



MARINE CORPS SYSTEMS COMMAND

Equipping our MARINES



*Product Manager
for
Clothing & Equipment(PdM C&E)*

**Marine Corps Update
JAPBI 15 Nov 2023**



Process Overview

Current Efforts

- ***Certification Program***
- ***NexGen MCCUU***
- ***Maternity Uniform Upgrades***

Supply Request Packages

What We Need from You

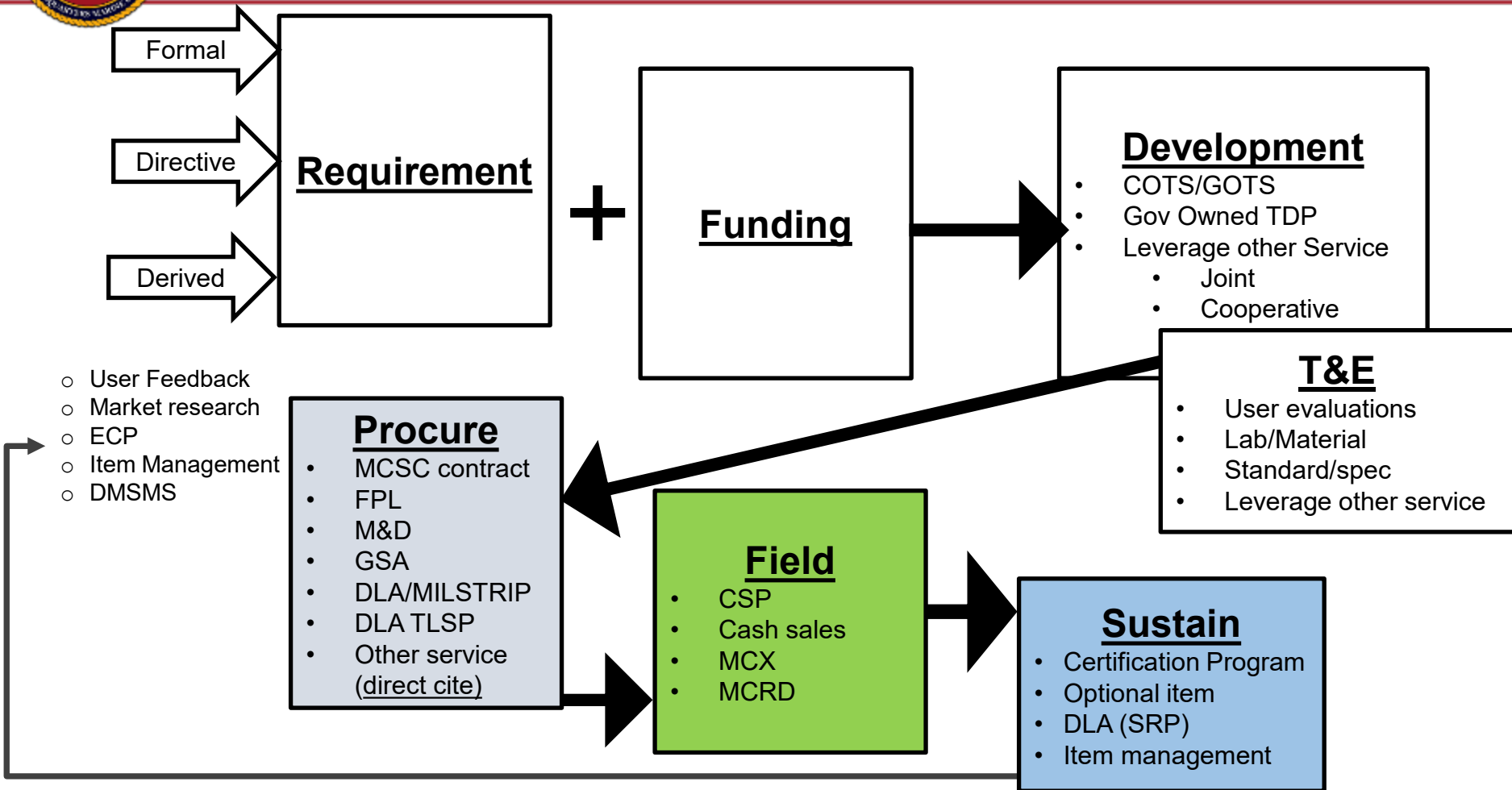
How We Can Improve



MARINE CORPS SYSTEMS COMMAND

Equipping our MARINES

The Clothing Process

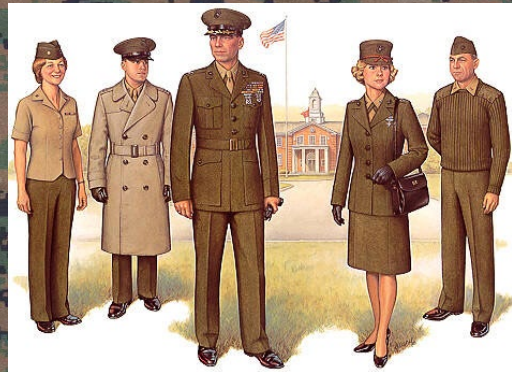


Year 1	Year 2	Year 3	Year 4	Year 5
MCSC Five-Year IDIQ Contract (procure AAO)				
	Fielding to FMF			
	SRP Process with DLA		DLA Sustainment Contract	





