



Marcus Punch Pty. Ltd. *Risk and Reliability*

Presents

The “How To” Series...

FAST Functions Allocations Systems Traceability®

Stream-lined Functional Safety Assessment for Legacy (Existing) Plant

½ day Practical Workshop

The use of the AS61508, AS62061 and AS4024.1 standards is now mandatory within the NSW mining industry and they are finding increased usage in other industries. This workshop will provide participants with the basic knowledge and analysis tools needed to quickly perform functional safety assessments on their own legacy (existing) plant.

FAST Functions Allocations Systems Traceability® is a registered trademark of Marcus Punch Pty. Ltd. (ABN 27131307723)

Who Should Attend?

Anyone who is responsible for, or involved in lifecycle management or safety management of mining / industrial machinery and control systems. The workshop will particularly benefit mine managers, plant managers, project managers, controls / automation / electrical engineers, mechanical engineers, machinery designers and vendors and OH&S practitioners.

10 Things You Will Learn.

1. What ‘functional safety’ is.
2. Why it is important in machinery design.
3. Why functional safety assessments should be performed on legacy (existing) plant .
4. Which standard/s to use.
5. What the standards require you to do.
6. “Tolerable Risk”, SIL, CAT and PL explained.
7. How to use the FAST method.
8. How to determine the level of functional safety already achieved.
9. How to improve functional safety.
10. How to ensure that functional safety is maintained through-life.

Workshop Presenter.

Marcus Punch, Director, Marcus Punch Pty. Ltd.



What previous workshop attendees have said about the presenter.

- Well Explained. Good workshop notes.
- Very good explanation of SIL’s and Risk Reduction techniques. Very understandable.
- Examples and industry situations were used to clarify the ideas.
- Good overview of a complex subject. Demystified the subject. Simplified a complex subject.
- Covered what I need to know.
- Linked reliability to safety.
- I loved the story about Mr. Gorsky!

Workshop Materials.

Workshop materials will be provided to the participants, including: workshop presentation slides / notes, FAST process guide and a templates “kit” - Functional Safety Management Plan (FSMP), SIL/CAT/PL Allocation, Safety Requirements Specification and SIL/CAT/PL Verification/Validation Checklist.

Each attendee will also receive a complimentary copy of the presenters book, “Functional Safety for the Mining and Machinery-based Industries – An Integrated Approach Using AS/IEC61508, AS/IEC61511, AS/IEC62061 and AS4024.1”.

Workshop Locations and Dates and Timing.

9.30am – 12.30pm, on the advised dates and locations

Registration shall commence 9.15am for a 9.30am start.

Additional workshops in this and other locations may be scheduled subject to local demand.

Cost.

\$350.00 + GST for the first attendee from an organisation.

\$300.00 + GST for the second and each subsequent attendee from the same organisation.

Contact for Information and Bookings.

Marcus Punch

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