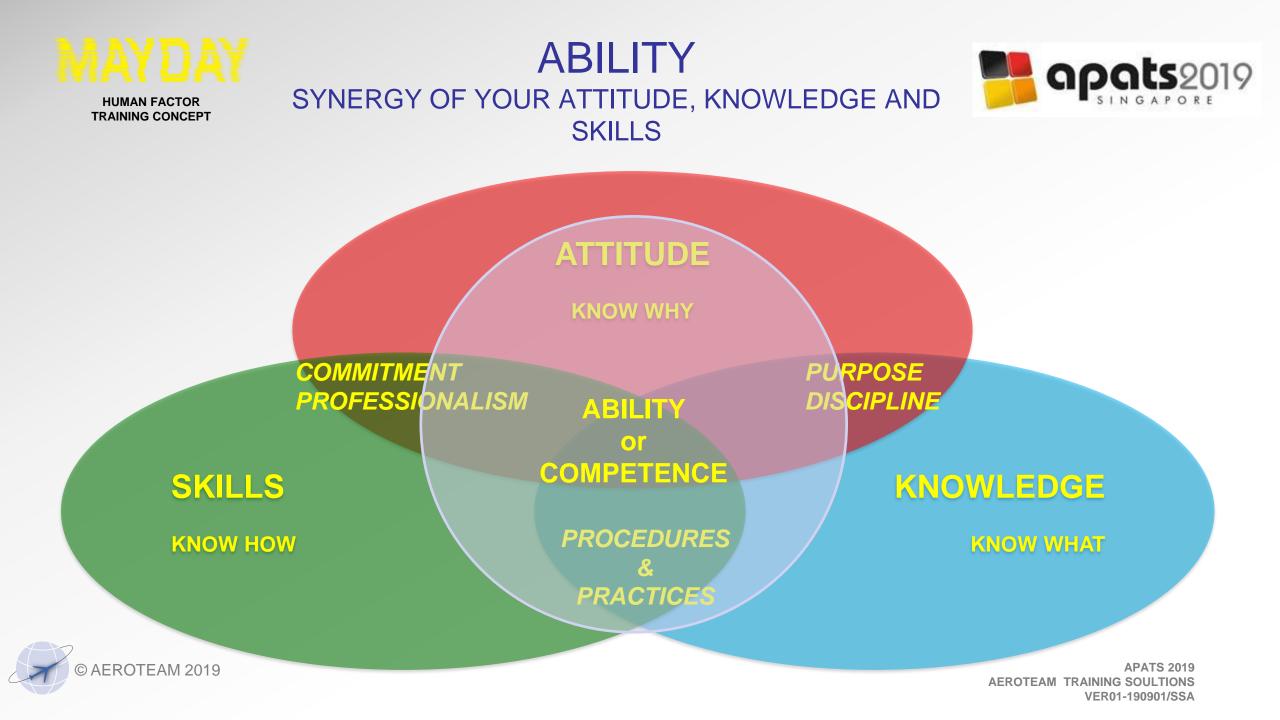


AEROTEAM TRAINING SOULTIONS VER01-190901/SSA









### TEAMWORK

### LEADERSHIP & MANAGERIAL SKILLS

SOCIAL SKILLS





SITUATIONAL AWARENESS

DECISION MAKING SKILLS

## **COGNITIVE SKILLS**



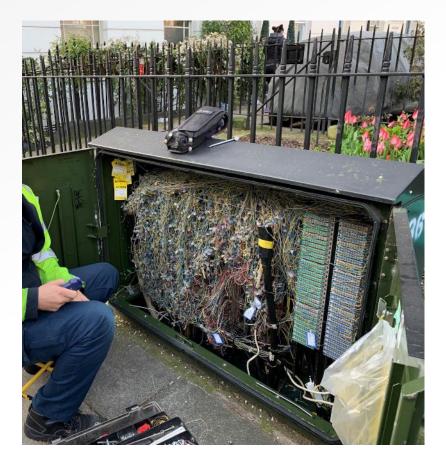


**TRAINING CONCEPT** 

# SIMULATION



- Learning games are Simulations
- Learning by Doing or
  Learning by Simulation
- Simulation creates a situation where ideas, decisions, or actions can be tried out
- Consequences are visible
   No actual risk







