

Program Manager Infantry Combat Equipment

*Joint Advanced Planning Brief to Industry
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Our Mission

To provide and sustain fully integrated individual and reconnaissance equipment in order to increase the lethality of our Marines.

Our Vision

To deliver the most capable equipment, at the right time, to provide the Marine an advantage over the enemy in combat effectiveness and lethality.

Our Priorities

1. Lighten the burden on the Marine: reduce the load and logistical footprint.
2. Integration of equipment across the Marine Corps, and other services.
3. Cross coordination to support fielding at the right time to the right unit.
4. Design and acquire the right products for a better form, fit, and function for the 2% female Marine to the 98% male Marine.



MARINE CORPS SYSTEMS COMMAND

Equipping our MARINES

PM ICE Organization

Program Manager (PM)
LtCol Andrew Konicki

Deputy Program Manager (DPM)
Mr. John Knapp

Assistant Program Managers (APM)
Logistics – Mr. Michael Mimms
Engineering – Mr. Scott Reichert
Finance – Mr. Elex Reynolds
Contracting – Ms. Peggy Smith

TL Clothing and Equipment
Mr. Joseph Augustine

Uniform Certification

Marine Corps Combat Utility Uniform (MCCUU)
Marine Corps Combat Boots
Female Dress Blue Coat
USMC Frame and Cap
Tropical Uniform & Boot
Enhanced Flame Resistant Combat Equipment (EFRCE)
Fire Resistant Organizational Gear (FROG)
Knee & Elbow pads
Cold Weather Hydration Set (CWHS)
Collapsible Water Bag (CWB)
E-Tool w/Carrier
Marine Assault Climbers Kit (MACK)
Marine Corps Cold Weather Infantry Kit (MCCWIK)
Marine Corps Modular Snowshoes (MCMS)
Marine Corps Utility Cutter (MCUC)
Marine Corps Wire Cutter (MCWC)
Mechanical Breachers Kit (MBK)
Multi-Faith Chaplains Kit (MFCK)
M9 Multipurpose Bayonet
Multipurpose Compact Attachable Light (MCAL)
Small Unit Expeditionary Stoves (SUES)
Ultra High Intensity Miniature Illumination System
Military Ski System (MSS)
3 Season Sleep System (3S)
Improved Sleeping Mat (ISM)
Enhanced Bed Net System (EBNS)
Extreme Cold Weather Bag (ExCWB)
All Purpose Environmental Clothing System (APECS)
Hard Face Microfleece Coyote Cap
Extreme Cold Weather Mitten System
Extreme Cold Weather Suit (Parka, Trousers and Bootie)
Lightweight Flame Resistant Cold Weather Undershirt and Drawers
Lightweight Exposure Suit (LES)
Snow Camouflage Parka, Trousers, and Pack Cover
Mid-weight Flame Resistant Cold Weather Pullover Shirt and Drawers
Combat Desert Jacket (CDJ)
Intermediate Cold Weather Glove (ICWG)
Maternity Uniform Improvements

**TL Air & Amphibious
Reconnaissance**
Mr. John O'Brien

Augmented Parachute System (APS)

Air Supply Rack Assembly (ASRA)
Combat Diver Dry Suite (CDDS)
Combat Diver Full Face Mask (CDDFM)
Underwater Voice Comm (UVC)
Combatant Diver Vest (CDV)
Combat Rubber Raiding Craft (CRRC)
Diver Propulsion Device (DPD)
Enhanced-Combat Rubber Raiding Craft (E-CRRC)
Enhanced Diver Propulsion Device (E-DPD)
Expeditionary Hyperbolic Chamber System (EHCS)
Marine Assault Breacher Kit (MABK)
Marine Individual Assault Kit (MIAK)
Maritime Operations Suite (MOS)
Non-gasoline Burning Outdoor Engine (NBOE)
Open Water Safety Craft (OWSC)
Portable Compressor Diesel Driven (PCDD)
Rapid Deployable Oxygen Transfer Pump system (RDOTPS)
Transportable Recompression Chamber System (TRCS)
MK-25 Underwater Breathing Apparatus (UBA)
Aircraft Rigging Kit
Container Delivery System (CDS)
Cybernetic Parachute Release System (CYPRES)
Drop Zone Kit
Enhanced-Multi-Mission Parachute System (E-MMPS)
Heavy Equipment Air Delivery System (HEADS)
High Altitude High Opening (HAHO) Parachutist Navigation System (PNS)
Joint Parachute Airborne Delivery System (JPADS) 10K
JPADS 2K-M/ULW
Loft Sets
Multi-Mission Parachute System (MMPS)
Parachute High Altitude Oxygen System (PHAOs)
Parachutist Individual Equipment Kit (PIEK)
Personnel Parachute Systems
Maneuverable Canopy 6 (MC-6) (AAP)
Maneuverable Canopy (MC-7)
Recon Modular Helmet Kit (RMHK)
Tandem Offset Re-supply Delivery System (TORDS)
G-11 & G-12 Cargo Parachutes

