



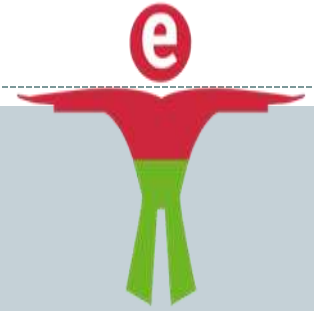
Check 6 Stena Carron



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Career U. S. Navy
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Objectives



- High level overview of Check-6
- Broad overview of Check-6 Integration on Stena Carron





Check-6 Approach



“Helping to refine operational efficiency and safety in high reliability organizations with a focus on leadership, operations process and teamwork.”





Check-6 Background



- Military Fighter Aviation & Special Forces Operations
- NASA Space Program
- Commercial Aviation
- Nuclear Powered Navy





Six O' clock "Blind Spot"





“Check-6”

Mutual Support



Teamwork
Ownership & Accountability
Continuous Improvement

Deliberate leadership engagement driving improved safety & operational results



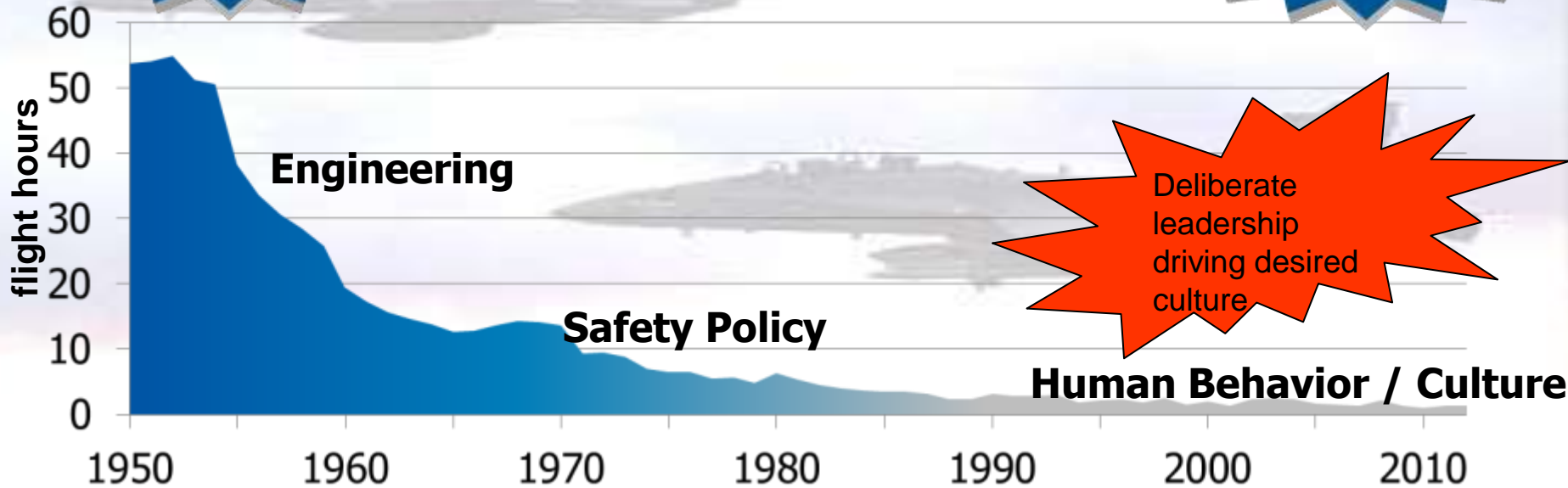
Aviation Safety Historical Perspective

776 aircraft
destroyed in
1954

US Navy & Marine Corps Aviation Mishaps

12 aircraft
destroyed in
2013

Mishap rates per 100,000
flight hours



Forrestral (1967) ↑

Piper Alpha (1988) ↑

Source: US Naval Safety Center

NASA Culture



Commercial Aviation







Operational Discipline



Driving culture...

