



SOLDIER SYSTEMS BRANCH



Fort Benning, Home of the MCoE



Branch Chief
LTC Phillip Poteet

Maneuver Center of Excellence - Team of Soldiers, Families, and Civilians from the Best Army in the World!



AGENDA



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- **Mission**
- **Organization**
- **Capabilities Review**



MISSION STATEMENTS



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Soldier Requirements Mission Statement

Soldier Division develops future requirements and manages Soldier capabilities for all Soldiers across the DOTmLPF-P domains, in all formations, with a primary focus on Maneuver Brigade Combat Teams and Squads, in order to strengthen America's Force of Decisive Action and provide the Army with the best trained and capable Soldiers in the world.

SSB Mission Statement

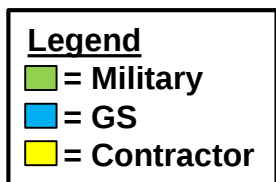
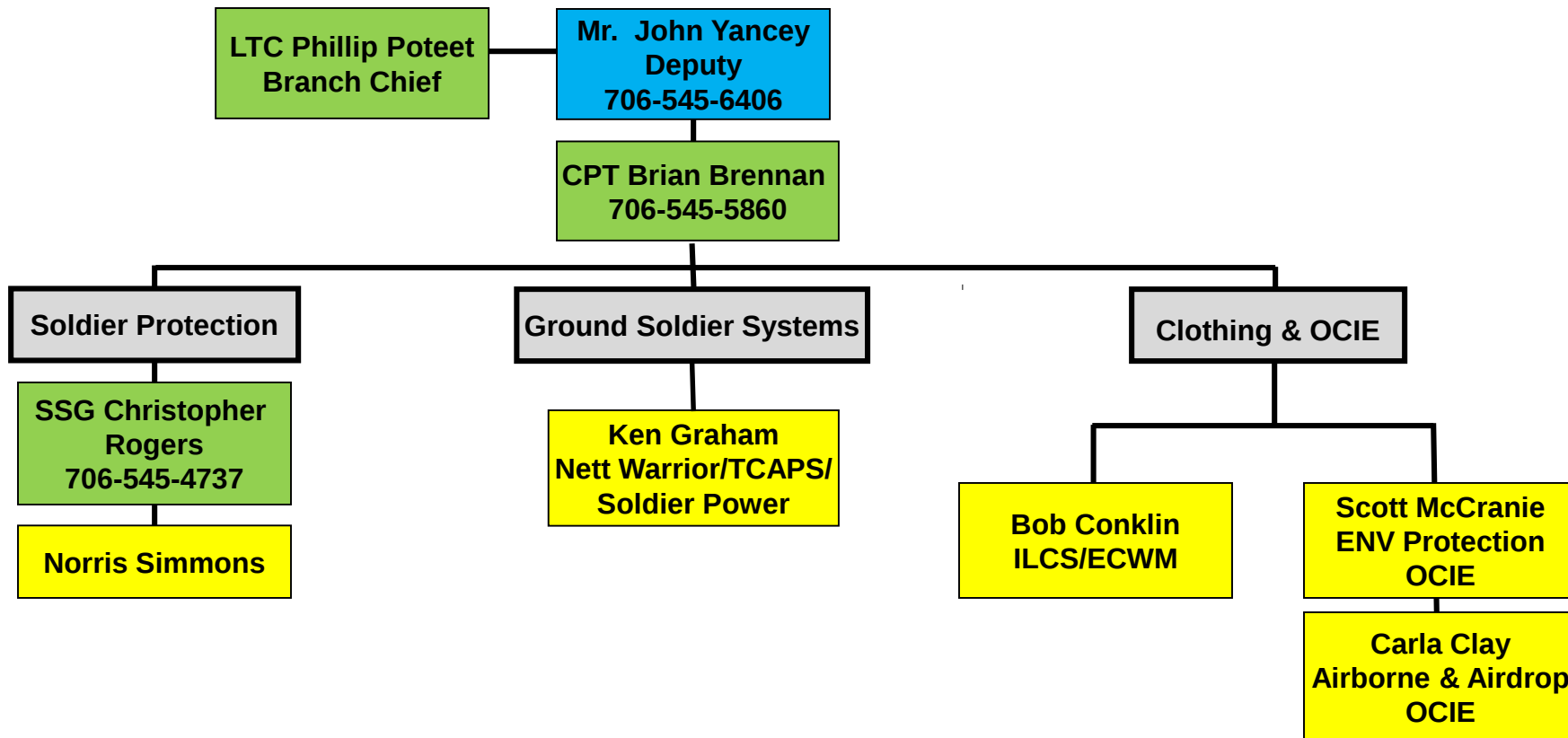
Develop, Coordinate and Staff Individual Soldier Requirements to the Department of the Army and Joint Staff in order to provide a trained and ready Soldier with fully integrated, modular, tailorable and scalable capability based on Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, Facilities and Policy (DOTmLPF-P).

“Fully integrated capabilities to optimize system performance while reducing bulk, stiffness and weight.”



CURRENT SSB ORGANIZATION

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CAPABILITIES REVIEW

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SOLDIER PROTECTION SYSTEM



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Description: The SPS integrates lighter hard armor plates, soft armor ballistics, pelvic protection, modular helmets, blast sensors for the body, transitional eye protection, and, improved hearing protection. Each piece of equipment is designed to function and complement other parts of the system, yet function independently.

