

MAGTF Utility Tractor Tactical (MUTT)

Purpose: To assist the engineer community/advocate to assess small, multi-use, utility tractors in support of the Marine Air Ground Task Force.

Background: Recent lessons learned from Operation Enduring Freedom included a lack of Material Handling Equipment (MHE) for the purpose of Rapid Runway Repair (RRR)/Airfield Damage Repair (ADR), basic field fortification and rapidly constructed revetments. Candidate MHE solutions in support of Expeditionary Maneuver Warfare, must be small enough for CH-53E transportability, yet durable and rated with an operating capacity to support Forward Operating Bases during contingency operations.



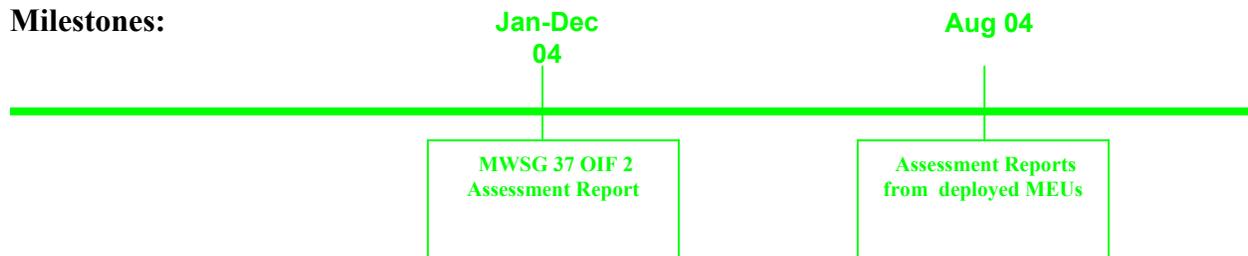
Description: Bobcat front-end and compact track loaders exist on GSA schedules for procurement, yet tactics, techniques, and procedures (TTP's) as applied to 21st century warfighting concepts are needed for their operational employment. The Lab has provided the following MUTT variants for operational experimentation by Marine operating forces:

- Bobcat A220 All-wheel Steer and Bobcat T200 Compact Track Loaders
- Attachments include: auger, backhoe, 4-in-1 combination bucket, wheel saw, pallet forks (hydraulic), breaker, angle broom, vibratory roller. Attachments are interchangeable between loader types.

Marine Wing Support Group-37 is assisting in the development of TTPs and is conducting the ADR/RRR assessment. Second Combat Engineer Battalion is assisting in the development of TTPs and is conducting the field fortification/revetment construction assessment. The Marine Corps Engineer School is assisting in the development of all associated TTPs and is providing input as to fielding and technology management. The Lab will provide overall assessment supervision and, through the US Army Tank Automotive Command, acquire the necessary transportability certification for this technology for rail, highway, marine, and air systems.

Deliverable Products: Assessment reports and refined and validated requirement documentation for future loader acquisition.

Milestones:



Action Officer: 784-1088