TL Individual Armor
LtCol Bryan Leahy

Enhanced Combat Helmet (ECH)

Enhanced Combat Vehicle Crewman's Helmet (ECVCH)
Enhanced Side Armor Plate Insert (ESAPI)
Full Spectrum Battle Equipment (FSBE) Individual Kit
Improved Modular Tactical Vest (IMTV)
Improved Load Bearing Equipment (ILBE) Pouches
Lightweight Helmet (LWH)
Lightweight Plate (LWP)
Modular Integrated Comm Helmet (MICH)
Plate Carrier (PC) Generation III (PC Gen III)
Protective Outer Garment (POG)
Protective Under Garment (PUG)
USMC Chest Rig
USMC Holster
USMC Pack (Adjustable frame & Reinforced frame)
USMC Sub-Belt
Improved Ballistic Eyewear (IBE)
**Ballistic Hearing Protection/Enhancement
Integrated Helmet System (HIS)**

UPDATES TO THE MARINE GROUND COMBAT ELEMENT FROM PM ICE



PC GEN III

AAO	78,191
FIELDDED	26,524
WHO	Infantry Bn
IOC	Dec 2019
FOC	TBD



MSS

AAO	3,134
FIELDDED	3,134
WHO	III MEF, MCLC, MWTC, Norway
IOC	Sep 2019
FOC	Aug 2020



Hi-Cut ECH

AAO	20,102
FIELDDED	2,320
WHO	Infantry Bn
IOC	Apr 2021
FOC	Sep 2023



MCTCU

AAO	70,000
FIELDDED	6,000
WHO	III MEF
IOC	May 2021
FOC	TBD



HED

AAO	47,054
FIELDDED	4,422
WHO	Infantry
IOC	Apr 2021
FOC	TBD



Maternity Uniform Improvements

Blouse and Tunic



Modify exiting service green tunic and maternity khaki Shirts by adding adjustable side tabs

Available 2QFY21

Trousers and Skirts



Apply existing maternity service green trousers and skirt to Blue Dress skirt and trousers

Available 2QFY22



FY22
Adopt USAF 360° belly panel design for all maternity trouser and skirt designs

Undershirts



Certify Commercial products for MCCUU undershirts for optional purchase at the MCX by Marines

Available 2QFY21

Nursing undershirt



Maternity undershirt

Next Generation Marine Corps Combat Utility Uniform

- Integrate key design features of existing MCCUU, FROG, and MCTCU into one utility uniform
 - Visual mitigation
 - Breathability
 - Mobility/Stretch (Fit)
 - Texture/Stretch (Hand)
 - Durability
 - Dry time/Moisture Management
 - No melt/no drip
 - Flame Resistance
 - Integrated knee/elbow pads
 - IR mitigation
 - Bite mitigation

Status:

- Conducting AoA on potential options
- RFI: 2QFY22



Problem: Industrial Age methodologies of clothing design, sizing, and availability coupled with shrinking Industrial Base

