



MARINE CORPS SYSTEMS COMMAND

Combat Equipment & Support Systems (CESS)
Program Manager, Infantry Combat Equipment



Hydration/Load Carrying Equipment



Major Richard Cushing
Individual Armor and Load Bearing Team
Infantry Combat Equipment, Marine Corps Systems Command
E-mail: richard.j.cushing@usmc.mil
Office Phone: 703-432-3273



MARINE CORPS SYSTEMS COMMAND

Combat Equipment & Support Systems (CESS)
Program Manager, Infantry Combat Equipment



Individual Water Purification System (IWPS)

- **Overall Item Description**

- A system that provides potable water from fresh water and salt water sources.

- **Acquisition Strategy**

- Block IA MIOX Pen and MSR Filter
 - Block II Self-Contained System
 - Block III Incorporate Block II with Desalinization

- **Current status**

- Fielding Block IA



MARINE CORPS SYSTEMS COMMAND

Combat Equipment & Support Systems (CESS)
Program Manager, Infantry Combat Equipment



Individual Water Purification System (IWPS)



*MIOX Pen
Block IA*



*Self-Contained
System
Block II*



*Desalinization
Capability
Block III*



MARINE CORPS SYSTEMS COMMAND

**Combat Equipment & Support Systems (CESS)
Program Manager, Infantry Combat Equipment**



Future

**Block II requirements are being reworked
Anticipate another RFI to industry to be issued for a Block II solution**



MARINE CORPS SYSTEMS COMMAND

Combat Equipment & Support Systems (CESS)
Program Manager, Infantry Combat Equipment



Improved Load Bearing Equipment (ILBE)

- **Standard ILBE Pack System**

- Includes: Main Pack, Assault Pack, and improved Hydration System



- **Reconnaissance ILBE System**

- Includes: RECON Main Pack, Larger Assault Pack, Large external pouches, and improved Hydration System





MARINE CORPS SYSTEMS COMMAND

Combat Equipment & Support Systems (CESS)
Program Manager, Infantry Combat Equipment



Future

•Future state of the Family of ILBE

- Maximize load bearing/carriage technology
- Holistic Integration of all individual Marine items
- Non-Mechanical
- Ease of use
- Non-Complicated
- Reduced weight
- Increased durability
- Modular and compartmentalized
- Chest Rig to integrate with body armor

•Bottom Line: The future technology of ILBE needs to:

- Incorporate all individual Marine equipment*
- Optimize simplicity*

Lighten the Load



MARINE CORPS SYSTEMS COMMAND

Combat Equipment & Support Systems (CESS)
Program Manager, Infantry Combat Equipment



Questions?