between two or more individuals or businesses to regulate prices or quantities of goods or services, to allocate customers or territories, to hinder or limit a competitor or potential competitor's operations, or otherwise unreasonably to restrain business activity. Discriminatory pricing or servicing is also prohibited.
- The criminal penalties for violating the antitrust laws are severe: corporations and other organizations may be fined up to \$10,000,000 per offense, and individuals face fines of up to \$350,000 and/or up to three years in jail. In addition, private parties injured by antitrust violations may sue for treble damages.

3. Rules of Conduct

Every individual should therefore, follow these rules:

- DO NOT discuss your prices or competitors' prices with a competitor (except when buying from or selling to that competitor) or discuss anything that might affect prices such as costs, discounts, terms of sale or profit margins.
- DO NOT agree with competitors to uniform terms of sale, warranties or contract provisions.
- DO NOT agree with competitors to divide customers or territories.
- DO NOT act jointly with one or more competitors to put another competitor at a disadvantage.
- DO NOT try to prevent your supplier from selling to your competitor.
- DO NOT discuss your future pricing, marketing, or policy plans with competitors.
- DO NOT discuss your customers with your competitors.

With respect to IIW Activities:

- DO NOT make statements regarding prices or matters affecting prices at IIW meetings.
- DO NOT make statements about your future pricing plans, expansion or other policies with competitive overtones. Do not participate in a discussion where other members do.
- DO NOT propose or agree to any standardization that will injure your competitor.
- DO NOT assume you are protected by informal advice from a government official.
- DO NOT do anything before or after IIW meeting, or at social events that would be improper at a formal IIW meeting.
- DO leave any meeting where any of the foregoing topics are being discussed –and state why you are leaving.
- DO comply with the IIW Spokesperson Policy.
- DO alert the IIW Board of Directors and legal counsel to anything inaccurate or improper. This includes a position the IIW has taken or intends to take or a meeting or activity of which you have learned.
- DO consult your own legal counsel or the IIW legal counsel before raising any matter, which you feel might be sensitive.
- DO send copies to the IIW Secretariat of any communications or documents sent, received or developed by you when acting for the IIW.
- DO alert every delegate, expert, and observer from your organization who deals with the IIW of these guidelines.
- DO be conservative. If you feel an activity might be improper, do not do it.



Annex 2 – Meeting Procedures

The IIW 2020 Online Annual Assembly will be managed through a digital platform that will allow all enabled users to explore the program, select the Commission to chair or to join, explore the virtual exhibition areas or simply stay up to date with worldwide professionals in the field of welding and joining.

TECHNICAL REQUIREMENTS

All users will be able to access the digital platform by PC, tablet (or even smartphone in case of need) since no plug-in is needed. In order to enjoy platform features, browser Chrome version 72 or later is recommended (please download the latest version here: <https://www.google.com/chrome/>).

ACCESS TO THE PLATFORM

The platform will be accessible through www.iiw2020.online website.

To access the platform, all users will utilize their personal credentials:

- Subscribers will utilize their Aristeia Pass credentials (username and password used to register).
- Free subscribers will receive login credential from the Organizing Secretariat.

USER PROFILES

Each user will face an intuitive interface and will be enabled to different features, depending on the role.

Attendees

Attendees will be enabled to:

- explore the digital platform features;
- join live virtual meeting as an auditor;
- interact via live chat in order to submit questions or comments;
- join surveys and voting (if authorized);
- join meet & greet sponsor Teleconferences (meetings organised by the sponsors).

TECHNICAL EQUIPMENT

We kindly ask you to verify in advance that you are equipped with the following:

- PC Windows/Apple Mac (recommended)
- Microphone (also incorporated into the computer)
- Headphones (recommended but not required)
- Webcam (also incorporated into the computer)
- Stable internet connection

You can also connect via tablet or smartphone. You don't need to download any kind of plug-in.

NETIQUETTE

Please be so kind to:

- login on time to join the virtual meeting;
- use chat tool to interact with panelist;
- stay on topic and be brief;
- write clearly avoiding using slang.



Speakers

Speakers will be allowed to join the Teleconference:

- to present their papers;
- to answer questions.

Presentations may be performed live or pre-recorded (see below, recommended in case of unstable internet connection).

TECHNICAL EQUIPMENT

We kindly ask you to verify in advance that you are equipped with the following:

- PC Windows/Apple Mac (recommended)
- Microphone (also incorporated into the computer)
- Headphones (recommended but not required)
- Webcam (also incorporated into the computer)
- Stable internet connection

You may also connect via tablet or smartphone. You don't need to download any kind of plug-in.

On the day of presentation, we kindly invite you to access the platform 10 minutes in-advance to the meeting to check the system.

TECHNICAL SUPPORT

Technical support will be always available during the live sessions.

NETIQUETTE

Please be so kind to:

- set a clear background and appropriate lighting;
- reduce background noise;
- mute microphone while others are speaking;
- use “raise your hand” tool to ask for speak;
- inform colleagues via chat in case you have to disconnect.

PRE-RECORDING OF THE PRESENTATION

The presentation should be in format MP4 compressed and cannot exceed the duration of 15 minutes (unless otherwise agreed by the Chair).

Many software programs are available to record the presentation (e.g., Zoom, Microsoft Teams, Google Meet, Filmora, Camtasia, Active Presenter, OBS Studio).

Please name your file as:

IIW2020_WU_familyname_givenname_01

An example is provided as follows:

IIW2020_CXVIII_smith_john_01.mp4

Files should be sent to the Chair (robert.shaw@iiwelding.net) to collect and upload on the platform, in the “Virtual Slide Centre.”