Current Efforts





- ### Program Description
- The Certification Program maintains the USMC patterns and specifications, certifies optional uniform and equipment manufacturers, and conducts periodic quality control inspections.
 - The mandate for optional clothing and uniform accessory quality assurance is MCO P10120.28, Individual Clothing Regulations.
 - Update and digitization of USMC uniform item depictions.
 - Continuous five-year reviews and updates of specifications in conjunction with Systems Engineering and Acquisition Logistics, other services, the DLA, and industry. Certification duration is three to five years depending on the product category.
 - An optional certified item meets or exceeds the basic specification requirement.

Program Status

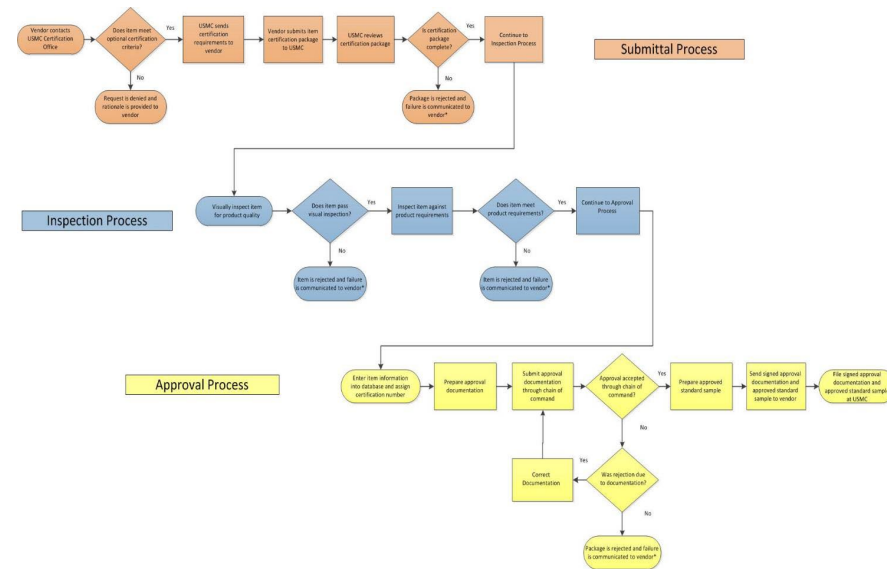
- Active effort to maintain optional uniforms for Marines
- Acquire new participants/partners
- Updating Certification Manual
- Follow-on Strategy: Improve communication with industry
- Manufacturer and Location: multiple United States manufacturers.



Over 250 items certified from 44 certified vendors



Key Milestones





Baseline Technologies: FR Finish Application & Proof-of-Concept SWIR developmental materials & tropical fabric.

Program Status

Reduce burden and decreasing logistics for the enterprise while providing improved capabilities to Marines.

- Near term: focus on NexGen MCCUU to demonstrate trade space and acceptability – FR and SWIR signature mitigation at a seabag-affordable price.
- Mid term: SRP to DLA for NexGen MCCUU and primary CCU iterations
- Far term: CCU development

Program Description

- NexGen Combat Uniforms increased capability over issued uniforms and decrease logistical burden. FR and SWIR signature mitigation
- Phased approach to upgrade EFRCE and MCCUU and address future fight to support modernization efforts of USMC.
 - Need for lightweight, durable, comfortable, breathable uniforms that function in hot/humid environments and offer some protection from FR threats.
 - Multiple services looking for similar solutions.
- NextGen Uniforms will leverage separate but concurrent R&D efforts.
- NextGen Uniforms will continue to understand and characterize threats for future fight and upgrade uniform capabilities.

Key Milestones

Event	Date
RFI to Industry	Released 10 Nov 2020, Closed 15 Jan 2021
CD&I CCU IPT Established	Oct 2021
Market Research, Tradespace, & AOA	Oct 2022
Requirement Refinement	Dec 2022
Contract for NexGen MCCUU Prototypes (RFP)	Sep 2023
Primary LUE complete & requirement refinement	Mar 2024
Additional Development & LUE procurement	FY24
SRP complete	FY24
NexGen Uniform available from DLA	FY25



Program Description

- Oct 2019 Assistant CMC tasking: Develop plan to upgrade maternity uniforms.
- Industry and DLA are engaged - Commitment to support service and dress uniform modifications.
- CMC approved plan in Jun 2020
 - Upgrade existing maternity uniforms.
 - Certify undershirts for optional wear.
 - Develop Dress Blue trousers/skirts.
 - Survey interest in Maternity Dress Blue Coat (CMC disapproved the adoption of maternity FDBC).
 - Explore development of incorporating a 360° - belly panel to the skirts, slacks and trousers.

