



Advance Planning Brief to Industry

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Marine Assault Climbers Kit



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Marine Assault Climbers Kit (MACK)



- **Back Ground**

- Based of original Operational Requirements Document (ORD) of March 1994, a serious of shortcomings with the current kit was identified. A analyses was completed at (Whistler, British Columbia) August 2007, to review the suitability of the current MACK items for future MACK acquisitions.

- **Effort to date**

- Pending MCCD New Requirement (Tentative July 2008)

- **Future**

- The new kit will consist of the most technically advanced, light-weight equipment available within industry.
- Components will be integrated within modules systems thus, allowing selective interchange of kits based on mission requirements.



Marine Assault Climbers Kit (MACK)



- **Capability Required**
 - The MACK Kit will include vertical lift, suspension traverse, steep earth, and snow equipment. Kit must be capable of supporting a 200 Marine, (rifle company) with equipment over a 300 foot (threshold) vertical danger area. (Objective Requirements), cross a 400 foot vertical danger area.
- **New Requirements**
 - Will include the ability to carry out conventional warfare tactics in cold, extreme cold, mountainous, steep, and icy environments. Alpine and Ice (glaciated) missions.



Recommended Mack Modules



- **Steep Earth/mountain ops Module**

- Ascenders
- Cams
- Carabineers (non-locking)
- Hammers with steep Earth Heads
- Nut Tools
- Piton Hammers
- Robe Protectors
- Ropes (dynamic)
- Grappling Hooks
- Belay Devices
- Carabineers (Locking)
- Escape Ladders
- Harnesses
- Nuts
- Pulley Assemblies
- Ropes (static)
- Runners
- Turf Anchors



Recommended Mack Modules



- **Snow / Ice / Glacier Ops Module**
 - Crampons
 - Ice Axes
 - Double spring Axe Tethers
 - Ice Hammer Heads
 - Ice Screws
 - Snow Flukes (Dead Man)
 - Snow Pickets



Questions?

