THE CONTAINMENT MODEL

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In 50 years will we be considered??

“THE DARK AGES”
What is still wrong?

What is the GAP?
What is still wrong?

Just jump the Gap NOW!!
Ignorance of Human Factors is Causing Incidents and Major Crashes
Threat Management and Error Management Model

**Threat**
- Brief
- Step Back
- Discuss
- Communicate
- Plan

**Risk**
- Stop
- Think
- Reassess

**Error**
- Stop
- SOPs

**Neglect**
- Intervention

**OLOC**

**NTS HF PROTECT**

**Event**
Where is the Critical Point?
Threat and Error Management Model

- Threat:
  - Brief
  - Step Back
  - Discuss
  - Communicate
  - Plan

- Opportunity

- Risk:
  - Stop
  - Think
  - Reassess

- Error:
  - Stop
  - SOPs

- Neglect UOS
  - Intervention

- OLOC

- NTS HF PROTECT

- EVENT
Aviation Industry

Prohibits/Ignores

Psychology
&
Biopsychology
How the brain and neuro-transmitters influence our behaviours, thoughts, and feelings.

Especially during ASR (Acute Stress Response)
Worships the Status Quo – Why?

There is a deficiency in acceptance of Human Limitations
Regulator required Standards Are Mostly irrelevant In Human Factors Training
Bankruptcy or Catastrophe?

Bankruptcy

The unrocked Boat

Catastrophe

Better defences
Converted to increased production

Protection

Production
Still complies with the Minimum Standards
A new Skill could Outdate Everything
Where does it fit??????
There be Dragons
How would this new approach work?
Recruitment – what should we look for?

- Skill
- Personality
- Empathy
- Supportive
- Leadership
The “Good Luck” Pilot

My experience shows that the pilots that have the most “GOOD LUCK” have:

• Empathy
• Personality and are
• Team Players
Threat and Error Management Model

- TEM model shows where:
  - The Operation
  - The Individual is
  MOST VULNERABLE

- Acute Stress Response
  - Fight or Flight
  - OLOC
• REAL LIFE Events
  – Must create ASR and OLOC
Training Emphasis

- Managing Undesired Aircraft/Operational States
  - Training to predict
  - Planning for
  - Rehearsing for

WORST CASE SCENARIOS
CLEAR UNDERSTANDING OF HUMAN PERFORMANCE LIMITS
Containment within Robust Boundaries

RULE BASED RESOURCES

- REGULATIONS
- SOP’S
- TRAINING
- Facilities
- LOSA
- CORPORATE PRESSURE
- FDAP
- THREATS
- DUAL INSPECTION
- NOVEL EVENTS
- DENIAL
- ViOLATIONS

SKILL BASED

- HAZARDS
- Safety Audits
- FACILITIES
- Check/Training
- Weather
- Unserviceabilities
- HPL
- Overload (OLOC)
- Stress
- Risk

LIMIT REACHED
YOU ARE ON YOUR OWN

- You are on your own
- *UOS
- Violations

DEATH

- Fatigue
- Serious Injuries
- Job Loss
- Financial Ruin

SERIOUS INJURIES

- Stress
- Overload
- HPL

STRESS

- Job Loss
- Hull Loss
- Death

LOSS of REPUTATION

- Serious Injuries
- Hull Loss
- Death
WORKFORCE ACCEPTANCE OF HUMAN LIMITS
Who has the greatest INFLUENCE over THE FOOTBALL TEAM PERFORMANCE

“THE COACH”
CEO’s and Managers must become COACHES

“the beatings will continue until morale improves”

In the meantime we will keep crashing
CEO’s and Managers must become COACHES

Coaching will help Bridge the Gap
and
remove the “DARK AGES” tag
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