



TCSA and T6A History and Principles

How did these associations start and progress?

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CASS History

Conformity **A**ssessment of **S**afety-related **S**ystems (CASS).



IEC 61508 published in 1998



Department of Trade and Industry funded initiative in 2000

Objective

Creation of a clear and transparent industry wide approach to IEC 61508:1998 assessment and certification.



CASS History

Conformity **A**ssessment of **S**afety-related **S**ystems (CASS).

Dti Initiative Involved many Safety System Stakeholders from multiple industries across design and operational lifecycles

The CASS Scheme created a working group forum during the development. Early CASS adopters formed a user's group which became *The 61508 Association, more on that later*



CASS History

Conformity **A**ssessment of **S**afety-related **S**ystems (CASS).

Originally *The CASS Scheme* was formed as a Limited company

The CASS Scheme Ltd

Recently the scheme disbanded the limited company and formed an Association to manage the scheme

The CASS Scheme Association (TCSA).



TCSA Principles

A Clear, Transparent, and Consistent assessment methodology,
free for anyone to use

Recognised Assessor mark 'RFSA' to demonstrate assessor
competence in the adoption of the CASS Scheme

Development of new assessment methodologies for new and
evolving safety standards



CASS Latest News

Conformity **A**ssessment of **S**afety-related **S**ystems (CASS).

The Scheme has recently developed new conformity assessment methodologies for:

- IEC 61511
- IEC 62061

Please join us in the workshops today to learn more about these assessment methodologies



T6A History

- *The 61508 Association (T6A).*
- Formed after / out of the CASS project.
- *The IEC 61508 Safety Club (2002).*
 - Moore Industries, Hima-Sella Ltd (Sella Controls), SIRA Certification Ltd (CSA Group) + Rotork, Shell UK Oil Products, MTL Instruments and Baseefa (SGS).
- Open forum group on the acceptance of IEC 61508.
- Informal discussion group on "accredited certification".

Our Members



Who Are We?

- **We are a cross-industry group of organisations with a common interest in functional safety, particularly in applying IEC 61508 and related standards (e.g., IEC 61511, IEC 62061) correctly in order to demonstrate compliance and improve safety for all.**
- Our members include end-users (from many industry sectors), EPC companies, systems integrators, product manufacturers, consultants and certifiers. We also have active relationships with related industry organisations and safety regulators who often attend our meetings.
- We develop and publish many useful and informative guides and assessment tools which are available to all (not just our members) and are free of charge.

T6A Principles

- Four principles of membership:
 - Members recognise IEC 61508 and related standards as the benchmark for achieving functional safety and managing risks in a proportionate way.
 - When members apply IEC 61508 and related standards they do so properly in all respects relating to their role in the safety life cycle.
 - Members demonstrate compliance with IEC 61508 and related standards by using a method which has integrity, transparency and consistency (for example, the CASS methodology).
 - Members participate actively in the work of the Association.
- Networking organisation for functional safety related aspects.
- Now more about "competent assessment" / sharing knowledge.
 - Rather than "accredited certification".

T6A Membership Benefits

- Sense of functional safety community and associated support.
- Opportunity for functional safety biased networking with members and observers.
- Opportunity to discuss and debate with like-minded functional safety practitioners.
- Opportunity to understand current trends, opportunities, challenges and solutions in functional safety.
- Meet with other members across the supply chain to share knowledge on the application of IEC 61508 and related standards.
- Participate in the forefront of forming the latest industry guidance.
- Influence the policies and practices of regulators and conformity assessment bodies.
- Access to interesting functional safety presentations from members and selected guests.
- Ability to influence functional safety standards development (via BSI GEL/65/1).

T6A Symposium Principles

- Open networking for functional safety.
- Encourage L&D for functional safety.
- Encourage the sharing of functional safety knowledge.

Any Questions?

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What's next....



Slot	Start Time	Paper	Workshop	Finish Time
4	10:20	Slot 4: The Importance of Functional Safety Management (FSM)		10:50
-	10:50	COMFORT BREAK AND NETWORKING		11:20

We would be more than happy to discuss membership with you (<https://61508.org/membership/>)