

# Defence Survival Equipment Trials – Military Aircrew Survival Equipment Requirements and Assessment



# Format and Contents

- We're between you and the bar!
- 2 parts: Nick – background and processes; Karl – survival aids.
- Questions at the end.
- Here until Symposium finishes.



# Who We Are



# Where We Work

- Defence Survival, Evasion, Resistance and Extraction (SERE) Training Organisation (DSTO).
- Located at RAF St Mawgan, Cornwall.
- Tri-Service; SERE training for Defence/Govt personnel.
- Courses inc land, maritime, resistance and synthetic parachuting, plus overseas arctic/desert/jungle courses.
- Part of 22 (Training) Group, RAF.
- SERE policy overseen by PJHQ who own UK JPR policy.



# SERE Video



# What We Do

- Work at the Operational and Tactical levels across all 3 Services.
- Carry out trials tasking authorised by SO2 RAF SERE.
- Provide experience based formal and informal guidance and recommendations on SE matters.



# How Do We Do It

- Carry out subjective and objective physical trials and evaluation to meet tasked outcomes.
- Design trials using best available resources.
- Eliminate skewing factors wherever possible e.g. use correct weights/bulk, using sea not pool.



# How Do We Do It

- Aircrew and maintainer perspectives.
- Use temperate land and maritime facilities on doorstep.
- Use instructors/students on environmental courses.
- Travel overseas if required.





# Who We Do It With – Project Teams



- Aircrew Systems Working Groups.
- Local Technical Committees.
- Meetings.
- Tasking.
- SME input.

# Who We Do It With - Companies

- Symposiums.
- Equipment testing for mutual benefit.
- Trials work through HQ Air Commercial.
- Meetings to consider new equipment.



# Who We Do It With - Commands

- Capability Integration Working Groups.
- Conferences.



# Who We Do It With – Front Line Units

- SME advice to Defence aircraft support centres.
- FL are consulted and included in trials where appropriate.



# A Few Examples.....



# Emergency Personal Locator Beacon



- Tender award imminent.
- Provided scores on Tender submissions.
- Trials will carry out 'field' testing in coordination with the UK Aeronautical Rescue Coordination Centre.

# PAN PLATFORM SE REVIEW

- Initiated in conjunction with AES PT and SO2 RAF SERE.
- Technology and role changes mean review required.
- Karl collating data on aircraft types vs packs and contents.
- User recommendations sought prior to Trials filtering and PT procurement of any non MoD items.



# F-35B LIGHTNING II

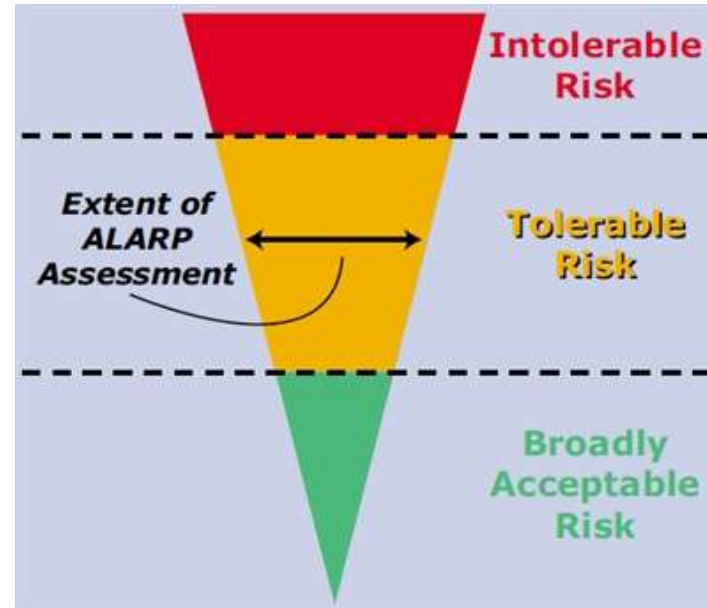
- UK ac will be delivered with SE underseat and on the pilot.
- Trials will recommend a UK Military SE scale within weight and space limitations, working with Squadron personnel and the F-35B Project Team.





# Why Do We Do It?

- Reduce Duty Holder risk (Haddon-Cave, MAA).
- Increase aircrew safety (ALARP, Duty of Care).
- Aircrew have a high training tariff (sustained Operations).



# Survival Aids and Survival Aid Considerations