Improving safety, reliability and efficiency

Leadership...Teamwork...Compliance...Continuous Improvement





Operational Discipline



➤ Apply elevated rigor & focus to:

- Core Work Practices & Skill sets
 - Planning, Briefing, Execution & Debriefing
- Work Instructions, Standard Operating Procedures
- Managing Safe Work
- Process and Personal Safety





Operational Approach



- Integrate with crews on-site
- Rig based coaching
 - Daily operations on-site
 - Plan / Brief / Execute / Debrief process
 - Integrated with Equilibria, E-Colors
 - Shared leadership, teamwork & operational process insight
- Coach Chevron & Business Partner SMS, operational tools
- Aligned with HES Teams, leveraging their expertise





Operational Discipline



Plan and Brief Checklist

- Objective
- Resources
 - Documents-PTW, Procedures, JSA, IFO Booklet
 - Equipment- Identified/Inspected/Available
 - Personnel- Qualification, Experience Level
 - Comms- Voice, Radio, Hand/Visual, Barriers
 - Know Teams E-Colors
 - Time- Required/Available
- Procedures
 - Review Steps in order
 - Specify Task Assignments
 - Confirm Understanding
 - Specify Time/Place for Debrief
- Risk Assessment
 - Environment/ Equip, Personnel Factors
 - E-Colors (How we get hurt)
 - Concurrent Operations?
 - Hazard ID Wheel

- Risk Controls
 - All mitigations assigned
 - Specify Supervisor Roles/Responsibilities
 - JSA Review
 - SWA (Criteria, Tenets, E-Colors, Barriers)
 - Planned Stops

Execution Checklist

- Is the job going according to the plan/brief?
- Assess situational awareness
- Are changing conditions appropriately addressed?
- Management of Change, Stop Work Authority?
- Re-plan, Re-brief, Resume job?

Debrief Checklist

- Did we meet the objective?
- What went right?
- How could the job have been done better?
- Lessons Learned
- Action Items (Update Procedures, cards, etc)

Remember to review the entire checklist and utilize what applies to your job.



Check-6 Involvement



- Stena Carron Transit & 5 coaching visits to date
 - 2 coaches providing 24 hour coverage for 10 days, with a 11 day break between hitches.
- Integrated with the crew, attending business partner meetings, Pre-Tour's, TBT's, Pre-job meetings, and safety meetings
 - "Boots on deck" with the crew
 - Observations and coaching on Operational Discipline





Check-6 Involvement



- Facilitated round-table discussions on the Plan, Brief, Execute, Debrief process with 320+ crewmembers & Business Partners
 - Focus on standardized structure & content
 - ✦ Meetings, Handovers, JSA Process, Tool Box Talks
 - Discussing crew engagement & briefing/debriefing techniques
 - Sharing best practice leadership actions





Check-6 Approach



➤ We help the team's approach to IFO:

- Pre-Tours & Meetings
- JSAs/Tool Box Talks
- Critical tasks plans, SOPs, briefs
- Debriefs & Lessons Learned

Standardizing Structure & Content
Improving engagement & delivery skills
Best practice leadership actions





Check-6 Approach



- Hazard ID, Prevention & Mitigation
- Stop Work Authority
- High Reliability Organization Best Practices





Measures of Success



- Improved Pre Tour & Handover meeting structure
- More rigorous and thorough planning, briefing & JSA/RA/TBT process
- Increased number, improved quality of debriefs and AAR's held across the rig
- Improved use of Operational Discipline Process by Business Partners
- Heightened focus & commitment toward continuous process improvement
- Facilitating Supervisor's Workshops on debriefing





Check 6 and Equilibria Coaching



Check-6 and Equilibria combining best practices around Process and People



Open Discussion



Objectives



- High level overview of Check-6
- Broad overview of Check-6 Integration on Stena Carron





Debrief



1. Did we achieve our objectives?
2. What went right?
3. How could the job have been done better?
4. Lessons learned
5. Action items



