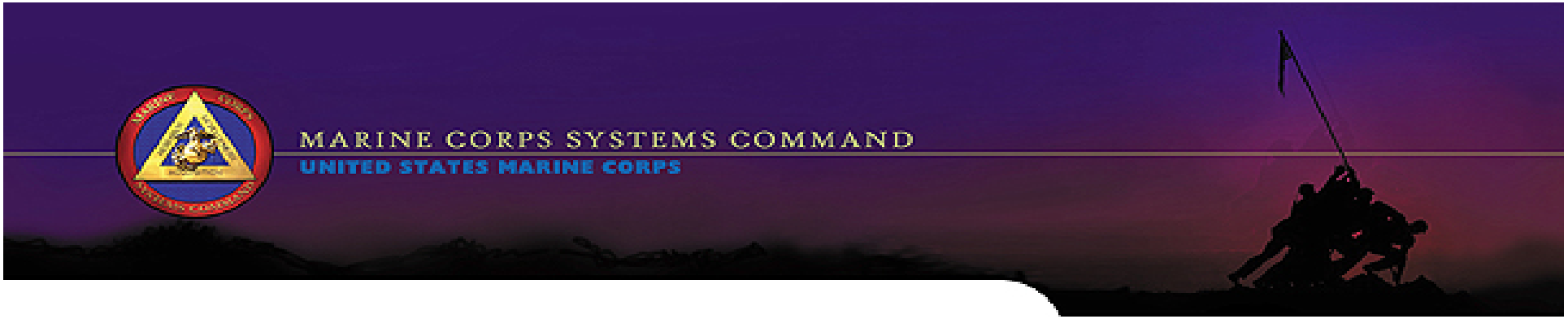
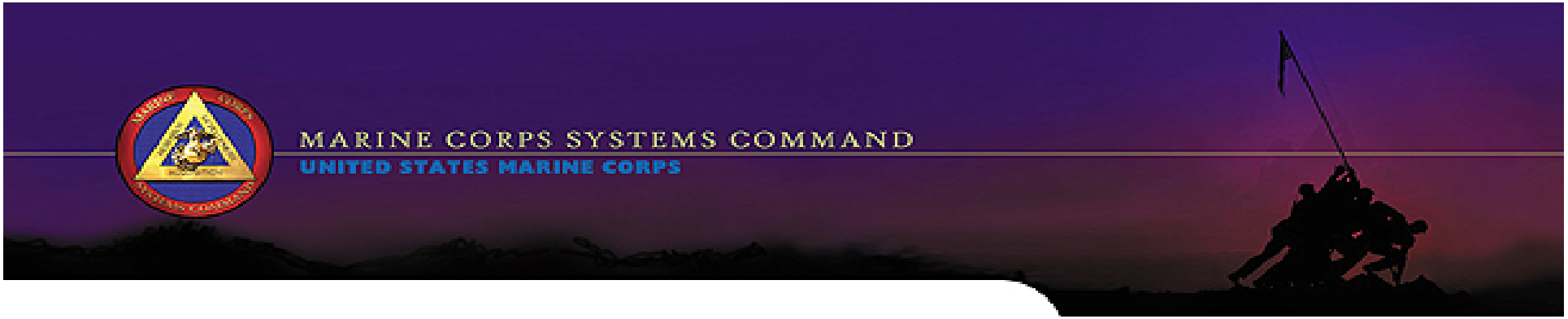


Contracting for DMSMS in a Total Life Cycle Systems Management (TLCSM) Environment

12 July 06

Life Cycle Logistics Roadmap



SYSCOM IMPLEMENTATION STRATEGY

- DMSMS is integrated and contracted for as part of our work processes
- Maintenance Planning/Engineering
- Supply Support/ Provisioning
- Performance Based Logistics
- Contracting process
- Using documented repeatable processes

Marine Corps Systems Command
Life Cycle Logistics Roadmap

MCSC Equipping Process

- Materiel Solution Determination
- Program Initiation
- Development Demonstration
- Produce / Procure
- Fielding Process
- Operational Support