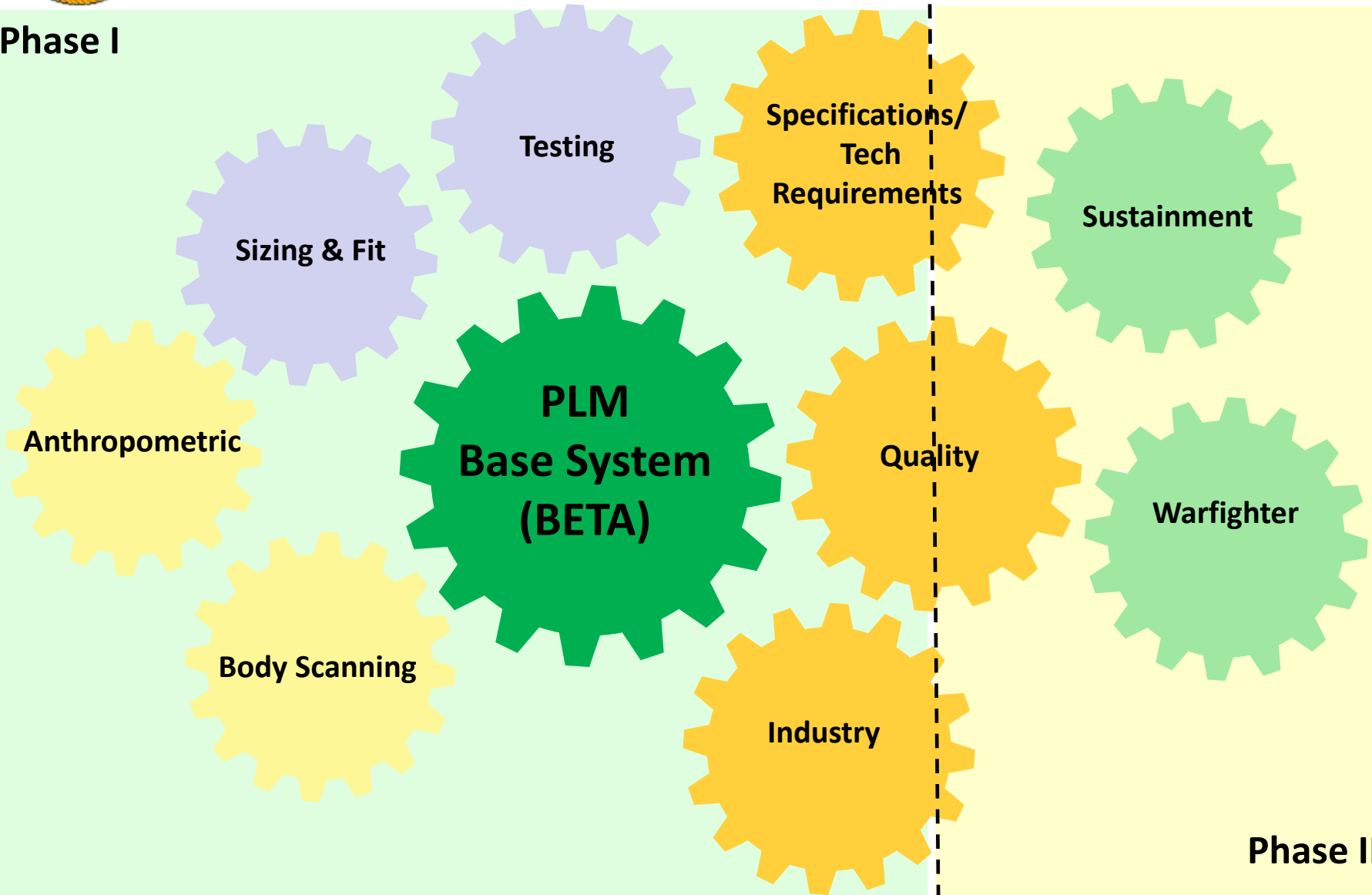
Objective: Develop and implement a comprehensive path forward to integrate efforts of the Services to capitalize on technological advancements that impact the Clothing and Textile acquisition lifecycle.

Participants: USMC, Army, Air Force, Navy, Coast Guard, Customs and Border Patrol and DLA

Ensuring warfighters receive the right uniform, with the right fit, at the right time, to ensure mission success.



