

A new Loadmaster Harness for the Swedish
Air Force C-130 Hercules.

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- The Swedish Air Force previous equipment had problems regarding interface with other equipment.
- It was not suited for tactical flying.
- There was not room for enough survival equipment .

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C-130 Hercules.

In 2001 the Swedish Air Force decided to buy new equipment for their C-130 crewmembers.

The requirement included a combined dispatcher/parachute harness.

- The Swedish Defence Materiel Administration (FMV) initiated a development program in 2002.

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The problems:

- No harness was found on the open market that met the requirements.
- The time table was short
- The design of the harness required good knowledge of all involved survival equipment.

The solution:

- The decision was taken to develop the harness within Sweden.

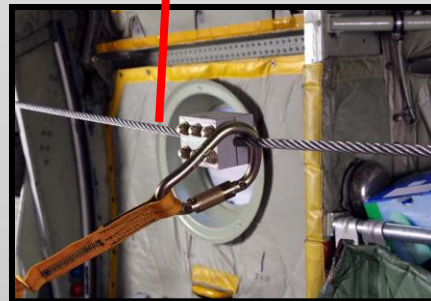
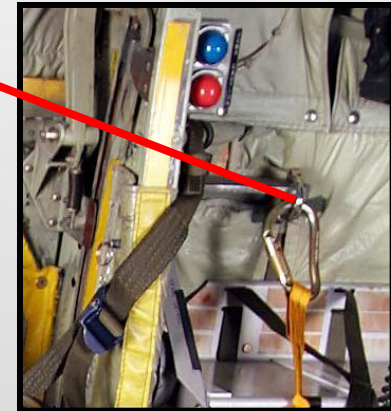
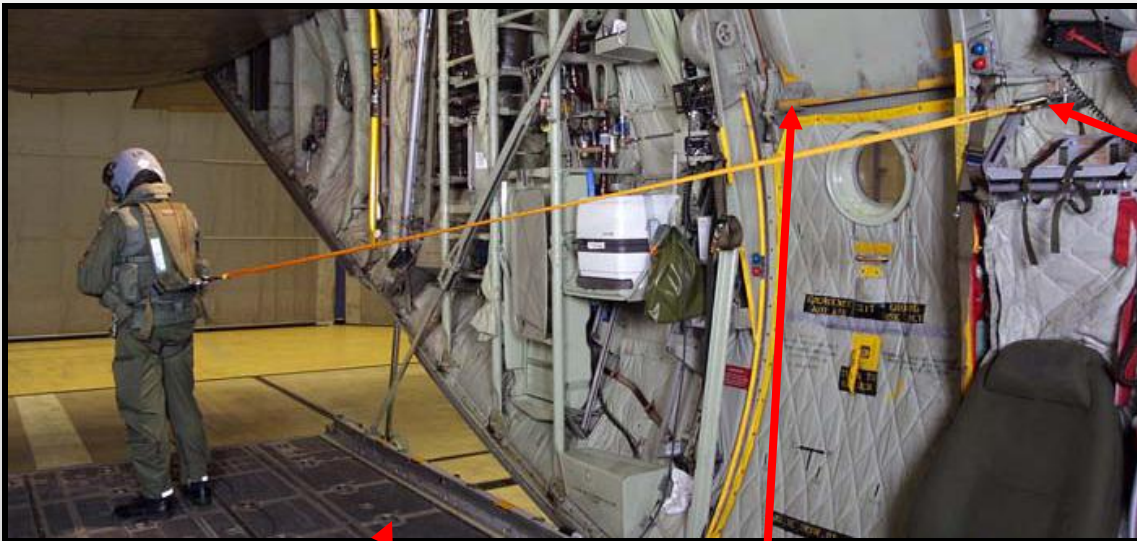
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The requirements were: - A parachute harness.



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- A Loadmaster harness and jumpmaster harness



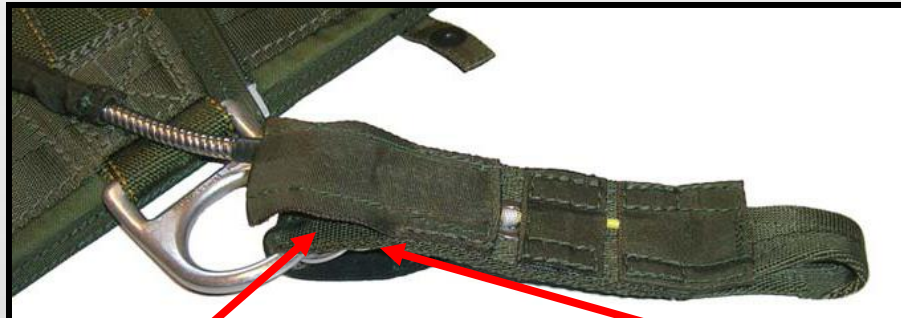
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- Elastic attachment strops.



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-Quick release of attachment strop.



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- Chest parachutes.



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Survival equipment

- Must fit with:
 - Survival waistcoat, body armour, flexible water bag and oxygen connectors.
 - A grab bag with arctic equipment.

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-Weight and size limits

- 70-160 kg suspended weight.
- Body length from 160 cm to 210 cm.
- Body weight from 50 kg to 120 kg.

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-Detachable oxygen system for
high altitude.



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-Attachment points for tactical flying.



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- Covered canopy releases.



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-Small hook knife.



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-Crew detachable attachment strops.



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Conclusions

- All requirements were met.
- The harness was designed and manufactured to MIL-spec.
- From idea to delivery was less than 2 years, including government procurement!

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