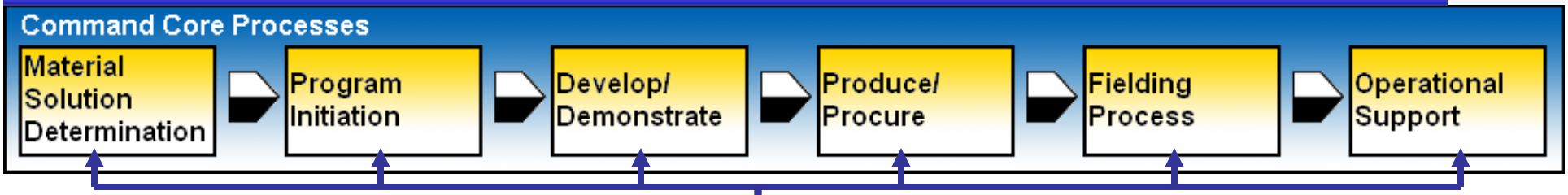
Acquisition Logistics Roadmap

- Requirements Analysis
- Support Planning
- Design for PEI Supportability
- Design / Develop Support Subsystem
- Acquire Support Subsystem
- Field Support Subsystem

Sustainment Logistics

- Operations & Support
- Disposal

Welcome to the MARCORSYSCOM EQUIPPING PROCESS



Requirements Analysis

INPUTS

- ICD / CDD / CPD
- COE
- Analysis of Alternatives
- Preliminary LCCE
- Initial Acquisition Strategy
- LOG IPT Members

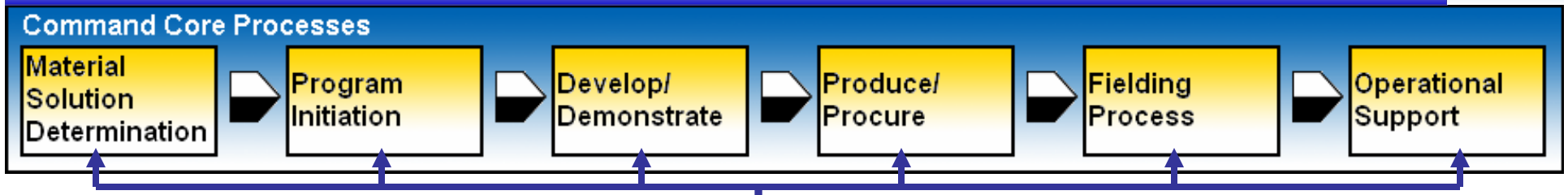
ACTIVITIES

- Analyze Requirements Documentation for Supportability Requirements, Risks, & Cost Drivers
- Build POM

OUTPUTS

- Identification of Support Alternatives
- Identification of Supportability Risks/Cost Drivers
- Logistics Reqts & Funding Summary (LRFS)
- Supportability WBS
- Initial POM Build

Welcome to the MARCORSYSCOM EQUIPPING PROCESS



Support Planning

INPUTS

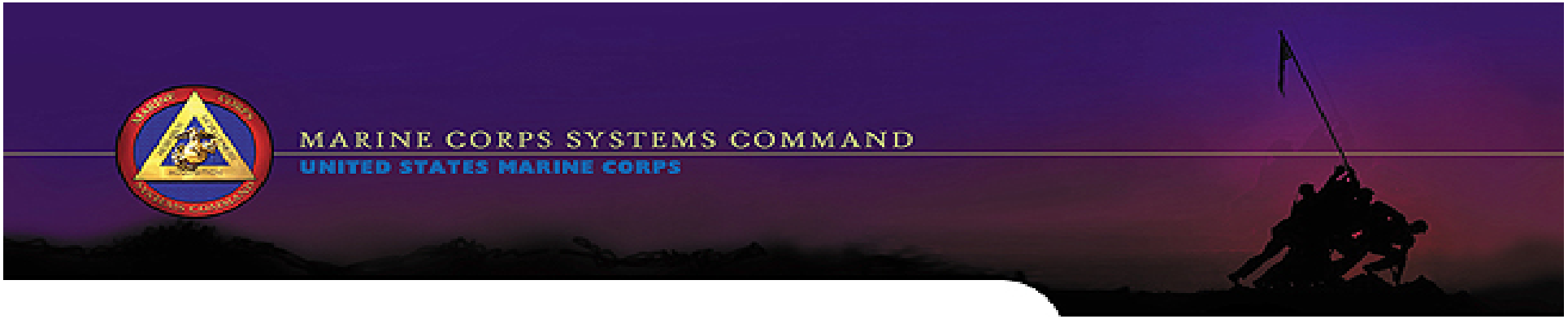
- LRFS
- ICD / CDD / CPD
- Initial Acquisition Strategy
- COE
- Identify Support Alternatives
- Identification of Supportability risks & cost drivers

