



NDIA Tactical Wheeled Vehicles Conference



Marine Corps Systems Command Briefing

Colonel (Sel) S. I. Schuler
Program Manager, Motor Transport
January 2003





Topics



- **Product Group GTES Organization**
- **Light Fleet**
- **Medium Fleet**
- **Heavy/Special Fleet**
- **Future Opportunities**
- **MCSC Business Philosophy**
- **Points of Contact**



Ground Transportation & Engineer Systems (GTES)

Product Group Director

Mr. Lindo Bradley
(703)784-2242x2595

PG 15

Motor Transport

Col (Sel) Schuler
(703)784-3769

PMM 151

Engineer Systems

Mr. Bill Macecevic
(703)784-2501

PMM 152

Expeditionary Power Systems

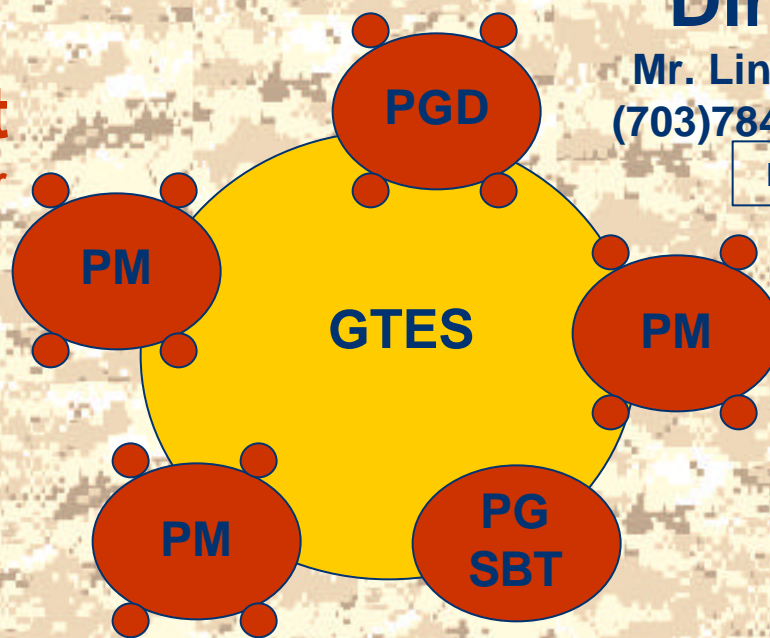
Mr. Mike Gallagher
(703)784-2509

PMM 154

Product Group Strategic Business Team

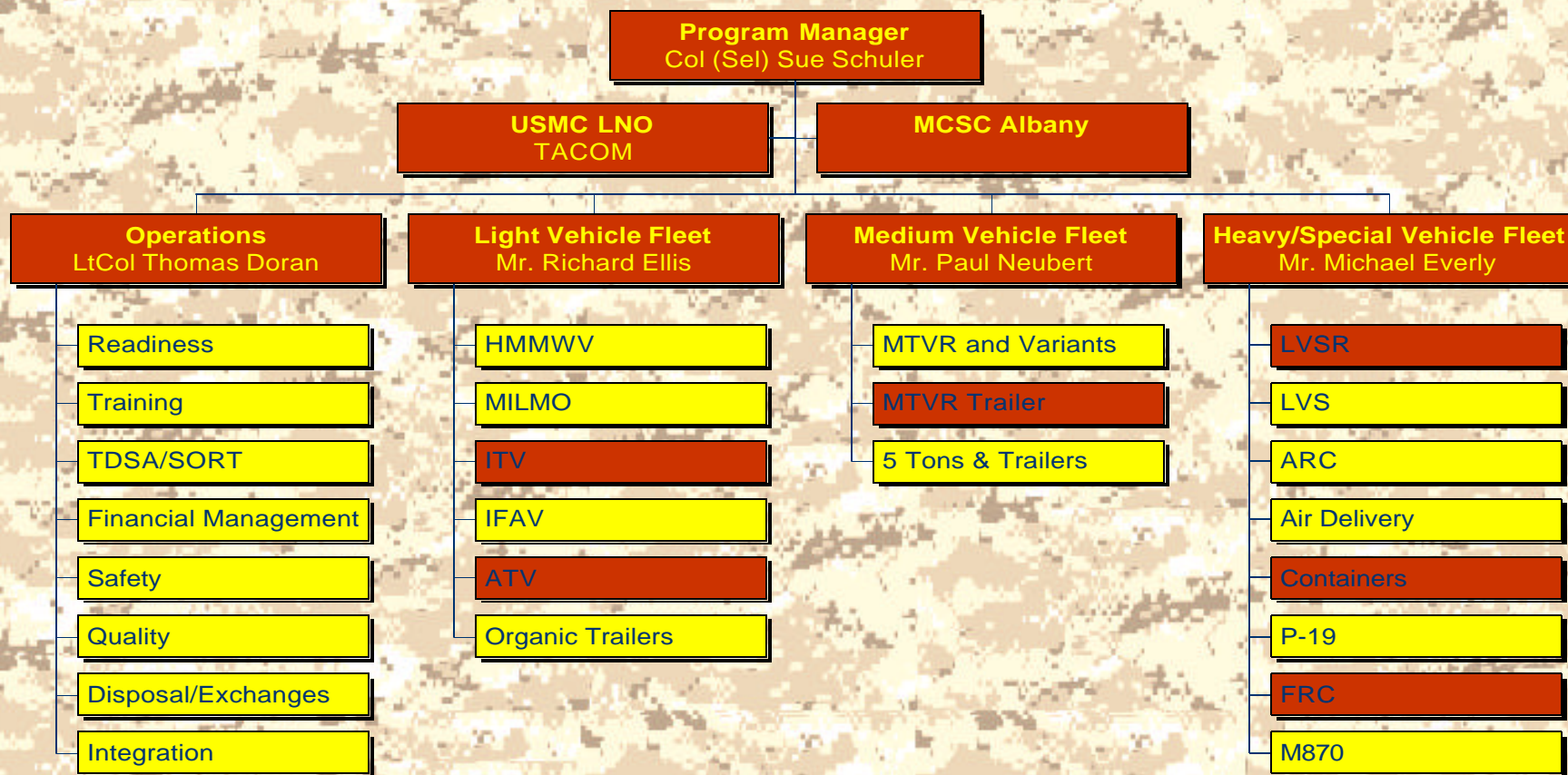
Mr. Al Schuler
(703)784-2242x2588

PG SBT 15





PM Motor Transport Organization





Severe Off-Road Track



- **Cooperative effort with NAC**
- **Located at MCB Quantico**
- **National Capitol Region**
- **Demonstrate new vehicles & vehicle technologies**





Light Fleet



Potential Industry Involvement



Ongoing Acquisition Initiatives



Internally Transportable Vehicle (ITV)



DESCRIPTION

The ITV will provide Marine Air-Ground Task Force (MAGTF) ground combat units with a vehicle that is internally transportable in CH-53 and MV-22 aircraft. The vehicle will be a high mobility weapons platform to support a variety of operations, especially light - strike raids. The ITV is planned to field in conjunction with the MV-22 in the FY06 timeframe. It is envisioned that the ITV will be a base platform for multiple systems that will require internal transport within the MV-22, including the Expeditionary Fire Support System, the Unit Operations Center communications suite, and a utility variant for logistics units throughout the Marine Corps.



