

# Terrestrial Rescue Commission: Working Group: Equal Loading on Both Ropes



## **Süd Tyrol; Kong Plates:**

- Lightweight systems: would be good to know the capabilities and limitations with corresponding data (testing)
- Good to see lightweight systems
- Bulonese Hitch can slip if one rope fails; some management required
- There is interest in starting a Working Group on Lightweight Systems

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## **Harken Winch with Clutch:**

- Weight can be a concern
- Simple if know the devices and has good redundancy; redundancy being defined as no critical point if it were to fail that it would catastrophically affect the load.
- Sticks/stones can interfere with traveling pulleys
- Question of if winch 'needs' to be life-load certified? EU standards?
- There is interest in a Workgroup for Winches!

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## **Lightweight Dyneema System (also applies to other ropes):**

- Emerging technology; numerous changes to rope choices over relatively short time, due to limitations (knots; toothed devices; accumulated damage)
- Falls into Lightweight System Category
- GOPR feels it is a 'system philosophy'

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## **Austria Mountain Rescue:**

- Heavier if use winch and more components with 3<sup>rd</sup> rope
- Anchor point separation concern if too far apart
- Equally pulls on both ropes

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## **Dual Capability Two Tensioned Rope System** (also show Spanned Anchor):

- Can use with Purpose Built Devices which have proven Force Limiting or with Component Based Systems which also have proven Force Limiting
- Question of one operator for each device or one operator for two devices (Clutch; Maestro), each having Rope Tailing (must be tested). Both Systems in use.
  - Smoother with one operator; only one person for DCD command; possibly smaller 'operating space'
  - Caution: not one operator to operate both devices and a separate person feeding the rope

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**Summary:**

- Working Group for Lightweight Systems
- Working Group for Winches
- Good process of Practical Day and Workgroups

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