

Special Operations Forces



Industry Conference

COL Jim Smith

Program Executive Officer



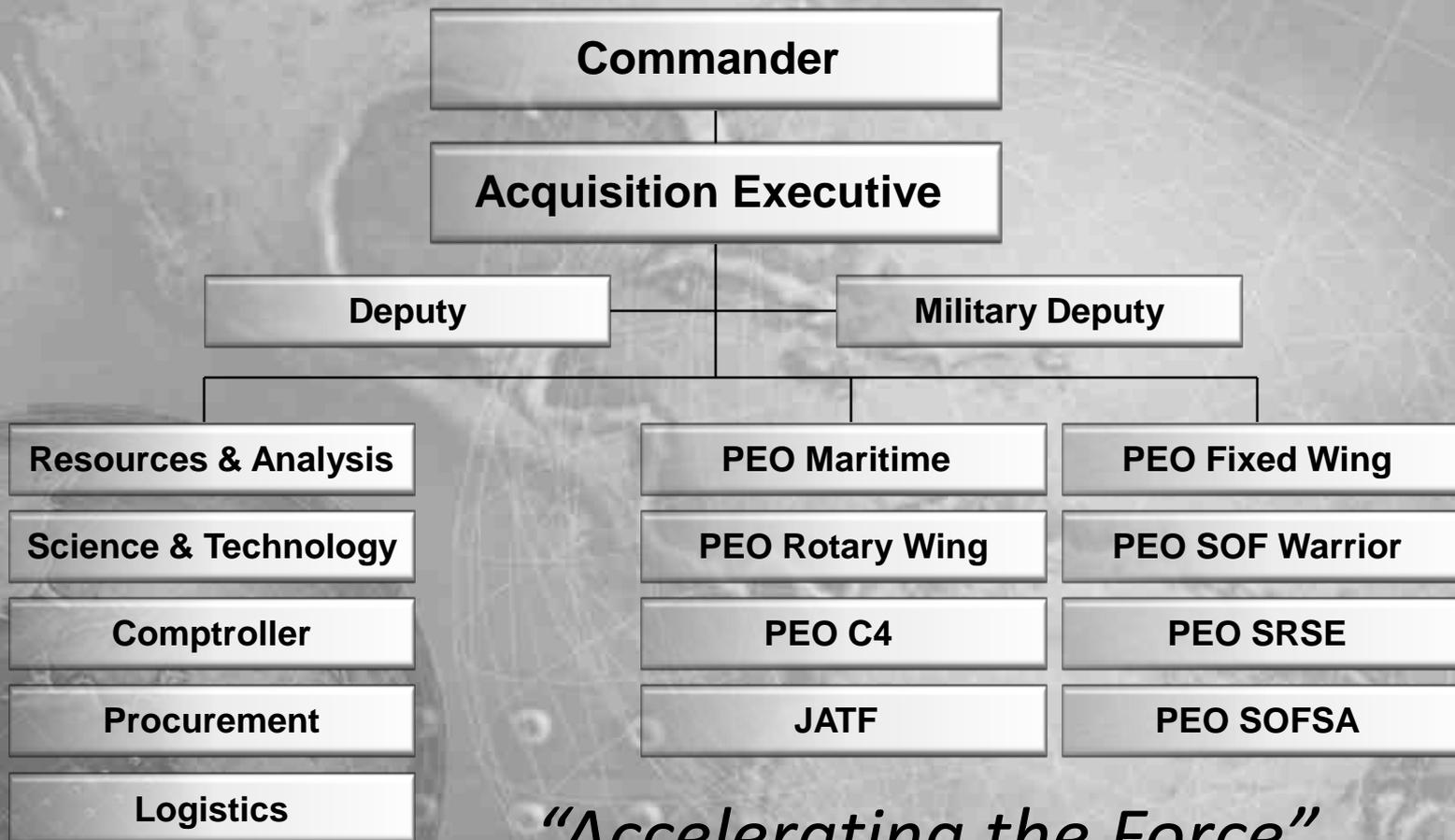
SOF WARRIOR



SOF WARRIOR



Special Operations Research, Development, & Acquisition Center



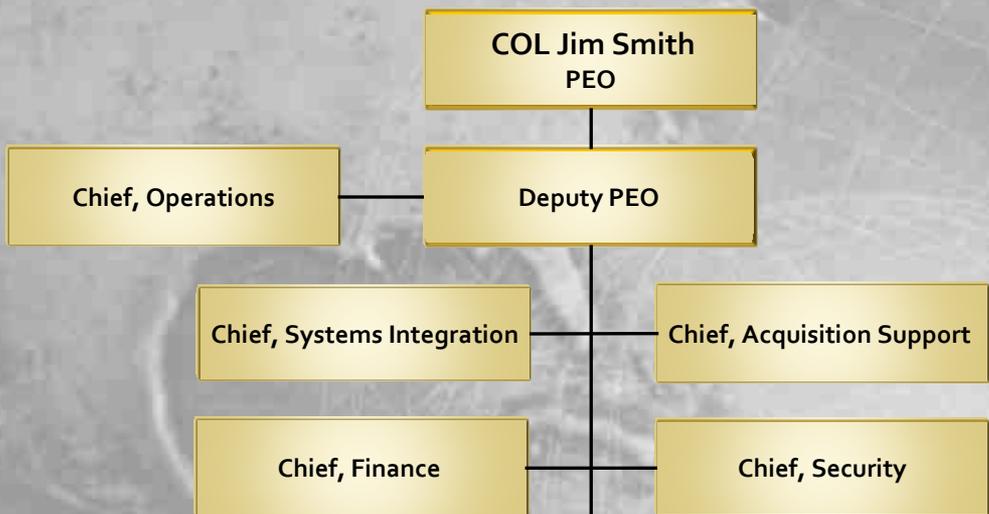