Program Status

- ACAT & Date of Designation: N/A
- Previous MDA/PDA: CMC Directed PICA: USMC
- Accomplishments:
 - Service uniform modifications (tunic and shirt) – complete and available.
 - Nursing undershirt – certified and available.
 - Maternity undershirt/physical training undershirt – certified and available.
 - Maternity dress slacks and skirt – design complete, available FY23.
 - Media blitz conducted Mar 2021 & Mar 2022.
- Follow-on Strategy:
 - Improvements to maternity MCCUU trousers and service and dress skirt/slacks – FY23 R&D effort.
 - Maternity PTU – FY23 (Maternity Shirt & all-purpose short).
 - New Maternity PTU – Concurrent with PTU development (Pending CMC Approval).

Key Milestones

Event	Date
Tabs for blouse and tunic - Updated patterns, completed amendment letters and submitted changes to DLA	Jan 2020
Dress Blue skirt & trousers - Updated patterns, completed amendment letters and submitted to DLA	Mar 2020
CMC approval on undershirt, PT shorts, and Dress Blue skirt and trousers	Jun 2020
Tabs for blouse and tunic available (DLA/MCX)	Feb 2021
Tunics/Blouses available at MCX	Apr 2021
Certified nursing undershirt and maternity undershirt available MCX	Apr 2021
Dress Blue skirt & trousers available from DLA	Dec 2023
Product Improvement of utility trousers	FY24



Marine Corps Tropical Combat Uniform (Blouse/Trouser)

Marine Corps Tropical Combat Uniform (Boot)



Cold Weather Cap



Mesh Base Layer



ICWB



ICWG



Trigger Finger Mitten

FY24 and beyond: NexGen MCCUU, CW Contact Glove, Seabag Boot Sock



Lighten the Load
Flame Resistance
Signature Management

Reduce the burden on the individual Marine and the enterprise,
while providing improved capabilities to Marines

Steady State of Supply
Options
Value



MCSC Reorganization

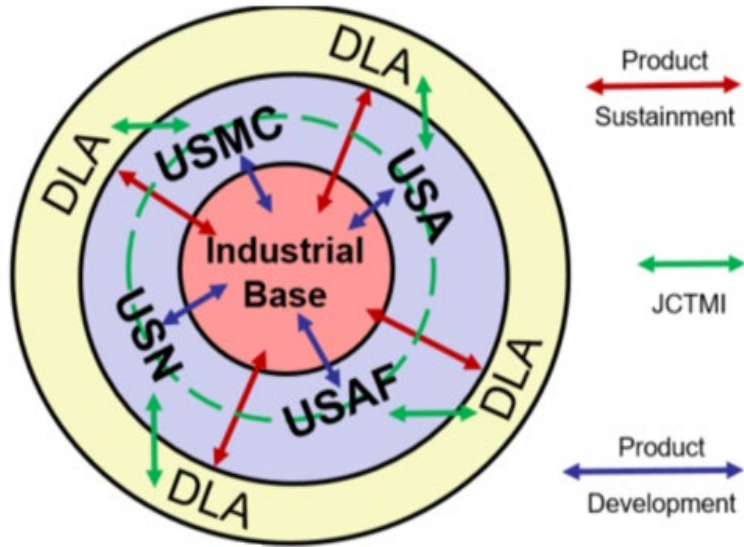
Commander, Marine Corps Systems Command:

- Portfolio Manager Ground Combat Element Systems
 - Program Manager, Infantry Weapons
 - Product Manager, Clothing & Equipment



Commander, Marine Corps Systems Command:

- Program Manager, Infantry Weapons
 - Product Manager, Combat Equipment
 - ✓ Add Armor & Load Bearing Team to PdM CE



Joint Clothing & Textile Modernization Initiative Approach:

Execution through four Integrated Process Teams

Key Events	Date
Beta PLM Contract Established	Sept 2021
Charter Signed – USMC, US Navy US Army, US Air Force	Nov 2021
Business Case Analysis Complete	Apr 2022
OSD MSTP Award	Jul 2022
Beta PLM Bridge Award	Sep 2022
General Officers Meeting	Sep 2022
COA Decision	Nov 2022
POR Establishment / Memorandum of Agreement	Feb 2023

Joint Sizing & Fit:

- Size reconciliation and improved fit (Block Patterns)
- Garment simulation and virtual prototyping
- Accurate tariff prediction

Body Scanning:

- Body Scanning (portable, affordable, available)
- 3D Visualization
- Warfighter population composition and prediction

Transition and Configuration:

- Cross services coordination / economies of scale
- Expand domestic supply base (Reduced barriers to entry)
- Streamlined for modern manufacturing

Digital Platform and Implementation:

- Improved efficiencies (25-30%)
- Centralized data sharing, decision support & analytics
- Agile acquisition / New capability introduction



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