



CHARTER

SAE G-22 Aerospace Engine Supplier Quality (AESQ) Technical Committee

Revised: January 30, 2020

1.0 Foreword

The aerospace engine customer base is characterized by a relatively small number of individual large airframers that are driving the need for a more consistent, predictable supply chain to meet the volume demands of aviation. Qualification and production of aerospace engines is subject to stringent airworthiness requirements; each manufacturer is required to hold a 'production organization' approval from the aviation authority in their respective region, with specific designations as an engine maker.

For the aerospace engine component supplier, supply to such manufacturers represents a 'step up' given the stringent quality requirements and advanced manufacturing processes and technologies inherent to the complexity and criticality of the components involved. This leads to the supply chain for engine components being largely common, creating an opportunity for standardization of quality processes (within the scope of the antitrust rules), to better meet the expectations of the major customers within the market.

2.0 Scope

The SAE G-22 Aerospace Engine Supplier Quality (AESQ) Technical Committee is established as a Technical Committee under the SAE Aerospace Council to develop, specify, maintain and promote quality standards specific to the Aerospace Engine supply chain. This is intended to reduce customer specifics through a focused set of standards that integrate industry best practice and aerospace engine unique elements.

3.0 Purpose

The objectives of the G-22 AESQ Technical Committee shall include, but are not limited to, the following:

- Development, promotion and publishing of Quality Standards for use within the aerospace engine supply chain
- Development of training and guidance material to support implementation of these standards

4.0 Membership & Voting

4.1 Membership Rules

The G-22 AESQ Technical Committee is comprised of individuals from the aerospace community who:

- Have technical knowledge and expertise in the manufacture, assembly and/or test of gas turbine propulsion systems and their components for aircraft applications
- Have specific knowledge of Production Organization approval under FAR/Part 21: Subpart G of their respective national Aviation Authority, as it relates to supplier control
- Maintain active participation by attending G-22 AESQ Technical Committee meetings
- Participate in the development of quality standards to support the aerospace engine supply chain, and comment and/or vote on all document ballots in a timely manner

Rules for membership in the G-22 AESQ Technical Committee are determined and maintained by the Aerospace Council Organization and Operating Procedures. Individuals seeking membership and meeting the above criteria shall petition the G-22 AESQ Technical Committee Chairperson for membership consideration.

Voting Members

Nominations for Voting Members should be based on individuals that meet the following criteria:

- All members should join as liaison members for at least 12 months
- They should have attended at least 2 face-to-face G-22 AESQ Technical Committee meetings
- They should have taken part in / contributed to / sponsored a workstream activity
- Ideally members should be in a position to influence their own organizations to deploy the G-22 AESQ Technical Committee standards within their business and/or their external supply chain
- Ideally, they should be a member of an Aerospace Engine Manufacturer or one of their suppliers
- There can only be one voting member per organization
- They shall be nominated by an existing voting member and seconded by a minimum of a further two voting members
- The balance of the voting membership must be maintained i.e. There shall be one Supplier Voting Member for each Aero Engine Manufacturer Voting Member.

Liaison members

To become a liaison member the individual must be able to demonstrate:

- They have experience in the Aerospace Engine Manufacturing Supply Chain
- They are a subject matter expert in their discipline
- They are able to commit time to support the work of the G-22 AESQ Technical Committee standard development workstreams

- Liaison Membership may include suppliers, customers and regulators of the AESQ Member companies.

Rules for maintaining Member status on the G-22 AESQ Technical Committee:

- Voting Members who are absent without alternate representation from two (2) consecutive face-to-face committee meetings may be dropped from membership
- Voting Members failing to respond to two (2) ballots in a rolling 2-year period may be dropped from membership
- Members failing to participate in meetings and contribute to the document development process may be dropped from membership
- The G-22 AESQ Technical Committee Chairperson determines when circumstances warrant retention or revocation of membership status

4.2 Voting Rules

The participation of a two-thirds majority (66%) of the members of the G-22 AESQ Technical Committee shall constitute a quorum for the transaction of business at any Meeting of the G-22 AESQ Technical Committee.

- The act of a simple majority (51%) of the Members participating in a meeting at which there is a quorum shall be the act of the G-22 AESQ Technical Committee
- Members unable to attend in person have the option of sending an alternate or attending virtually when feasible
- A strict one person – one vote policy shall be followed

5.0 Organization

5.1 Meetings

Face-to-face Meetings of the G-22 AESQ Technical Committee shall be convened, and are open to all members and parties interested in the scope of the G-22 AESQ Technical Committee. Attendees shall pre-register using the SAE G-22 Standard Works site.

Written notice, including time and place, and agenda of all special and regular meetings of the Committee, shall be given to each member in advance of the meeting.

The quorum at regular and special meetings shall consist of two-thirds of its voting members.

All other meeting provisions not stated above shall be conducted in accordance with Section 5 of the Aerospace Council Organization and Operating Procedures and all applicable SAE governing policies and procedures.

5.2 Leadership

Operation of the G-22 AESQ Technical Committee shall be the responsibility of the chairperson who is appointed by the committee's voting membership.

A committee vice-chairperson shall be elected to support the operation of the committee and prepare to advance to the position of chairperson.

A secretary shall be appointed by the chairperson to support the operation of the committee.

Other members of the Committee may be appointed as project or task group leaders, for the purpose of performing functions deemed necessary to meet the objectives of the committee.

5.3 Election of Chairperson and Vice Chairperson

The process to select the Chairperson and Vice Chairperson shall be as follows:

1. SAE will issue an email invitation to the G-22 Committee to submit a nomination for the position of Chairperson and/or Vice Chairperson with a 2-week deadline.
2. SAE will contact those that have been nominated asking if they are willing to accept a nomination for the position of Chairperson or Vice Chairperson and have their name listed on the ballot.
3. SAE will provide a list of nominees to the current G-22 Chairperson and Secretary.
4. SAE will issue a ballot with a list of nominees to the G-22 Committee to submit a vote for their choice of nominee to serve as Chairperson and/or Vice Chairperson with a 2-week deadline.
5. SAE will provide the election results to the current Chairperson and Secretary for review.

6.0 Procedures

All applicable provisions of the SAE Technical Standards Board (TSB) Governance Policy and the Aerospace Council Organization and Operating Procedures shall apply to all activities of the G-22 AESQ Technical Committee.

7.0 Change management

Revision of this charter shall require approval from the voting membership of the G-22 AESQ Technical Committee.