



Program Management and Safety: *A Valued Partnership*

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The partnership defined

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- **Program managers, chief engineers and system safety professionals must**
 - Work together to ensure our customer's success through system safety
 - Communicate and collaborate
 - Work together, but maintain independence

To succeed, partners must have common objectives

Value in partnership

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- **Carl's Story – “Hazards Only”**
- **Bob Schmedake's Pet Peeves**
 - Vague analysis
 - Cut-and-paste methodology
 - Understanding data and its limitations
 - Inadequate identification of risks
 - Software safety must be part of system safety

How do we build value into the partnership?

Start with the customer

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- **Members of the partnership must build a strong relationship with their customers**
 - Program Manager: Works with the acquiring customer, as well as product user
 - System Safety: Works with numerous customer safety and certification agencies, as well as the product user

The customer relationship requires team effort

Make an executable plan

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- **The system safety program plan: More than a check-the-box data item**
 - Tailored to the specific product
 - Defines tools and processes
 - Establishes resource needs for the life of the program
 - Requires buy-in from all program stakeholders

System safety program plan is a roadmap to program success

Program manager role

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- **The program manager must:**
 - Maintain overall authority for execution of the safety program
 - Provide the needed resources
 - Build the organizational and contractual relationships necessary to implement the safety plan
 - Report residual risk, if any, to stakeholders
 - Promote continuous improvement

Hold yourself accountable for these responsibilities

System safety engineer/specialist role

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- **The system safety engineer or specialist must:**
 - Develop tailored, specific safety plan
 - Contribute actively to integrated product teams, suppliers and customers
 - Identify hazards but also help with mitigations
 - Advise program management of residual risks
 - Implement required tools and processes

Hold yourself accountable for these responsibilities

Other system safety considerations

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- **System safety should be intimately involved in early product architecture decisions**
- **Know what data is out there, and be sure to consider it**
- **Keep current on technology developments**
- **Mentor those who follow**

***MOST IMPORTANT:
We are all leaders and must work together to inspire
our teams to take action for success***

Occupational health and safety

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- **My focus has been system safety**
- **Program managers and occupational health and safety experts are also valued partners**
- **Together they should promote a zero tolerance mindset concerning workplace injuries**
- **http://www.boeing.com/boeing/aboutus/safety_health.page**

Own the safety culture in the workplace

Summary

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- **Program management and system safety are key partners in our industry's success**
- **Steps outlined here will help bring value to our partnerships**
- **Thank you for everything you do every day**

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