

Harry Nelson

Loss of Control – In flight LOC-I "Gather the low hanging fruit"



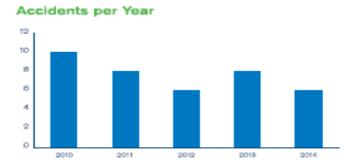
Accident category - Loss Of Control (In flight)

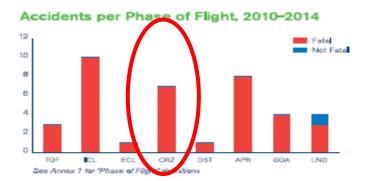
Loss of Control is the No 1 Cause of fatalities in aviation

Accident category - Loss Of Control (In flight)



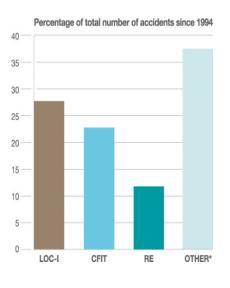


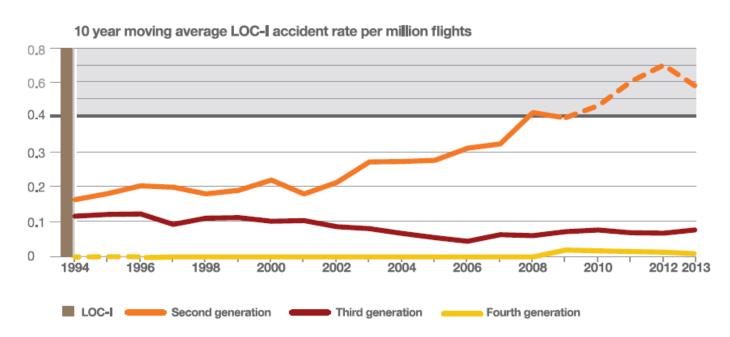






Technology as an efficient safety net





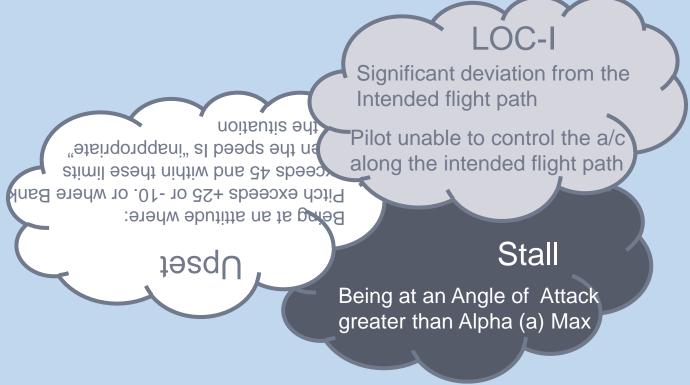
Technology to address Loss Of Control type of accident:

Flight By Wire a/c / Flight Envelope Protection (applicable only to 4th generation of a/c)



Definitions - We tend to mix up three phenomena

.... and it's not always helpful in our understanding of causes...



Notes:

Upset ---> Loss of Control ---> Upset

A Stall always has to be dealt with first

3 Key Messages

1. Avoidance:

Know when they are likely and what to do to avoid

2. Recognition:

Know what to look for as one approaches these conditions

3. Recovery:

Acknowledge and accept that you are in one of those conditions and then take action

1. Avoidance - How they can occur

Flight situations

- Manoeuvering with large control inputs
- 2. Violent weather
- Low and decreasing speed
- 4. Low visibility
- 5. Unexpected go-arounds
- Dealing with abnormal or emergency procedures

Crew situations

- High workload
- 2. Crew surprised / distracted
- 3. Crew fatigued
- 4. Low situational awareness
- 5. Crew communication poor



LOC-I

So let us now hear what our panelists have to tell us on this topic