

# Functional Safety Assessment of Train Order Working

**Kevin J. Anderson**

Kevin J. Anderson & Associates

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University of Bielefeld Main Building, C0-259

Kevin is the functional safety assessor of the New South Wales railways for the Train Order Working procedure, the train-dispatching protocol in the Australian state of New South Wales.

Australian train dispatching is very different from train dispatching in Europe (for example, the German Zugleitbetrieb system, ZLB). There are long stretches with low traffic and very long trains. The functional safety assessment is risk-based, and also incorporates the legal principle ALARP. Kevin's talk provided us with an interesting comparison with the German and U.S. rail risk assessment methods.