PROGRAM STATUS

- Looking at requirements trades and COTS solutions via Studies & Analysis
- Working with PM-V-22, NAVAIR to validate 48" width requirement
- Exploring hybrid-electric technology feasibility
- Related to ATV assessment with MCWL
- Linking with EFSS & UOC as potential prime mover
- Supporting MCCDC in requirements revision; exploring improved external lift as primary insert option

MILESTONE SCHEDULE

TBD – Funding Dependent



All-Terrain Vehicle (ATV)



DESCRIPTION



The light utility class vehicles will be required to perform multiple functions to enhance combat effectiveness by providing resupply capability to infantry squads, platoons and companies while engaging in high-intensity, force-on-force combat. These vehicles must be small/low profile and maneuverable platforms capable of casualty extraction, equipment and limited bulk fuel movement.

PROGRAM STATUS

- Performing Market Survey for COTS ATVs/Quads
- Assessing ATV size and weight limitations for internal MV-22 transport
- Determining Tactics, Techniques and Procedures for Reconnaissance missions
- Assessing impact of diesel fuel upgrades
- Refining performance characteristics for feedback to ORD

MILESTONE SCHEDULE

ORD Pending



Medium Fleet



Potential Industry Involvement



Ongoing Acquisition Initiatives



MTVR Trailer



DESCRIPTION



•The MTVR-Trailer program is a USMC initiative to replace the current M105 Cargo Trailer, M149 Water Bull, and the M353 General Purpose trailer with trailers capable of augmenting the MTVR's increased mobility without degrading its operational capabilities. This program will develop and field trailers which will have greater mobility characteristics while maximizing the commonality of parts across the three trailer platforms.

