



Welcome!

T6A Symposium – Guidance in Functional Safety Compliance

DISCLAIMER: Whilst every effort has been made to ensure the accuracy of the information contained in this document neither The 61508 Association nor its members will assume any liability for any use made thereof.



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.



Why Are We Here?

- Lack of functional safety focussed events.
- Institutes seemed to have reduced activity.
- Networking for functional safety is important to us.
- Felt the need to openly network...
- Considering the challenges our sectors currently face.

Health & Safety

- Fire alarm
 - Mobile phones
 - Toilets
 - Smoking
 - Approach for refreshments / food.
 - Register your vehicles at reception
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- P.s. Please return your lanyards at the end of day.



Anti-Trust Rules

- “Participants in this symposium shall not enter into any discussion or conduct that may infringe applicable antitrust law. This applies not only to discussions in formal rooms but also to informal discussions taking place in the side-line of formal meetings”

Approach

- Main Room (Oak Room)
- Workshop Room (Minster Room, next door)
- Refreshments / Lunch
- 30 min / 60 min slots (5 / 10 min for questions)
- Acronym list!
- Feedback (after event online / jotform.com)
- PDF variants of presentations online (after event)

Networking Room (Oak)

- Questions and Discussions!
- Membership of T6A and / or TCSA.
- Difference between T6A and TCSA!
- Food and refreshments.
- Feel free to network in Minster too!

Agenda

Slot	Start Time	Paper Stream (Oak Room)	Workshop Stream (Minster Room)	Finish Time
	08:30	*** Symposium Registration Desk Opens ***		N/A
1	09:30	Slot 1: Welcome Chair of The 61508 Association (T6A)		09:40 (10)
2	09:40	Slot 2: Todd-Parry Keynote: How Functional Safety has and is impacting the modern world Colin Easton – ProSalus Safety Consultants		10:00 (20)
3	10:00	Slot 3: T6A and TCSA History and Principles Peter Brown – Lloyd’s Register / Andrew Derbyshire – ERM		10:20 (20)
4	10:20	Slot 4: The Importance of Functional Safety Management (FSM) Andrew Derbyshire – ERM / Paul Reeve – SILMETRIC / Peter Brown – Lloyd’s Register		10:50 (30)
-	10:50	Comfort Break & Networking (Oak Room)		11:20 (30)
5	11:20	Slot A-5: Digitalise Functional Safety, Reduce the Burden Ian Dolan & Chris Parr – Sella Controls	Slot B-5: Functional Safety and the Importance of Competence Damian Marsden – ERM	11:50 (30)
6	11:55	Slot A-6: Concerning Assumptions for Cyber Security and Functional Safety Paulo Oliveira – Dekra	Slot B-6: CASS 61508 & 62061 Workshop Peter Brown – Lloyd’s Register	12:25 (30)
-	12:25	Lunch Break & Networking (Restaurant / Oak Room for networking)		13:25 (60)
7	13:25	Slot A-7: Functional Safety and Artificial Intelligence (AI) Chris Hume – UKAEA RACE / Jon Wiggins – 1981 Consultants	Slot B-7: CASS 61511 Workshop Andrew Derbyshire – ERM / Deepti Chauhan – Sensia	13:55 (30)
8	14:00	Slot A-8: Black Box Testing for Functional Safety Dr. Silke Kuball – EDF Energy		14:30 (30)
9	14:35	Slot A-9: Machinery Functional Safety with IEC 62061 and ISO 13849 Paul Reeve – SILMETRIC	Slot B-9: Functional Safety Tool Qualification Hassan El Sayed – UL Solutions	15:05 (30)
-	15:05	Short Comfort Break (Oak Room)		15:25 (20)
10	15:25	Slot A-10: The Importance of Alarms for Functional Safety Karl Ainscough-Gates – Fichtner Consulting	Slot B-10: SIL Calculations and use of IEC 61508 Part 6 Ian Dolan – Sella Controls	15:55 (30)
11	16:00	Slot A-11: Functional Safety and Communication Links Peter Brown – Lloyd’s Register	Slot B-11: Discussion on Difference Between ISO 26262 and IEC 61508 David Ward – HORIBA MIRA	16:30 (30)
-	16:30	Close / Informal Post Symposium Question / Discussion		17:30 (60)

CASS Template Workshops

- Introduction and Example TOEs.
- Combined IEC 62061 and IEC 61508 session.
- Dedicated IEC 61511 session.
- Show of hands for attending CASS workshops?

Any Questions?

Presenter: Peter Brown – Chair / Lloyd’s Register

Contact Details: pete.brown@lr.org

What’s next....



Slot	Start Time	Paper	Workshop	Finish Time
2	09:40	Todd-Parry Keynote: <i>How Functional Safety has and is impacting the modern world</i>		10:00
3	10:00	<i>T6A and TCOSA History and Principles</i>		10:20

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