

#### Greetings

We have been quite busy this year, as opposed to last year. As a result, our newsletter took a back seat to everything else.

We are pleased to be back in touch with you and hope you enjoy this newsletter.

#### SAE ARP4754

While teaching our Aviation System Safety course, we became aware of the fact that some people are not aware of the "A" revision of this standard. It was published 12/2010 and its title is "Guidelines for Development of Civil Aircraft and Systems".

#### Vital Functions

Those of you who work with light and heavy rail systems in the U.S., will be familiar with this term. Have you ever heard of someone saying that if the function is not vital then it is not safety-related? Regrettably, we have.

#### Feedback

Hey everyone! Just a reminder!

Please feel free to send us announcements, articles, lessons learned, etc. so that we can share them with the other readers.

#### Aviation System Safety Course

Speaking of this course, it now covers system safety analysis techniques for both airborne and ground-based systems.

#### Full Railroad Safety Advisory Committee (RSAC) Meeting

We understand that the next meeting will take place in the November/December timeframe.

#### Post-Design Safety Analysis

In more situations than we would care to admit, system safety analyses lag behind design, so much so that it is too late to influence design.

We also continue to see cases where the lag is so great that the safety analyses are produced after the code has been written.

#### FMEA Standard

One of our contacts sent us a copy of "Standard for Performing a Failure Mode and Effects Analysis (FMEA) and Establishing a Critical Items List (CIL) (DRAFT), Flight Assurance Procedure (FAP) - 322-209".

Perhaps one of our readers can provide us with additional insight.

#### 6th IET International System Safety Conference 2011

September 20-22  
Birmingham, UK  
<http://conferences.theiet.org/system-safety/index.cfm>

#### Fault Tree Analysis Document Content

Perhaps you remember back in the November Update 2010 issue where we asked what should appear inside this document besides the fault trees and the minimal cut sets. Well, we are seeing a fair number of submissions which only contain the fault trees—no minimal cut sets, no minimal cut set analysis, no CMA, etc.

Telephone :  
757-564-7703

Fax :  
757-564-7704

Email :  
[info@hcrq.com](mailto:info@hcrq.com)

Web :  
[www.hcrq.com](http://www.hcrq.com)