PROGRAM STATUS

- Program initiation is in FY-04.
- Anticipate award of an R&D contract for design and development of prototype trailers in the 1st Qtr of FY-04.
- AAO for this program is 5,691 total:

M105 replacement = 1,974
M149 replacement = 1,521
M353 replacement = 2,196

MILESTONE SCHEDULE

MS B	FY04
MS C	FY05
IOC	FY08
FOC	FY10



Heavy/Special Fleet



Potential Industry Involvement

Ongoing Acquisition Initiatives





Logistics Vehicle System Replacement (LVSR)



DESCRIPTION



The LVSR will replace the current heavy tactical vehicle fleet system that transports bulk liquids (fuel/water), bulk and break bulk cargo, standardized containers, ammunition and bridging. The LVSR will provide a 5th wheel capability to haul heavy combat/engineer equipment and will provide the Marine Corps' heavy wrecker/recovery capability.

PROGRAM STATUS

- Analysis of Alternatives (AoA) completed May 2001.
- Operational Requirements Document (ORD) validation and approval anticipated 2nd Qtr FY03
- RFP release planned for 2nd/3rd Qtr FY03
- Prime Contractor: TBD

MILESTONE SCHEDULE

MS B	FY04
MS C	FY08
IOC	FY08
FOC	FY10



Flatrack Refueling Capability (FRC)



DESCRIPTION



The FRC is a 2,500/3,000 gallon ISO-configured container with pump, engine, filter system, and hoses that will be carried on an LVSR to support refueling and defueling requirements in an off-road environment. The planned procurement for the Marine Corps is 351 units.

PROGRAM STATUS

- ORD Approval – Annex A of LVSR ORD
- RFP Release – Jun 03
- Source Selection – Oct 03-Nov 03
- MS B – Dec 03
- KT Award – Dec 03
- Prime Contractor - TBD

MILESTONE SCHEDULE

MS B	FY04
MS C	FY05
IOC	FY06
FOC	FY08



Quadruple and Pallet Containers



DESCRIPTION



The PALCON is a palletized container that provides a weatherproof, reusable container that can be arranged into a “cube-shaped” configuration for easy storage and movement of supplies. The QUADCON is one quarter the size of a 20’ ISO container with corner fittings to allow for coupling the QUADCON into arrays of up to four units. An array of four QUADCONs has the same external length and as a 20’ ISO container and is designed to be lifted as a unit.

PROGRAM STATUS

- Replaces/Enhances Existing Inventory of Containers
- QUADCON contract expires in May 2004
- PALCON contract expires in Aug 2004
- Recompete follow-on contracts for both QUADCONs & PALCONs
- RFP to be released 1st Qtr FY04

MILESTONE SCHEDULE

TBD



Future Opportunities

- Improved fuel efficiency
- Prognostics
- Asset visibility
- Corrosion prevention and control
- Improvement/alternatives to current batteries for comm equipment
- On-board power options/capabilities for C4I systems
- Hybrid Electric technology
 - RAM-D
 - Fording
- Contracting opportunities:

<http://www.marcorsyscom.usmc.mil>



MCSC Business Philosophy



- **We will leverage off Industry R&D successes.**
- **We will clearly communicate our needs and interests to our industry partners.**
- **We will encourage efforts to limit the types of wheeled vehicles.**
- **We like the feeling of being treated as a commercial customer, and will demand the same responsiveness.**



MCSC Business Philosophy (cont.)



- 5. We will utilize your effective and efficient support system if it makes sense for the Marine user.**
- 6. For the Marine Corps, an 80% solution today is better than 100% solution tomorrow.**
- 7. We are willing to learn from you how to be a better commercial/NDIA customer.**



PM Motor Transport Points of Contact



Col (Sel) Sue Schuler	Program Manager	(703)784-3769
LtCol Tom Doran	Operations Officer	(703)784-2242x2507
Mr. Rick Ellis	Light Fleet Leader	(703)784-2242x2510
Mr. Andrew Faulkner	Medium Fleet Leader	(703)784-3781
Mr. Mike Everly	Hvy/Spec Fleet Leader	(703)784-2242x2578
Mr. Dennis Cooper	MCSC Albany Tm Lead	(229)639-5053
LtCol John Manza	USMC LNO TACOM	(586)574-7287



Questions ?

