EASA Skydiving Workshop
Human Factors

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Parachute Drop – High Accident & Incident Rate

Data from EASA Annual Safety Review 2020
EPAS 2021-2025; SPT.0121, SI-4023
Human Factors – Key Issue

Human Factors are one of the Key Safety Issues to be addressed.
Human Factors – Key Event codes and Causes

- Perception
- Situational Awareness
- Decision making
- Non conformance by pilot, crew, team
- Use of equipment
- Qualifications and experience
- Personal actions (delayed, incomplete,..)

We sense, but we do not realise that we have a problem
Human Factors in Parachute dropping operations

- **Time pressure** or specific requests to the Pilot
- Target: **Reduce** flight time to minimum to maximise ‘income’ & reduce **costs**
- Aircraft Operation is a **“side“ effect** of skydiving
- Skydivers are motivated/**drilled for the jump** and not for the flight
- **Aerial Work** = High workload (Airspace, VFR- look out, COM, Weather... )
- Sensitive payload calculation – **CG** determination
- **Stability and Control** reduced due to CG shift
- Reduced **communication** with Skydivers – Jump Master

**Identification of Your Human Factors is essential!**
To be addressed in your individual Safety Assessment/Operating Manual
Parachute/Skydive Operating Manual in force

- Need to develop an **EU - Sample OM**
- **Addressing** the practical lesson learned and **Human Factors**
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- **Training** on Content for Operators and Pilots
- Adressing in such training the **practical aspects** in HF
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- Bring the OM procedures to **life**
- **Enforcement and control** by the operator with all means

Proper OM -> Training -> Enforcement and Control
Chat is open for discussion and proposals