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# Headquarters U.S. Air Force

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## **M-SWORD**

***Modeling & Simulation Warfighter  
Operational Requirements Database***



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Rob Carter  
AFAMS/MSO  
18 Aug 2011



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# M-SWORD

- **Modeling and Simulation Warfighter Operational Requirements Database (M-SWORD)**
  - Database to track all USAF M&S Requirements
  - Provides visibility and eliminate duplication/stove piping
  - Ensure all requirements are valid, sponsored, and documented
  - Efficiently seek funding for warfighter M&S needs



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# *AF M&S Requirements Process*

- **Requirements are gathered**
  - From warfighter/training audience/simulation centers
  - From MAJCOM, HQ USAF, DoD, or Joint staff reps
  - Working Groups, IPTs, conferences, exercises, etc.
  - From AFAMS insight into current issues or future warfighter capability gaps/seams
  - Documented AF and Joint requirements which M&S capability can meet
- **Requirement Categories**
  - Unvetted and unfunded
  - Vetted, documented (tied to an IPL, CDD, ICD, MOA, etc.), and in a POM process
  - Vetted, documented, and unfunded
  - Funded

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# *AF M&S Requirements Process (cont)*

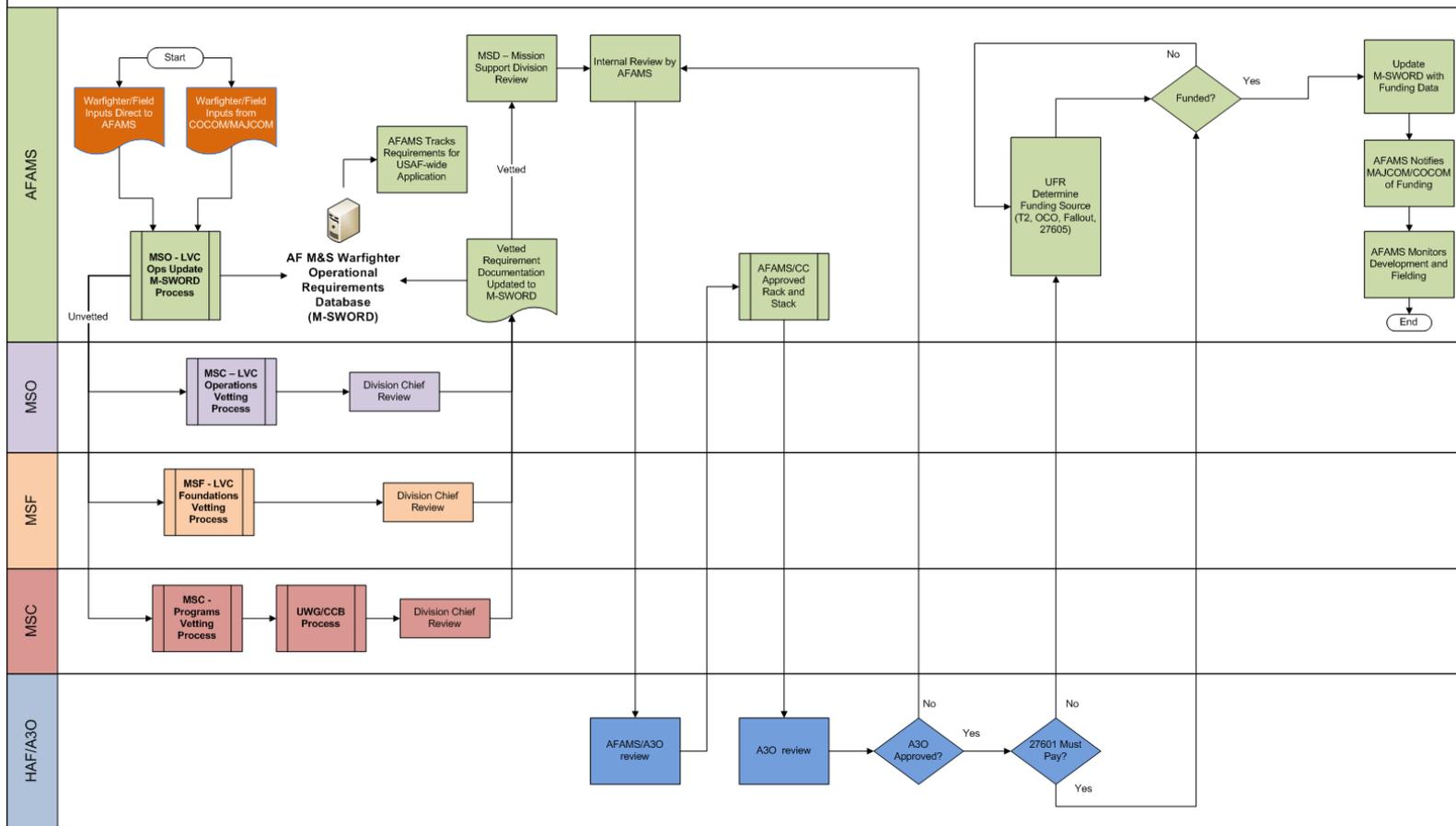
- **Scenario 1: M&S Requirements given straight to the MAJCOM**
  - **Enters the proper MAJCOM vetting and funding process**
  - **Passed to AFAMS and added to the M&S requirements master list for tracking**
  - **If vetted by the MAJCOM, but not selected for funding it becomes a MAJCOM and AFAMS Unfunded Requirement (UFR)**
  - **Tracked until funded by MAJCOM or AFAMS, or eliminated**
- **Scenario 2: M&S Requirements given straight to AFAMS**
  - **Determine if requirement is valid and not a duplicate**
  - **Determine if should be MAJCOM or AFAMS sponsored**
  - **Attempt to fund through the appropriate process and track**
  - **Place in the appropriate UFR process if unfunded**