POLIC

PRACTICES

STANDARDS

GUIDELINES

RULES

REGULATIONS

COMPLIANCE

TECHNICAL SKILLS FLYING SKILLS Non-technical Skills TRAINING



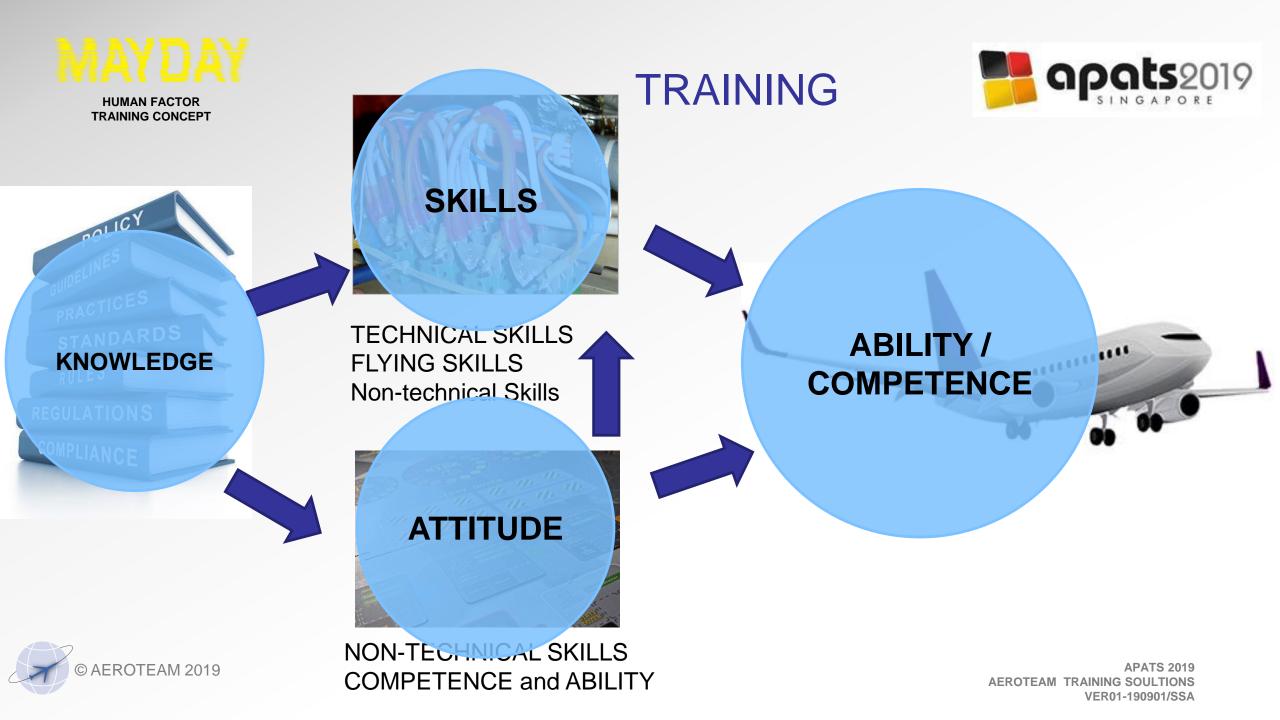


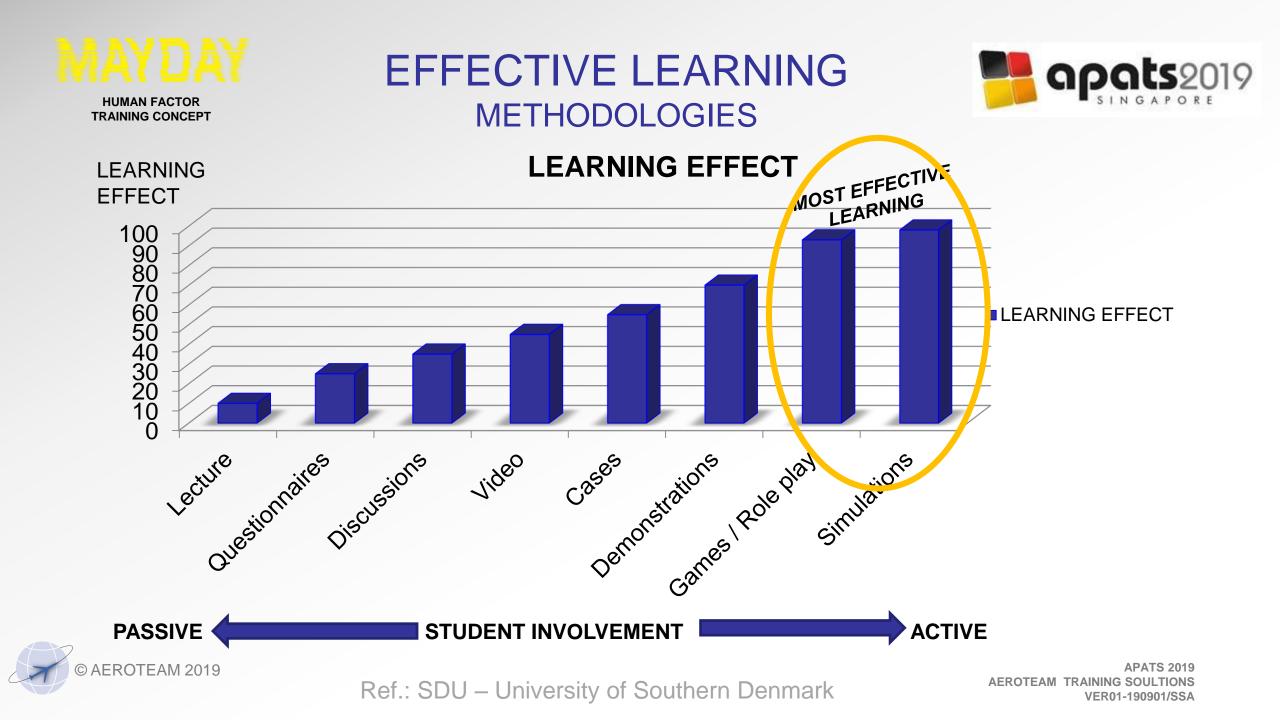
NON-TECHNICAL SKILLS COMPETENCE and ABILITY

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### LEARNING GAMES ANALOGUE OR DIGITAL







### FOCUSPOINT: Learning – Not entertainment



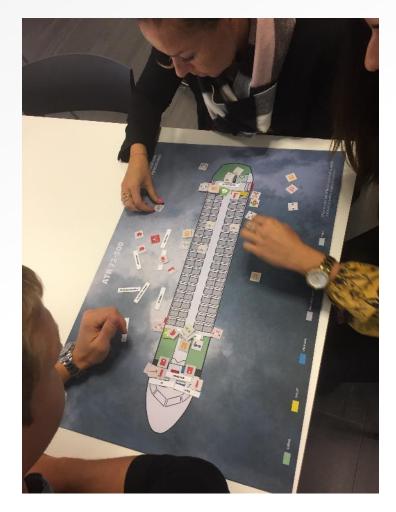


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# SOCIAL LEARNING



- Safe to be challenged
- It is OK to make mistakes
- Mistakes can be evaluated
- ✓ Individual learning → in a dynamic social environment
- Assessment of Non-Technical
   Skills (observable behaviours)





## **STAFF SELECTION**





Bo has spent many years working for different companies on line stations at airports abroad. His basic work philosophy is: "If it flew in, it can fly out". He is always the one handing over jobs to the new shift.



Charlotte has been with the company since she was an apprentice. She is loyal and ambitious and rarely makes any mistakes. She recently divorced and is now a single mom.



# MAYDAY

#### HUMAN FACTOR TRAINING CONCEPT

### **TASKS**

### THE PASSENGER SEAT

You are asked to contact a captain who has reported a problem with a cabin seat reclining mechanism. A repair normally takes 25 minutes. The aircraft has been boarded at full capacity. No spare aircraft are available.

This is only a job for certifying staff

#### Option A

You replace the actuator straight away while the passengers wait in the aisle.

### **Option B**

You ask the captain to send the passengers back to the terminal while you perform the repair job.

