

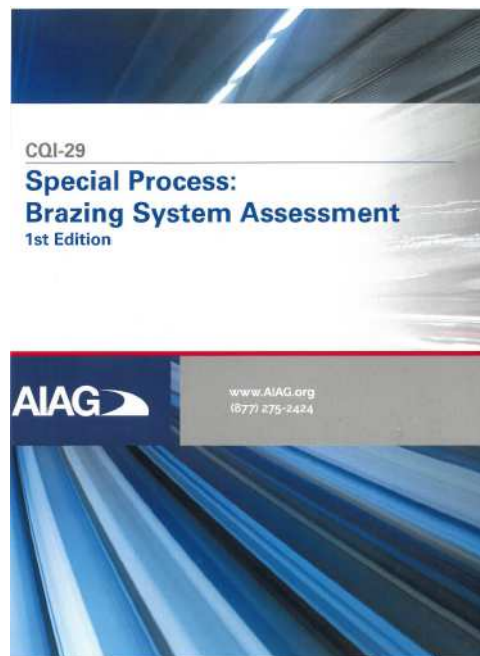
## The new AIAG CQI-29 Brazing System Assessment 1st Edition 2021

The standard series "AIAG CQI Special Processes" has been expanded. In May 2021 a new CQI-29 Standard Brazing System Assessment "Brazing" was published

The CQI-29 standard is similar to the CQI-15 Welding System Assessment (welding processes) and has 4 job audit process tables

As a long-standing AIAG member and over 20 years CQI Experience, TopQM-Systems is always "up to date" and supplies the automotive market with the latest AIAG information. We offer licensed and specially developed CQI trainings, workshops and CQI audits and are always up to date. Benefit from this exclusivity and register for our newsletter at [www.topqm.de](http://www.topqm.de) and you will always find the latest AIAG -Information

Below you will find an overview of the structure and system of the new CQI-29 standard:



Source: AIAG [www.aiag.org](http://www.aiag.org), Southfield MI / USA

- Cover sheet - The cover sheet is designed in such a way that the evaluation system is represented in "degrees of fulfillment" (R-Y-G) (red-yellow-green evaluation)
- Cover sheet - The evaluation and presentation of the "Critical to Quality Characteristics" (CTQ) are listed for each process type
- Cover sheet - Product-specific information, such as detailed brazing process information, article #, part designation ... etc. must be specified

- Cover sheet - The brazing processes are detailed and shown on the cover sheet
- Main audit questionnaire - sub-elements are newly divided into:
  - Section 1 Brazing System Assessment
  - Section 2 Documentation
  - Section 3 Advanced Quality Planning & Documentation
  - Section 4 Production Process & Monitoring and Documentation
  - Section 5 Fixtures and Tools
  - Section 6 Procedures & Documentation on Rework & Scrap
  - Section 7 Process Equipment & Test Equipment Requirements
  - Section 8 Thermal Management
  - Section 9 Process Monitoring
- The process tables and the job audits are brought together in a common audit checklist and named in "Job Audit Process Tables"
- The audit question lists of the respective individual brazing processes "Job Audit Process Tables" have been reorganized into the following sub-question elements:
  - Part Print
  - Control Plan
  - Quality Inspection
  - Brace Quality Inspection & Reports
  - Parameter Documentation
  - Maintenance Records
  - Sustainability
  - Process Monitoring
  - Fixturing and Tooling
- Additional Best Practice Examples:
  - Brazing Health Chart
  - BOK Book of Knowledge Template = Lessons Learned
  - Eventmatrix

Where can I get the official Engl. CQI-29 for sale as a license version?

The CQI-29 Standard can be purchased at [www.aiag.org](http://www.aiag.org)

Below is a list of the 4 job audit process tables

Job Audit Process Table      **CAB Furnace Job Audit (Controlled Atmosphere Brazing)**

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Job Audit Process Table      **Vacuum Furnace Job Audit**

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Job Audit Process Table      **Flame Job Audit**

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Job Audit Process Table      **Induction Job Audit**

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Further information and registrations for our AIAG CQI seminar and CQI audit program can be found at [www.topqm.de](http://www.topqm.de) in our current "seminar and audit program"