ACTIVITIES

- Analyze Support Alternatives
- Plan to Mitigate Supportability Risk
- Develop Supportability Requirements
- Update LRFS & Reconcile Budget Documents
- Independent Logistics Assessment Policy Letter
- Independent Logistics Assessment Process

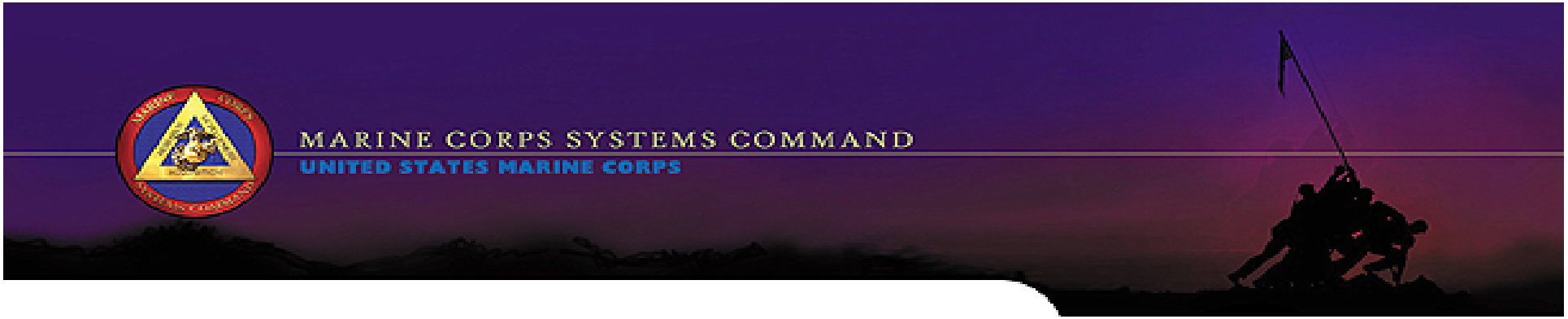
OUTPUTS

- Supportability strategy/plan
- DMSMS Management Plan
- Revised LRFS
- Logistics / Supportability portions of the:
- LCCE
- DLSOR
- Performance Spec, WBS & SOW / SOO input to RFP
- Risk Mitigation Strategy



EFV DMSMS Contract Language

- **DMSMS Management**
  - **DMSMS Management Team (DMT) Organization**
  - **DMSMS Data Management**
  - **Configuration Management Support to DMT**
  - **Product Development Support by Engineering to DMT**
  - **Procurement Support to DMT**
  - **DMSMS Reliability Engineering Support**
  - **DMSMS Industrial Base Analysis Support**
  - **Microcircuit Data Management**
  - **DMSMS Management Plan**
  - **Design Strategies for Engineering Life Cycle Support**

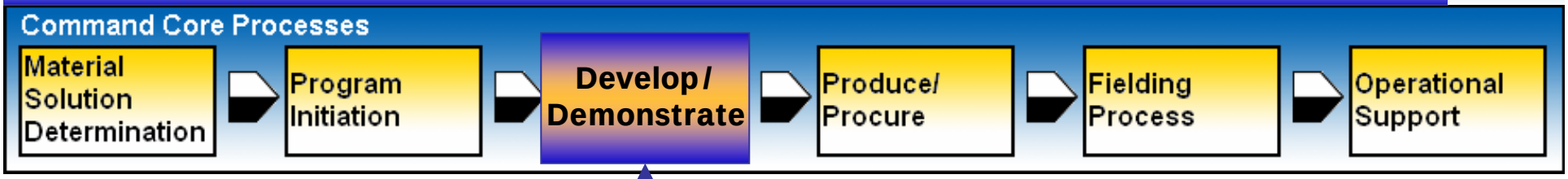


DMSMS
Data Item Descriptions (DIDs)