There are five major subsystems of SPS

- 1. **Vital Torso Protection (VTP):** The VTP system consists of hard armor plate inserts.
- 2. **Improved Head Protection System (IHPS):** The IHPS consists of the helmet, maxillofacial shield, and passive hearing protection.
- 3. **Transitional Combat Eyewear Program (TCEP):** TCEP consists of ballistic protective eyewear capable of transitioning from light to dark and dark to light in ~ one second or less.
- 4. **Integrated Soldier Sensor System (ISSS):** The ISSS will field an openly architected Soldier Sensors system, which will gather physiological data by assessing the individual Soldier's condition. [\(Transitioning to PM SWAR in APR 2017\)](#)
- 5. **Torso and Extremity Protection (TEP):** The TEP system provides scalable, soft armor protection and consists of the Modular Scalable Vest, the Ballistic Combat Shirt, the Blast Pelvic Protector, and the Load Distribution System.



The SPS VTP (front and back hard body armor plates) shall provide the appropriate level of ballistic protection than the current baseline suite of torso (ESAPI and XSAPI) plates.



The SPS VTP (side hard body armor plates) shall provide the same or better ballistic protection than the current baseline suite of (ESBI and XSBI) side plates.

Torso and Extremity Protection (TEP)
(Low Profile to Full Tactical Configurations)



Integrated Head Protection System (IHPS)



Ballistic Applique



NAPE Protection



Maxillofacial System

Integrated Soldier Sensor System (ISSS)



PSM



Transitioning to PM/SWAR 2017

Transitional Combat Eyewear Program (TCEP)





ENVIRONMENTAL PROTECTION

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- Soldiers today deploy throughout the world and perform their duties in temperatures ranging from **-60°F to 135°F**. There is a need for scalable, mission tailorable and modular environmental protection components to provide Soldiers with the proper level of protection.
- Current environmental clothing in the Army inventory includes the Extended Cold Weather Clothing System (ECWCS) GEN III, Extreme Cold Weather Boot (ECWB), Intermediate Cold/Wet Boot (ICWB), and a variety of cold weather hand wear.
- The components will provide environmental protection in all temperatures and environments. The desired capabilities include:
 - Layered protection to head and extremities
 - Clothing system (integrated)
 - Hand wear and footwear protection
 - Flame resistant



Enhances Individual's ability to complete collective task

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JUNGLE COMBAT CAPABILITIES



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- As the US Army refocuses on Light Infantry operations and **jungle warfare in tropical environments**; Soldiers will operate in tropical rain forests, deciduous forests, mangrove swamps, palm swamps, rice paddies, savanna and bamboo.

Uniforms & Boots

- In order to maintain operational readiness Soldiers operating in tropical/jungle terrain desire jungle combat boot and uniform that will support:
 - Wet and muddy jungle conditions.
 - Active insect (vector) protection.
 - Provide breathability & durability.
 - Lighter weight and quick drying time.
 - Toe and heel support for the boot.
 - Puncture protection.



Staying comfortable, cool and dry is critical to the mission's success



AIRBORNE EQUIPMENT



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Airborne Forces desire the following:

- Flotation System which will be:
 - Used for both airborne and waterborne operations.
 - Will not interfere with the parachute harness rigged with combat and equipment.
 - Must be lighter and smaller than the current system; rugged, reusable, highly reliable and capable of being operated by an inexperienced Soldier.
 - Will be used for unintentional and intentional water landings.
- Static Line Automatic Activation Device (SLAAD) that **automatically activates the reserve parachute** of a paratrooper who is unable to activate their reserve on their own:
 - Will not interfere with or affect any existing equipment with the exception of the reserve canopy and container.
 - Will allow for the ability to manually deploy reserve canopy without changing current procedures.
 - Compatible with the current Advanced Tactical Parachute System (T-11 and MC-6).



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EXTREME COLD WEATHER MOBILITY

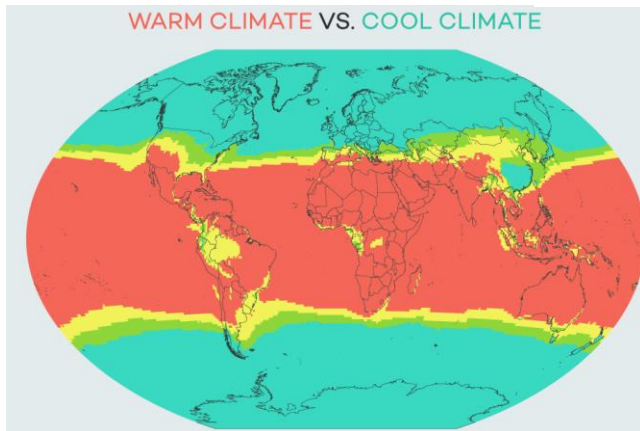


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- Provides units operating in extreme cold weather environments **survivability and mobility**,

- Overwhites
- Goggles
- Snowshoes
- Skis, Bindings

- Unit missions may start off at sea level and range up to 12,000 ft. AMSL, where Soldiers will be expected to carry out missions requiring mobility.





POINTS OF CONTACT



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Questions?