“Accelerating the Force”



SOF WARRIOR



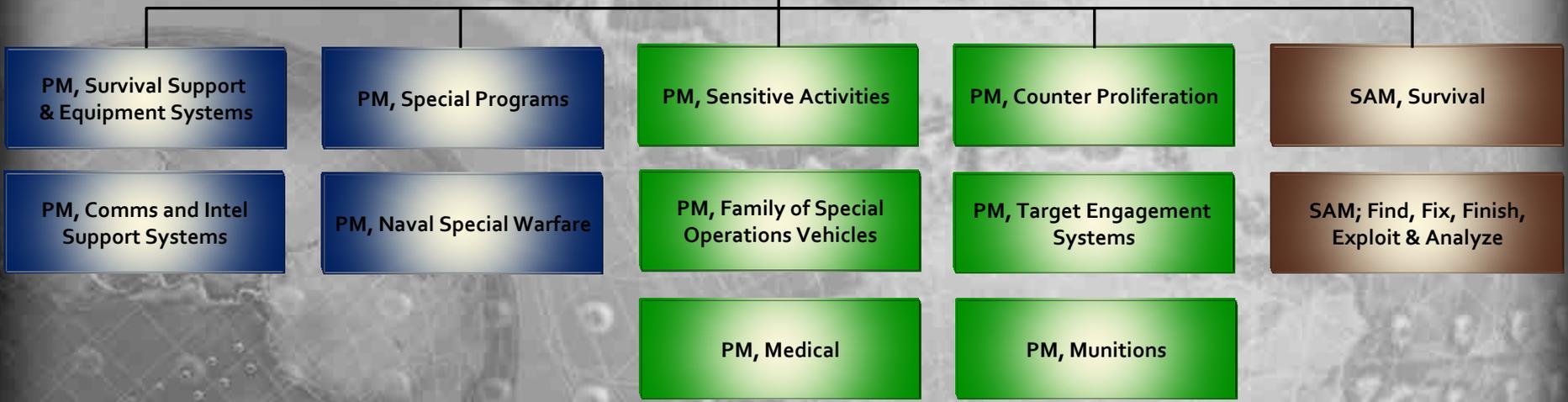
Program Executive Office – SOF Warrior Systems



Externally Located PM

MacDill Based PM

Systems Acquisition Manager (SAM)
(DASC/PEM-like function)



“Equipping the Ground Combatant”