- **DI-SESS-81656, Source Data for Forecasting DMSMS (BOM from CM database)**

- **DI-MISC-80508A, Technical Report, Study/Services**
  (Tailor CDRL: DMSMS Plan & quarterly DMSMS risk reporting updates)

Welcome to the MARCORSYSCOM EQUIPPING PROCESS



Design for PEI Supportability

INPUTS

- Supportability strategy/plan
- TEMP
- RAM allocations
- Supportability Analyses
- LCCE
- Contract (DMSMS)
- ICD/CDD/ CPD
- COE
- DMSMS Mgmt Plan

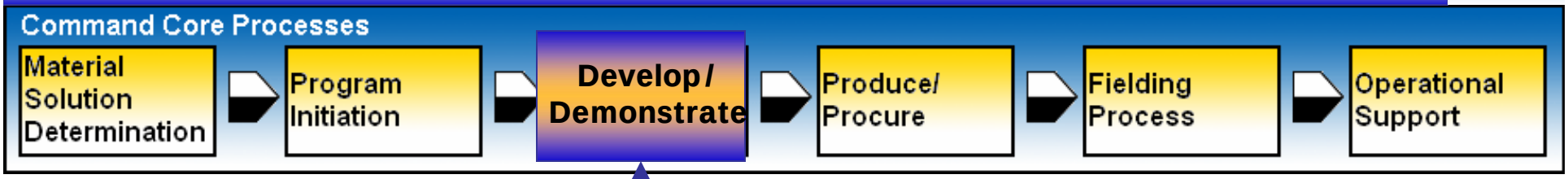
ACTIVITIES

- Conduct SDR / PDR
- Influence design for supportability (DMSMS)

OUTPUTS

- Functional Baseline
- Allocated Baseline
- Supportability Plan/Strategy
- Updated LRFS / LCCE / POM
- Supportability Demonstration Plan
- DMSMS Mgmt Plan

Welcome to the MARCORSYSCOM EQUIPPING PROCESS



Design / Develop Support Subsystem

INPUTS

- Quad Model
- RAM predictions
- DT Plans/ Reports
- TEMP
- S-Demo Plan
- Contract (DMSMS)
- ICD/ CDD/ CPD
- COE
- Functional Baseline
- Allocated Baseline
- Supportability & DMSMS Mgmt Plans/Strategy
- Updated LRFS / LCCE / POM

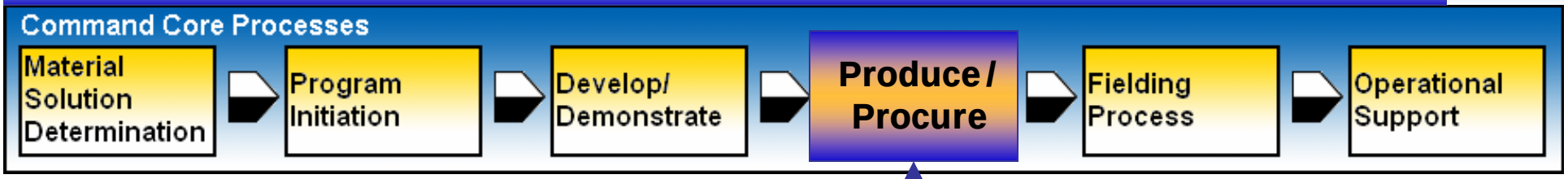
ACTIVITIES

- Using RCM, analyze FMECA, LORA and MTA data to make supportability decisions
- Apply Quad Model to Maintenance Significant Items
- CDR

OUTPUTS

- Draft Fielding Plan
- Supportability & DMSMS Mgmt Plans
- Non-Validated System Support Package
- Test Support Package
- Configuration Baseline
- Updated Supportability Demonstration Plan

