

## WORKSHOP CHAIRMAN

Mark R. Hussey  
GE Aircraft Engines Flight Test  
Operations

## TECHNICAL CHAIRMEN

Richard L. Newman  
Embry-Riddle Aeronautical University

David J. Houle  
Society of Flight Test Engineers  
Flight Tester Emeritus

## PARTICIPATING ORGANIZATIONS

AFFTC  
ATTC  
American Institute of Aeronautics and  
Astronautics  
BAE SYSTEMS  
Boeing Commercial Aircraft Company  
CAE Electronics  
DASA  
Embraer  
Embry-Riddle Aeronautical University  
Empire Test Pilots' School  
Federal Aviation Administration  
GE Aircraft Engines  
Kalman & Co., Inc.  
Learjet  
Lockheed-Martin  
Management Sciences  
National Test Pilot School  
Naval Air Weapons Center  
NASA  
Raytheon  
Society of Experimental Test Pilots  
Society of Flight Test Engineers

## CHARTER

Initiate and sustain a Flight Test related Safety Organization intended to promote flight safety, reduce the risk of mishap, promote risk management and continually improve the profession's communication and coordination. To facilitate these goals, the Committee will develop, implement, and maintain a Flight Test related computerized database readily available to all members and member organizations.

## MISSION STATEMENT

1. Foster good interchange of information related to Flight Test Lessons Learned to reduce potential mishaps.
2. Promote an atmosphere of sharing Lessons Learned and/or Best Practices for risk reduction management.
3. Direct the effort to promote Flight Test Safety through education.
4. Gather information to compile the database and accomplish the goals of the Charter.
5. Assimilate the information in a user-friendly computer system, provide worldwide access and update the database, as information becomes available.
6. Ensure that the data collected, used, and distributed from this effort DOES NOT REFLECT upon the prior actions, incidents, or accidents of the members or associated organizations.

## *FLIGHT TEST SAFETY WORKSHOP 2002*

## *"SYSTEMS FLIGHT TESTING IN A REALISTIC ENVIRONMENT"*

SPONSORED BY THE  
EMPIRE TEST PILOTS' SCHOOL

And

KALMAN & CO, INC.



RMS QUEEN MARY  
LONG BEACH, CALIFORNIA

29 April-1 May 2002

## **TUESDAY, 30 April 2002**

**0715-0815 – BREAKFAST  
ROYAL SALON**

**0830 – 0845 WELCOME  
QUEENS SALON**

Mark Hussey  
Workshop Chairman

Roger Beazley  
Empire Test Pilots' School Sponsor

Bart Henwood  
Kalman & Co., Inc. Sponsor

Richard Newman  
Technical Presentation Chairman

David Houle  
Technical Presentation Chairman

**0845-0915  
Lockheed Martin C-130J Natural Icing  
Certification Test Program**  
Ralph "Butch" Johnston, Lockheed Martin  
Robert Ryan, Lockheed Martin

**0915-0945  
Flight Controls Need Hydraulics or How  
Not to Loose a Valuable Test Aeroplane**  
Terry D. Smith, BAE SYSTEMS

**0945-1000  
Coffee Break**

**1000-1230  
Adverse Weather Test Session**

**Introduction to Adverse Weather  
Testing**  
Richard Newman  
Embry-Riddle Aeronautical University  
Loran Haworth, FAA  
Lorry Faber, FAA

**Natural Icing Flight Testing –  
Controlling the Risks**  
Dennis Newton, Consultant DER

**Turbulence Detection Flight Testing**  
H.A. Verstynen, NASA Langley  
S.D. Harrah, NASA Langley

**Synthetic Vision Flight Tests**  
R.M. Norman, Boeing

**Enhanced Vision Flight Tests**  
R.V. Kruk, CAE Electronics

**1230-1330  
LUNCH – ROYAL SALON**

**1330-1700  
HANDBOOK BREAKOUT SESSIONS**  
Bart Henwood  
Kalman & Co., Inc.

**Engine Out**  
Regent Room, Promenade Deck

**High Angle of Attack**  
Board Room, Promenade Deck

**Night-Adverse Weather**  
Mauretania Room, Main Deck

**T/O & Landing**  
Victoria Room, Promenade Deck

**Flight Control Systems**  
Queen Elizabeth Room, Sun Deck

**1900-2100  
RECEPTION**  
Verandah Grill  
located on the Sun Deck

## **WEDNESDAY, 1 May 2002**

**0830-0900  
Safe Autoflight Testing in  
Difficult Conditions**  
Flash Parlini, Boeing Commercial Airplane

**0900-0930  
Safety Considerations Regarding Flight Test  
Instrumentation Installations**  
Daniel W. Hrehov  
Boeing Commercial Airplane

**0930 - 1000  
T-45 Main Landing Gear Uplocks**  
Christina Stack, NAVAIR

**1000-1015  
Coffee Break**

**1015 – 1215  
Night Vision Goggle Test Session**  
Lorry Faber, FAA  
Loran Haworth, FAA  
Richard Newman  
Embry-Riddle Aeronautical University

**Night Vision Systems Flight  
Test Considerations**  
J. "Chuck" Antonio, NAWC/AD

**Electro-magnetic Interference and  
Compatibility (EMI/EMC) Testing of the  
AN/AVS-6(V)3 Aviator's Night Vision  
Imaging System (ANVIS)**  
Joe Roberts , Litton  
Electro-Optical Systems

**Civil Night Vision Goggle Testing**  
Anne Godfrey, FAA

**An Overview of Flight Testing  
of Night Vision Sensor  
Systems at NVESD**  
Trang Bui, U.S. Army NVESD

**1215-1245  
Embraer 170 First Flight**  
Jens Wentz, EMBRAER

**1245 – 1345  
LUNCH – ROYAL SALON**

**1345 – 1630  
Panel/Open Forum Discussion**

**"How Can A Certified  
Aircraft Be Broken"**

**1630  
Closing Remarks**