SOF WARRIOR



Win the Current Fight

➤ Find – Fix – Finish – Exploit – Analyze

➤ Village Stability Operations



Expanding the Global SOF Partnership

➤ Full spectrum of SOF activities

➤ Across all Theater Special Operations Commands



Preserve the Force / Families

➤ Medical

➤ Human Performance

➤ Resiliency



Responsive Resourcing

➤ Synchronize S&T to Program of Record

➤ Acquisition Agility thru Combat Evaluations

➤ Protect the FY14-18 Budget





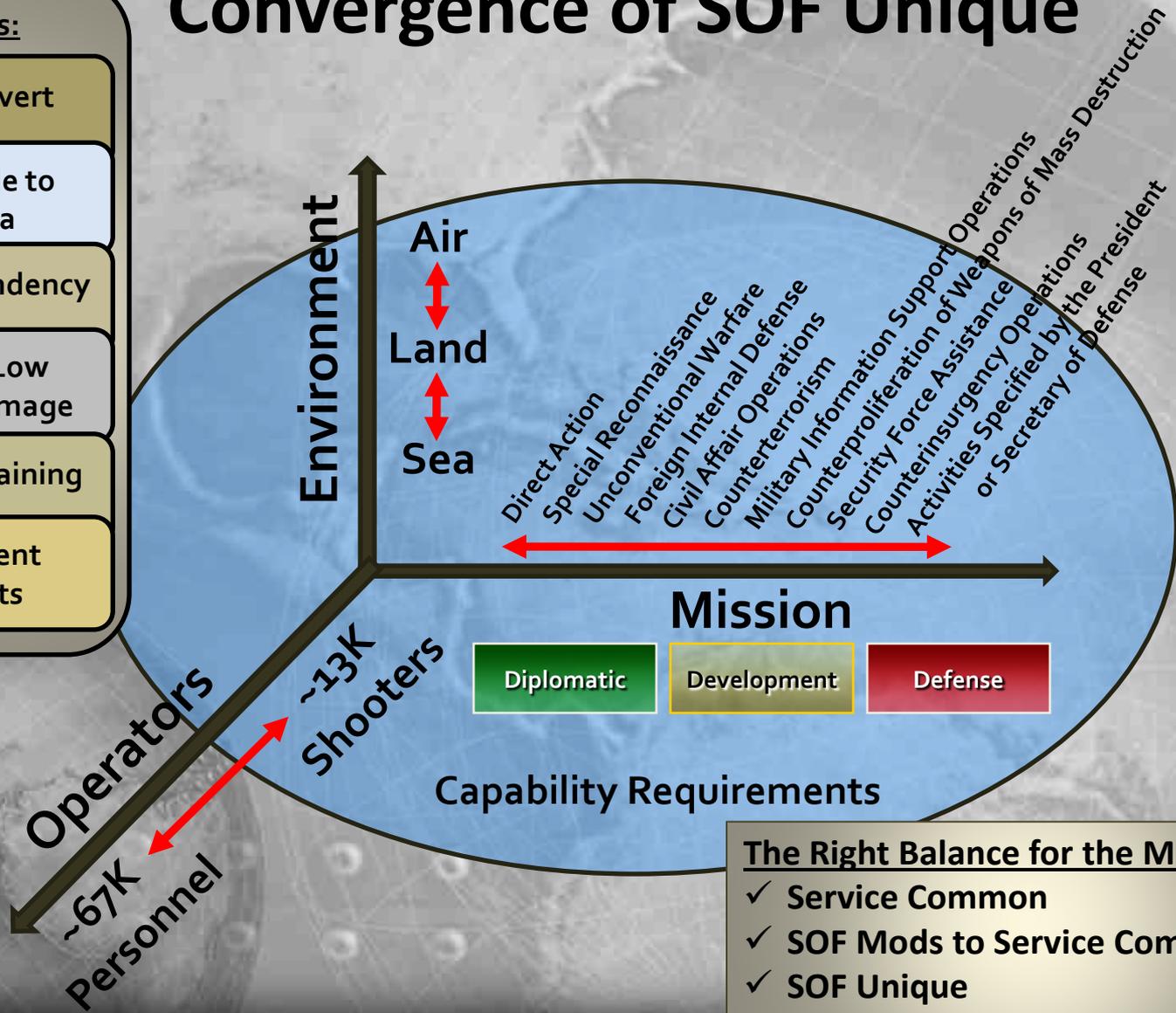
SOF WARRIOR



Convergence of SOF Unique

Attributes:

- Low Vis / Covert
- High Altitude to Under Sea
- Organic Dependency
- Precision / Low Collateral Damage
- Specialized Training
- Self Sufficient Small Units





