

# ADCSS 2011 Workshop

## FDIR Session - Introduction

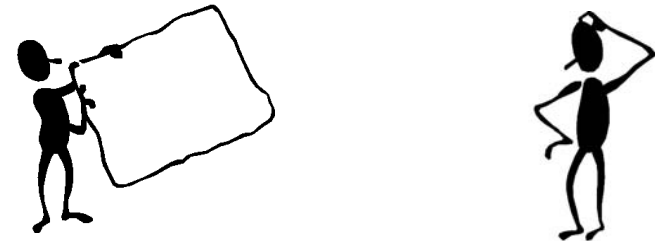
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26/10/2011, Noordwijk

# FDIR Session Objectives

1. To evaluate **issues, shortcomings, challenges** of the current FDIR Development and V&V Practices



2. To evaluate **state of the art approaches** offering effective solutions



3. To identify **common core areas** and agree on **way forward** how to address them.



# Specifically Addressing Areas Of



1. Engineering and deployment of FDIR systems
2. Fitting FDIR concept to mission specific goals, fault tolerance and risk posture
3. FDIR issues and challenges in present and future missions
4. Divergence of FDIR concepts and specifications for similar missions and mission goals
5. Impact of advanced techniques and emerging technologies in DHS, AOCS, SW domains on FDIR concept and design (e.g. highly integrated systems, etc.) with new perspective
6. Existing requirements and processes within ECSS standards. Need for generic set of FDIR requirements ?

# To Achieve These Objectives



## Session organization:

### 1. Setting the Stage – Presentations (9.00 – 12.00)

- Case studies
- Views by European Primes on the FDIR development process
- NASA/JPL perspective on the Fault Management



### 2. Round Table (12.00 to 12.50)

- Discussion on the domain with active contribution by all participants
- Critical/urgent issues which today industry is facing with, along with a trends, directions, approaches on how to deal with those issues
- Reflection on these issues, to create a collective list of findings for factors which need more attention
- Identification of areas of common understanding and agreement with you on a way forward on how to address these issues



# Thank You !