Welcome to the MARCORSYSCOM EQUIPPING PROCESS



Acquire Support Subsystem

INPUTS

- Draft Fielding Plan
- Contract (DMSMS)
- Supportability & DMSMS Mgmt Plans
- CPD
- Non-Validated System Support Package
- Test Support Package
- Configuration Baseline
- Updated Supportability Demonstration Plan

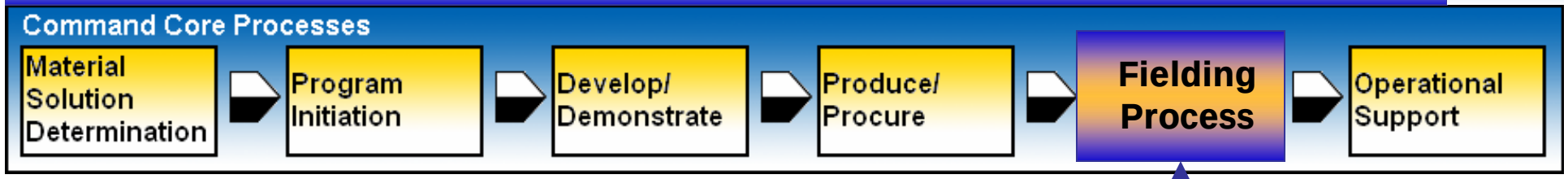
ACTIVITIES

- Conduct Supportability Demonstration
- Finalize Fielding Plan
- Prepare In-Service Management Plan
- Begin Crafting Performance Based Agreements (PBAs)
- Independent Logistics Assessment Policy Letter
- Independent Logistics Assessment Process

OUTPUTS

- Support Subsystem
- Final Fielding Plan
- Validated System
- Logistics Support Contracts & Agreements
- Support Package
- Supportability & DMSMS Mgmt Plans
- In-Service Management Plan (including DMSMS monitoring)

Welcome to the MARCORSYSCOM EQUIPPING PROCESS



Field Support Subsystem

INPUTS

Support Subsystem

Fielding Plan

Logistics Support Contracts / PBAs

In-Service Management Plan (DMSMS)

ACTIVITIES

- **Execute MCSC Fielding Process per Policy # 6-04**
- **Monitor DMSMS**

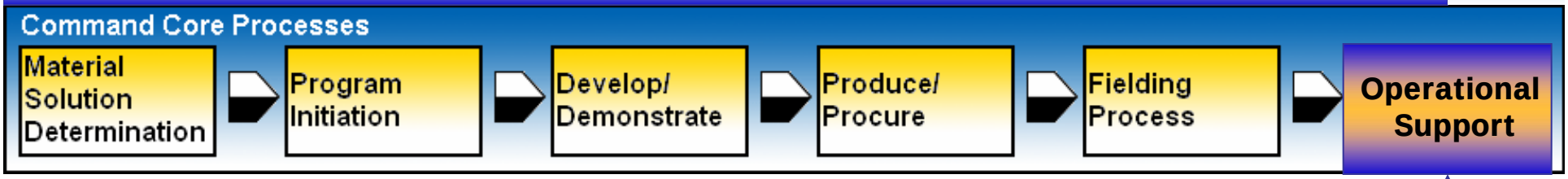
OUTPUTS

Warfighter Receives Total System

Monitor contracts/PBAs

Post Fielding Evaluation

Welcome to the MARCORSYSCOM EQUIPPING PROCESS



Operations & Support

INPUTS

- Post Fielding Evaluation
- Warfighter Receives Total System
- In-Service Mgmt Plan (DMSMS)
- Draft Phase-Out Plan

Activities

- Monitor/Assess: Predicted against actual, RAMSD, OPTEMPO, Mission Profile, possible ILS changes & impacts (DMSMS)
- Modify: change maintainability, update costs, ECPs, update ILS (DMSMS)

OUTPUTS

- Refined Phase-Out Plan
- Configuration changes/updates (DMSMS)
- Revise DMSMS Mgmt Plan
- Revise/Update In-Service Mgmt Plan (DMSMS)