### **Option C**

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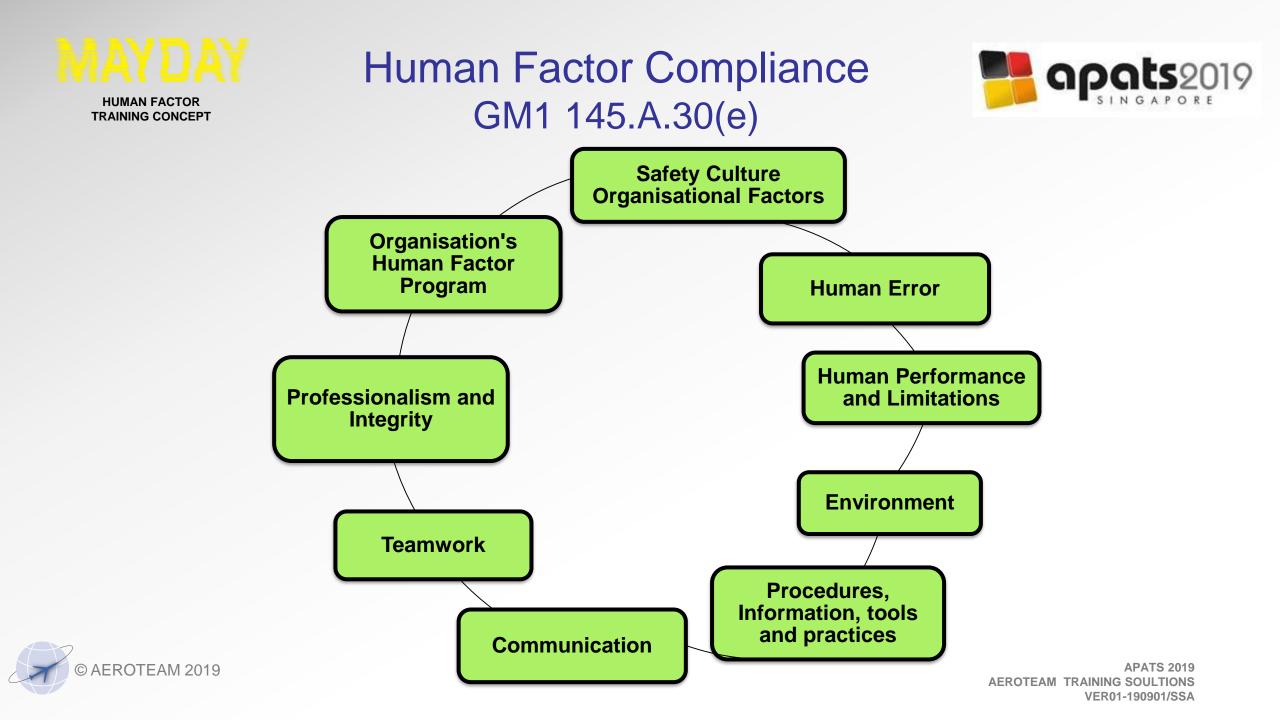
You inform the captain that you will defer the defect in accordance with the Minimum Equipment List.

# DILEMMA





5









- Introduction of Learning Games into crew training will:
  - Enhanced learning effect by active participation
  - Enhance the Non-technical Skills of the crew
  - Visible Observable Behaviours
  - Define problem areas for future training (EBT)
  - Enhance Instructor's Competence in Assessment









- Introduction of Learning Games into crew training will:
  - Connect classroom training to real world operation
  - Enhance learning effect and motivation by active participation
  - Define problem areas for future training (EBT)
  - Enhance the Non-technical Skills
  - Enhance Instructor Assessment Skills







# **DESIGN** of GAMES



Learning games has to be:

**Realistic** – a simulation of reality

**Simple** – simple presentation of complex problems

**Precise** – clear and precise learning objective

Well designed – focus on the *learning*, not technology

Measureable for the learning effect.





**BENEFITS** 



- Benefits of Introducing Learning Games into Crew Training
  - Increase the Learning Effect of CRM Training
  - Enhancement of Simulator Training
  - Enhancement of Crew Competencies
  - Assessment of Non-Technical Skills
  - Observation of Behaviours
  - Cost Effective Training



VER01-190901/SSA



# WHO WAS THIS GUY?



# Søren Seindal Agner, AEROTEAM

- Tour Guide, Cabin Crew, Operations
   Pilot
  - Danish Air Transport (Short 7)
  - Scandinavian Airlines (MD 80)
- Ground Instructor ATPL
- CRM Trainer / Examiner / Human Factors
- Multi Crew Course Instructor (MCCI)
- Training Manager EASA Part 147
- Member of The Danish Flight Safety Council since 2010
  - Human Factors in Civil Aviation

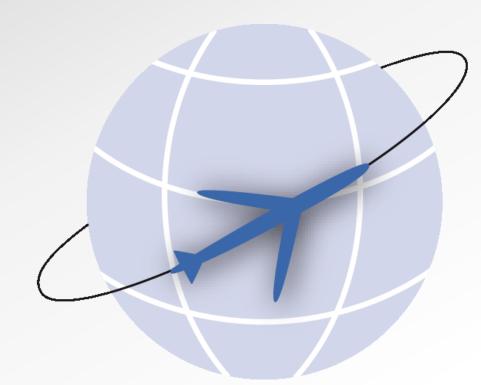






# THANK YOU FOR YOUR ATTENTION!





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... if everything seems under control, you're not going fast enough...