Phase I



Phase II

Decreased cost & time = Reallocation of \$\$\$ = Increased capabilities & product availability



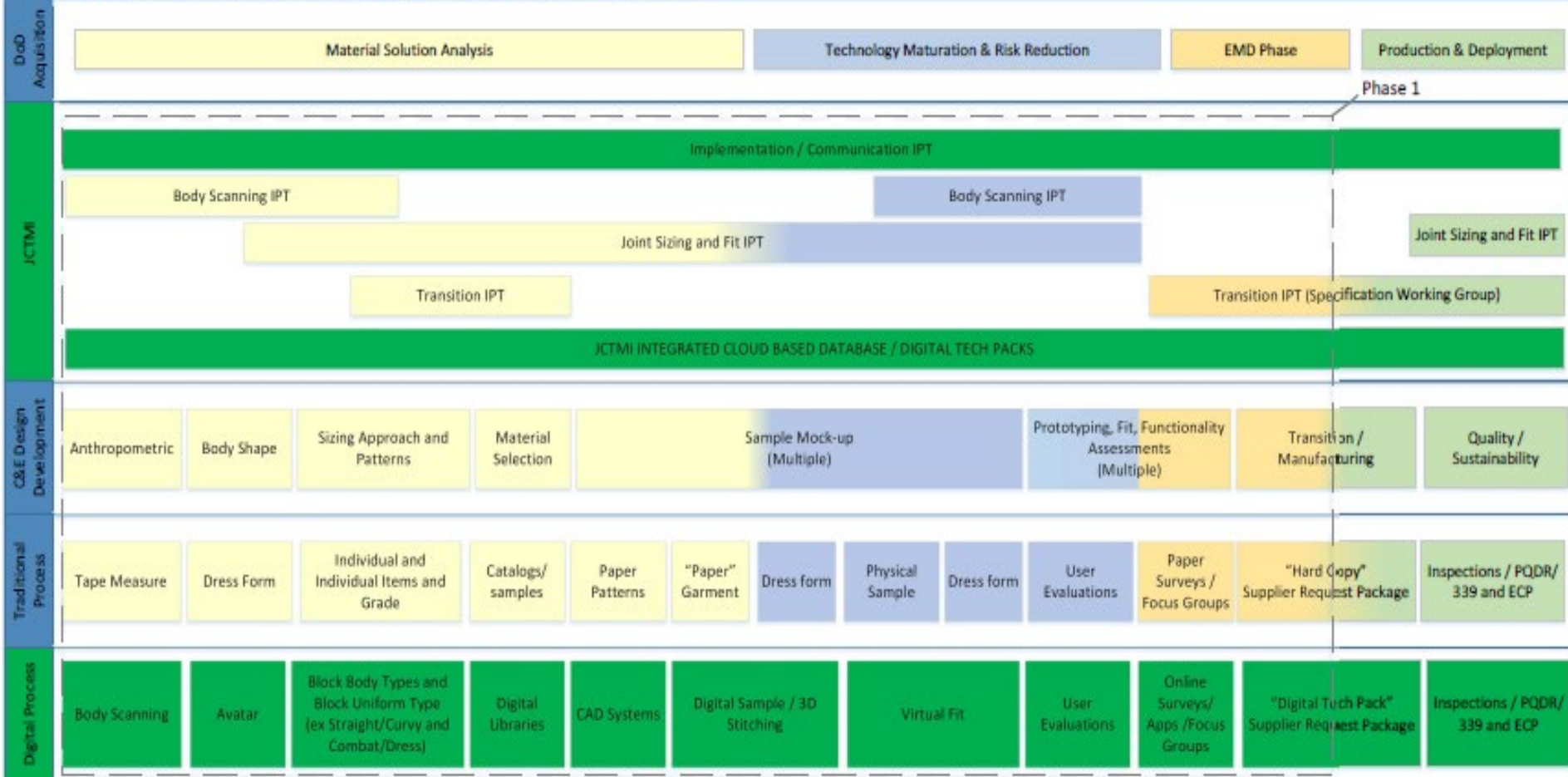
MARINE CORPS SYSTEMS COMMAND

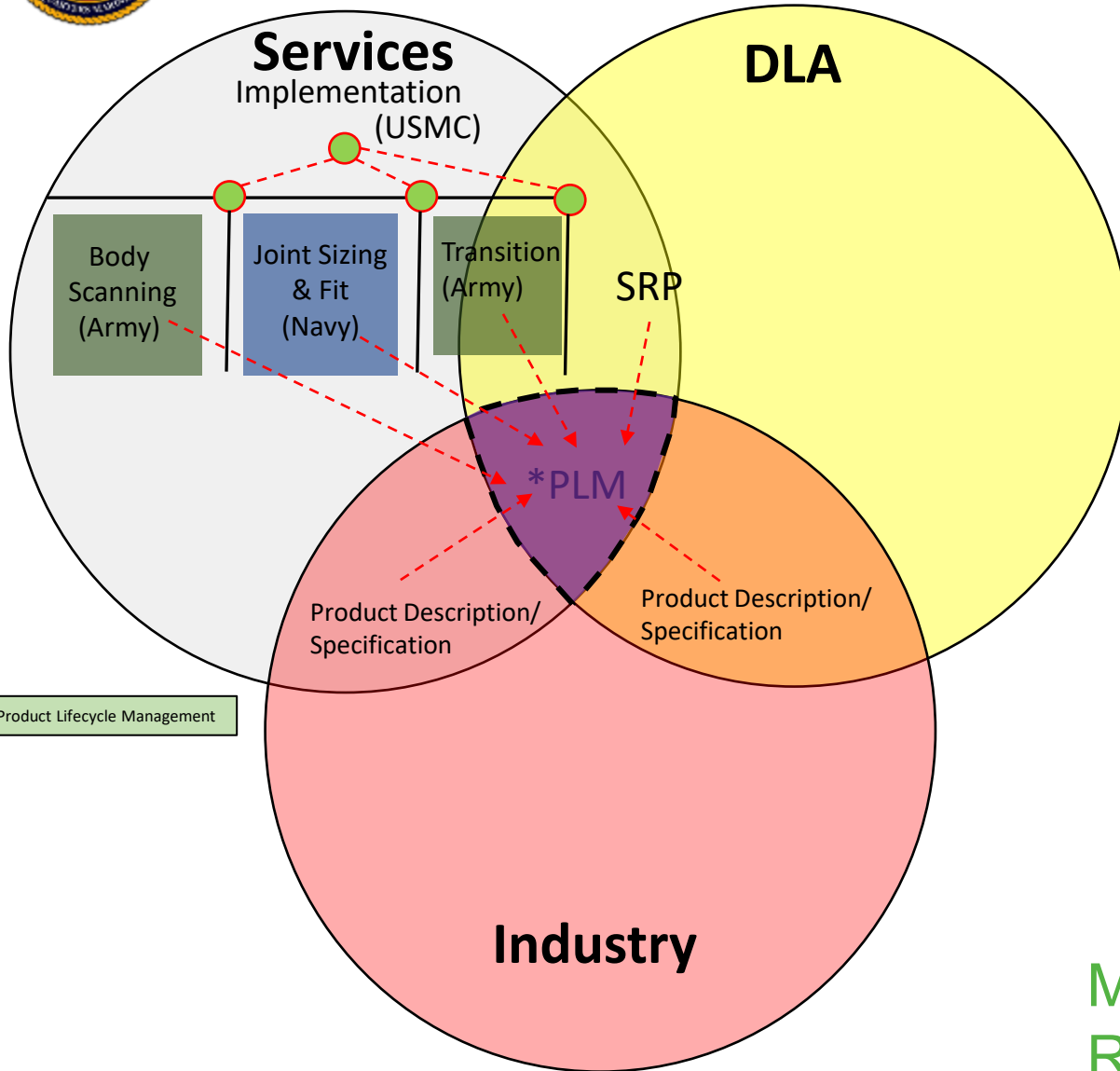
Equipping our MARINES

Road Map

Joint Clothing and Textile Modernization Initiative (JCTMI) Apparel Product Design & Development – (Transition to Digital)

Ensuring warfighters receive the right uniform, with the right fit at the right time for the mission required.





*Product Lifecycle Management

Return on Investment

- Improved supply base
 - Domestic availability
 - Surge capability
 - Higher quality
 - Improved communication
 - Supply chain management
- Reduced logistics burden/cost
 - Reduced unused inventory
 - Appropriate sizing
- Increased operational readiness
 - Faster capability introduction (agile acquisition)
 - Increased individual warfighter capability (mobility & weight)
 - Reduction in field failures and injury prevention
- Improved internal operations
 - 15% efficiency gain
 - Digital transformation and centralized data sharing
 - Body scanning & 3D utilization

Money saved =
Reallocation of \$\$\$

Front end coordination for long term commonality & sustainment