SOF WARRIOR

Portfolio Overview



MOBILITY

“Individual to Heavy Ground Vehicles”



Light Tactical All Terrain Vehicles



Non-Standard Commercial Vehicles

GMV1.1



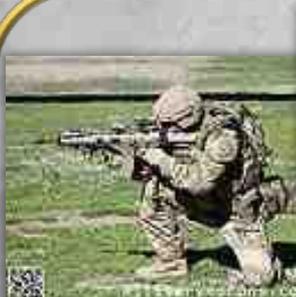
Ground Mobility Vehicle (Medium)



MRAP-ATV (Heavy)

SURVIVAL

“Protection, Load Carriage & Medical”



Combat Uniform & Helmets



Integrated Comms



Body Armor / Load Carriage System



Counter RC-IED Electronic Warfare



Individual & Combat Medic Kits



Casualty Evacuation

LETHALITY

“Munitions, Visual Augmentation, Lasers & Weapons”



Night Vision Goggles



Combat Assault Rifles



Aviation Ammo



Multi-purpose Anti-armor Anti-personnel Weapon System



Demolition Kits



Handheld Laser Marker



Laser Acquisition Markers



Sniper Weapons & Accessories



SOF WARRIOR



Village Stability Operations

Procured items:



Lightweight Tactical All Terrain Vehicle (LT-ATV)



MK44 Mini-Gun & Ammunition



THOR-II



Non-Standard Commercial Vehicles

Weapons Reset & Spare Parts

Re-allocated assets:



MK47 - Advanced Lightweight Grenade Launcher



GMVs



MRAPs

Win the Current Fight





SOF WARRIOR



Expanding the Global SOF Partnership Across the Spectrum of SOF Activities

➤ Force Projection

- Integrated Soldier Systems
- Exploit new Multispectral Sensors
- Long Range Precision Weapons

➤ Force Protection

- Signature Management
- Portable EW Systems
- Suppressors



Austere & Self Sufficient Survival



Deployable / Transportable



Mission Tailor-able Equipment



Multi-spectral Sensors & Modular Weapons



Smaller Lightweight Integrated Systems



Operator & Medic Kits



CASEVAC



Freeze Dried Plasma



GMV1.1



Combat Assault Rifle



MK13 Sniper Rifle w/ INOD



Advanced Lightweight Grenade Launcher



Handheld Laser Marker (LA-10/U)



SPOTR (SU-267/P)

