HCRQ, Inc.

"The Key To A Safer World"

Newsletter - July 2010

Safety Standards

At one time, we had one person dedicated full time to the job of following emerging new standards and updates to existing standards. Suffice to say, we reached a point where we could no longer afford this luxury.

For this reason, we are now dependent on our connections to keep us informed. If you have insight of this kind, please send us some information so that we may share it with the other readers. Thank you.

IEC 61508

In case you do not know, the 2010 version of this standard is available.

Perhaps one of our readers can direct us to a list of deltas.

SAE ARP4761A

This is a work-in-progress.

DO-178C

This is a work-in-progress. There is a hope to have the last DO-178C plenary in Nov 2010 in Long Beach, CA. Earliest publication could be three to six months later in 2011.

MIL-STD-882D Change 1

This is a work-in-progress.

Goal Structuring Notation (GSN) Standard

"Goal Structuring Notation is a graphical argumentation notation that can be used to explicitly document the individual elements of any argument (requirements, claims, evidence and context) and (perhaps more significantly) the relationships that exist between these elements (i.e., how individual requirements are supported by specific claims, how claims are supported by evidence and the assumed context that is defined for the argument). Arguments documented using GSN can help provide assurance of critical properties of systems, services and organisations (such as safety or security properties)." - Draft Version 1.0

Note: Our system safety courses now contain an introduction to GSN.

System Safety Conference

ISSC 2010 is scheduled for August 30-September 3. For further information, visit http://www.issc2010.org

Fault Tree Quality Attributes

We have spent some time to refine and update this list for the benefit of government branches (e.g., FAA, FDA, FRA, DOD, MOD, and DND), clients, auditors, and system integrators.

It is common for reviewers to simply not have the time, resources or design insight to review submitted fault trees in detail. Now; however, they will be able to critique fault trees from the standpoint of quality (e.g., within PSP (49CFR236 Subpart H) or PTCSP (49CFR236 Subpart I); within Navy, Army and Air Force contract deliverables).

Visit http://www.hcrq.com/ftqa.html