



THE SAFETY-CRITICAL SYSTEMS CLUB

Data Safety Initiative Working Group (DSIWG)

www.scsc.org.uk/groups.html

Data used in:

- Aviation
- Automotive
- Defence
- Energy
- Healthcare
- Maritime
- Navigation
- Nuclear
- Oil and Gas
- Policing
- Rail
- Security
- Space
- Utilities

Details of this group and
SCSC events at:
www.scsc.org.uk

How to Stop Data Causing Harm

As the Airbus A400M military transport aircraft crash shows, data (or absence of data) can impact on the safety of systems with catastrophic consequences, for example: the configuration and parameter files which determine system behaviour, test data used to verify a system, real-time sensor input data, staff competency data, application data held in large databases, and data used to justify a system. This is now a growing problem as more systems become dependent on many types of data in safety-related and safety-critical applications.

The DSIWG is the Safety-Critical Systems Club Working Group looking at the safety implications of data, which as of today, is an area not well covered by existing safety standards or guidance (the majority of existing guidance tends to focus on assuring hardware and software, largely ignoring the fact that a small change to data could compromise safety).

The working group is widely supported by industry, government agencies and academia, across many sectors. The main objective of the group is to develop guidance providing recommendations and strategies on how safety risks associated with data can be managed.

The latest technical guidance from the group can be accessed at <http://scsc.org.uk/scsc-127C>; this version was announced at the Safety Critical Systems Symposium in February 2018.

The group welcomes organisations interested in making technical or strategic contributions. The ultimate aim is to ensure that data is properly considered alongside other contributing factors to system safety.

Cost and membership

There is no cost to join the DSIWG but members are encouraged to join the SCSC (details below). If you are interested in joining the working group please contact mike.parsons@nats.co.uk or fill in the form below.

www.scsc.org.uk

Safety-Critical Systems Club: I would like to join the SCSC and Data Safety Initiative Working Group

Name Organisation

Address.....

Telephone Email Vegetarian: Yes/No

I am not an SCSC member, so need to join and pay £95

I am already an SCSC member

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