OPSCORE Helmet
THOR/MODI EW Protection
New Suppressor Approaches

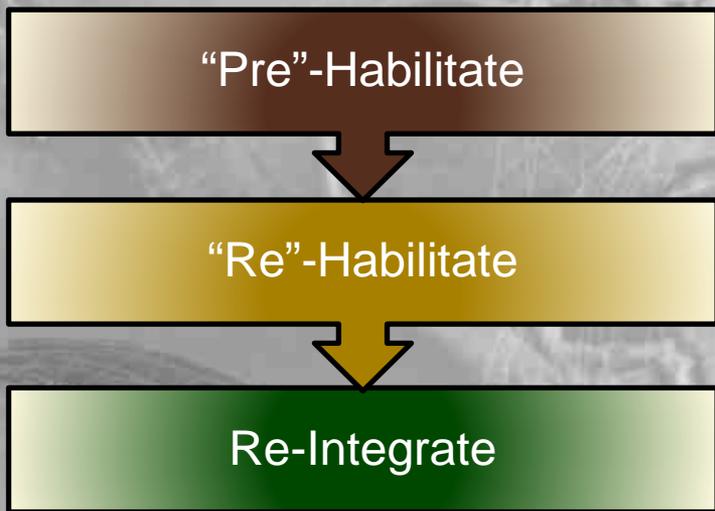


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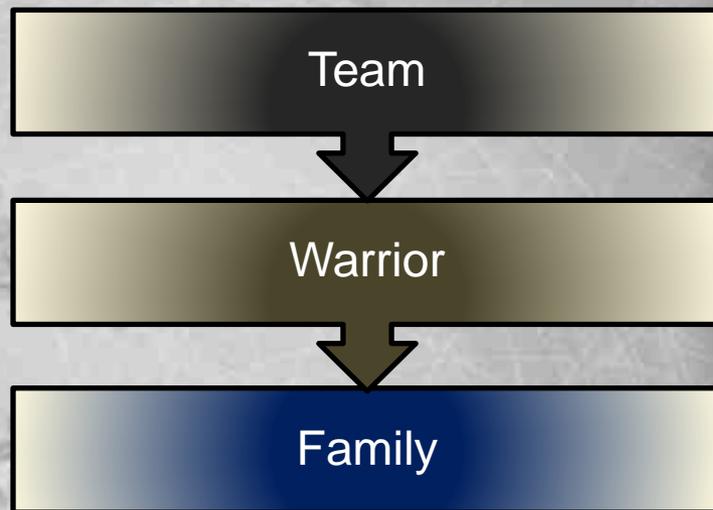


Preserve the Force

Human Performance



Resilience



Responsive Resourcing



Advanced Garment Materials



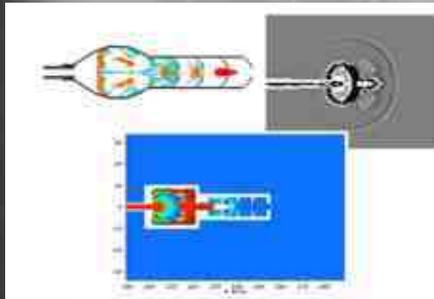
Signature Reduction/Management



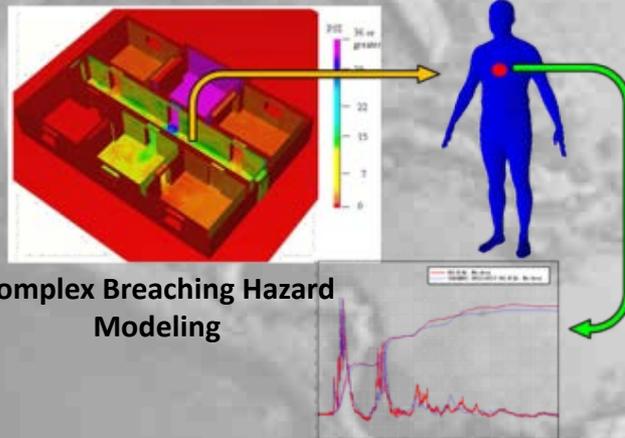
Regain the night using unexploited wavelengths – SWIR Initiatives



Adaptive Multi-spectral Visual Augmentation Devices



Improved Weapons Suppressors



Complex Breaching Hazard Modeling



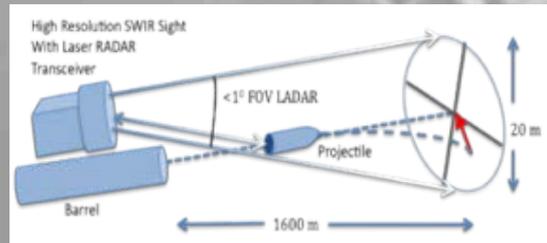
Respiratory Training to Incr. Performance at Altitudes



Hemorrhage Control Dressing



Variable Zoom Sights



Integrated Wind Sensing for Weapon Sight Aiming Solutions



Scalable Effects

Hail – Warn – Suppress – Disable



Technology Focus Areas

Lethality – VAS

- Multi-Spectral Visual Augmentation
- Adaptive & Digital Night Vision Sensors
- Visible Daylight Marker
- Range Dependant Disturbed Reticle Sights
- Selectable Wavelengths for IFF

Lethality – Weapons

- Artillery/Mortar/Rocket Fire Detection
- Organic Precision Strike System
- Scalable Effects – Disabling Devices
- Lightweight Ammunition
- Anti-material/personnel .50cal Sniper Ammo
- Stand-off Wall Breaching

Survival - Protection

- Integrated Signature Management
 - ... Operator, Weapons, Sensors
- Improved Lightweight Ballistic Materials
 - ... Opaque, Transparent, Scalable
- Modeling Tools
 - Complex Breaching Safety
 - Weapons Suppression

Survival – Medical

- Advanced Combat Casualty Care

Systems Integration

- Wireless Universal Power Source
- Power Harvesting, Storage & Management
- Soldier as a System; “Lighten the Load”
 - ... thru Better Integration Approaches



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Questions?

