



**International System Safety Society**

Professionals Dedicated to the Safety of Systems, Products and Services

## **INVITATION TO PARTICIPATE**

### **INTERNATIONAL SYSTEM SAFETY SOCIETY NORTHEAST CHAPTER**

#### **LUNCH and LEARN EVENT**

#### **“HRI 2B OR NOT 2B, AND OTHER CONUNDRUMS IN SAFETY RATE INTERPRETATION”**

Please join us on Wednesday, 24<sup>th</sup> March 2021 at 12:00 PM EDT (Singapore Time: Thursday, 24<sup>th</sup> March 2021 at 23:59) for a Lunch and Learn event featuring David McDermott who will discuss how different interpretations for determining the probability of a safety event can lead to different management conclusions.

#### **DESCRIPTION**

Advocates of quantitative safety risk analysis will cite advantages including less subjectivity needed to determine required corrective actions. Indeed, with good input data and statistical models consistent with physical failure mode behavior, quantitative risk analyses have proven to be accurate and effective in managing risk. However, when failure rates are not constant, and part age matters, then there are multiple ways one can use to apply a failure rate to acceptable risk criteria. These interpretations can yield vastly different conclusions which undermine perceived advantages of quantitative risk management.

David McDermott, a P&W Senior Fellow, will share an assessment of the impact of safety rate interpretation to risk management decisions and provide recommendations for industry consideration. The assessment will review current continued airworthiness standards and guidelines in both commercial and military applications. An example will highlight the potential differences between methods. This presentation is intended to heighten awareness within our safety professional community to work towards a more consistent and intuitive safety rate interpretation.

#### **ABOUT DAVID**

David McDermott is Senior Fellow of Product Safety at Pratt & Whitney. He has over 30 years at P&W working in various roles related to system safety, reliability, and continued airworthiness. David has a BS aerospace engineering from NC State University, MS mechanical engineering from University of Florida, and an MBA from University of Massachusetts, Amherst.

The session will be conducted via Zoom online meeting platform.

Meeting link and call-in information will be emailed to you upon successful registration online.

To register, click here: <https://form.jotform.com/210804402137443>

Thank You.

Organising Team, ISSS