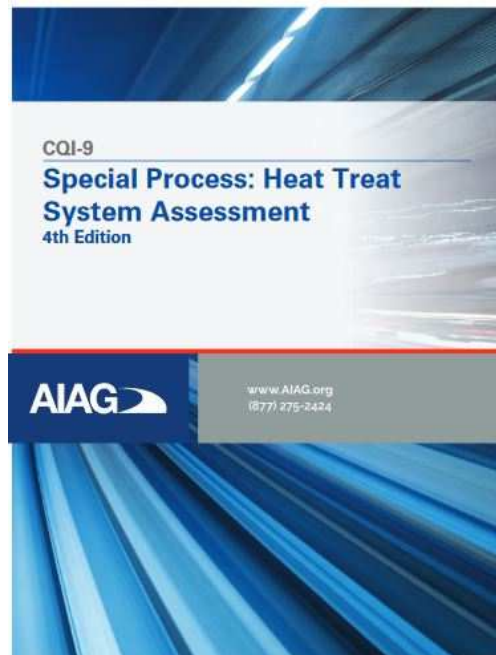


The new AIAG CQI-9 Heat Treat System Assessment 4.Edition June 2020

In June 2020 the new AIAG CQI-9 4th Edition was officially released. As a long-standing AIAG member and once of the global market leader acc. training, workshops, implementation and assessments of CQI Special Processes - TopQM-Systems is always "up to date" and supplies the automotive market with important AIAG information. We offer training and assessments for all AIAG CQI Special Processes and we are always up to date. Benefit from this exclusivity and register for our newsletter at www.topqm.de and you will always find the latest news AIAG topics.

The following are the most important innovations of the 4th edition. This change information was compiled by TopQM-Systems, in case of doubt the original edition of the AIAG always applies.



The new CQI-9 4.Edition - Cover Sheet - (Source www.aiag.org)

- Assessor qualifications for conducting HTSA have been refined.
- Pyrometry reporting requirements have been updated.
- RTDs are now included in the thermocouple section.
- Grace periods are defined in Calibrations, SAT, and TUS sections.
- Expanded guidance and refined requirements are provided regarding instances in which traditional TUS testing is not possible or practical due to furnace design characteristics (e.g. property surveys).
- The formula for calculating the required number of TUS test thermocouples for large furnace volumes has been revised (reference Table P3.4.1, Note #1).
- HTSA format has been enhanced.
- The Calibration requirement for refractometers has been removed.

Where i could by the CQI-4 Standard?

See www.aiag.org

Here a list of the Prozess Tables

Process Table **A** - Ferrous

Carburizing

Carbonitriding

Carbon Restoration

Neutral Hardening (Quench and Temper)

Austempering

Martempering

Tempering

Precipitation Hardening – Aging

Process Table **B** - Ferrous

Nitriding (Gas)

Ferritic-Nitrocarburizing (Gas or Salt)

Process Table **C** - Aluminum

Aluminum Heat Treating

Process Table **D** - Ferrous

Induction Heat Treating

Process Table **E** – Annealing, Normalizing, and Stress-Relieving

Annealing

Normalizing

Stress-Relieving

Process Table **F** – Low Pressure Processing

Low Pressure Carburizing

Low Pressure Carbonitriding

Low Pressure Neutral Hardening

Process Table **G** – Sinter Hardening

Sinter Hardening

Process Table **H** – Ion Nitriding

Ion Nitriding

Process Table **I** – Hot Stamping

Dry Contact Press Hardening

You can find more information and registrations for our diverse AIAG CQI seminar program at www.topqm.de in our current "Seminar and Audit Program"