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# AFAMS M&S Warfighter Operational Requirements Process

AF M&S Warfighter Operational Requirements Process within AFAMS/SAF A3O (Expanded)



AMB 16 Feb 2011 v1.7



# *M-SWORD Status Types*

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## ■ Status

- **Unvetted** - This is a new record, no or little work has been done with it
- **Vetted** - This record has been researched and found to be valid by the MAJCOM/COCOM
- **AFAMS UFR** - The record has been reviewed and gone through an AFAMS POM, UWG, etc, but was not important enough to fund
- **AFAMS Submitted** - Submitted by AFAMS for funding, pending outcome.
- **Partial Funded** - AFAMS found a partial funding source
- **Funded** - AFAMS found a funding source
- **External UFR** - The record has been reviewed and gone through an external POM, UWG, etc, but was not important enough to get funding
- **External POM** – Requirement competing for funding by the MAJCOM or an external source
- **External Funded** – Requirement funded by an external source
- **Fielded** - All development has been completed



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# M-SWORD Access

- **M-SWORD url:**  
**<https://www2.afams.af.mil/requirements>**
- **Everyone has “Read” access via CAC-card, but must initially register, AFAMS will determine proper access**
  - **“Guest” can read everything except Funding data**
  - **“Submitter User” same as Guest, can add CRs/DRs, Ops reqts, Foundation reqts**
  - **“AFAMS Division User” can add any record, read records, and modify CRs/DRs, Ops reqts, and Foundations reqts**



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# *Program Highlights*

- **AFAMS Action Officer(s)**
  - **Assigned to each M-SWORD submittal**
  - **Advocate information is crucial for follow-up**
- **Records**
  - **Search records by various sort features**
  - **Records are never closed or deleted, but can be Archived**
- **Specific field input edits depend on user access**
  - **Read Only (Guest)**
  - **Add Requirement record, projected funding (Submitter User)**
  - **Status, Priority, Archive, Awarded Funding (Div User)**



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# *Future Versions*

- **The addition of the AF 12 Core Functions will be added to the next version of M-SWORD**
- **Form 1067: Population form incorporating Change Request (CR) and Deficiency Reports (DR) into M-SWORD**
- **Create SIPRNET version of M-SWORD to help track classified requirements**



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# *M-SWORD Summary*

- **One stop shopping for entering Air Force Operational Requirements**
- **Everyone has “Read” access via CAC-card, but must initially register**
- **Action Officer(s) are assigned to every M-SWORD submittal**
- **Once a requirement is Vetted, the process to obtain funding is established**



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# ***M-SWORD***

# ***QUESTIONS?***



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# *AF M&S Requirements Process*

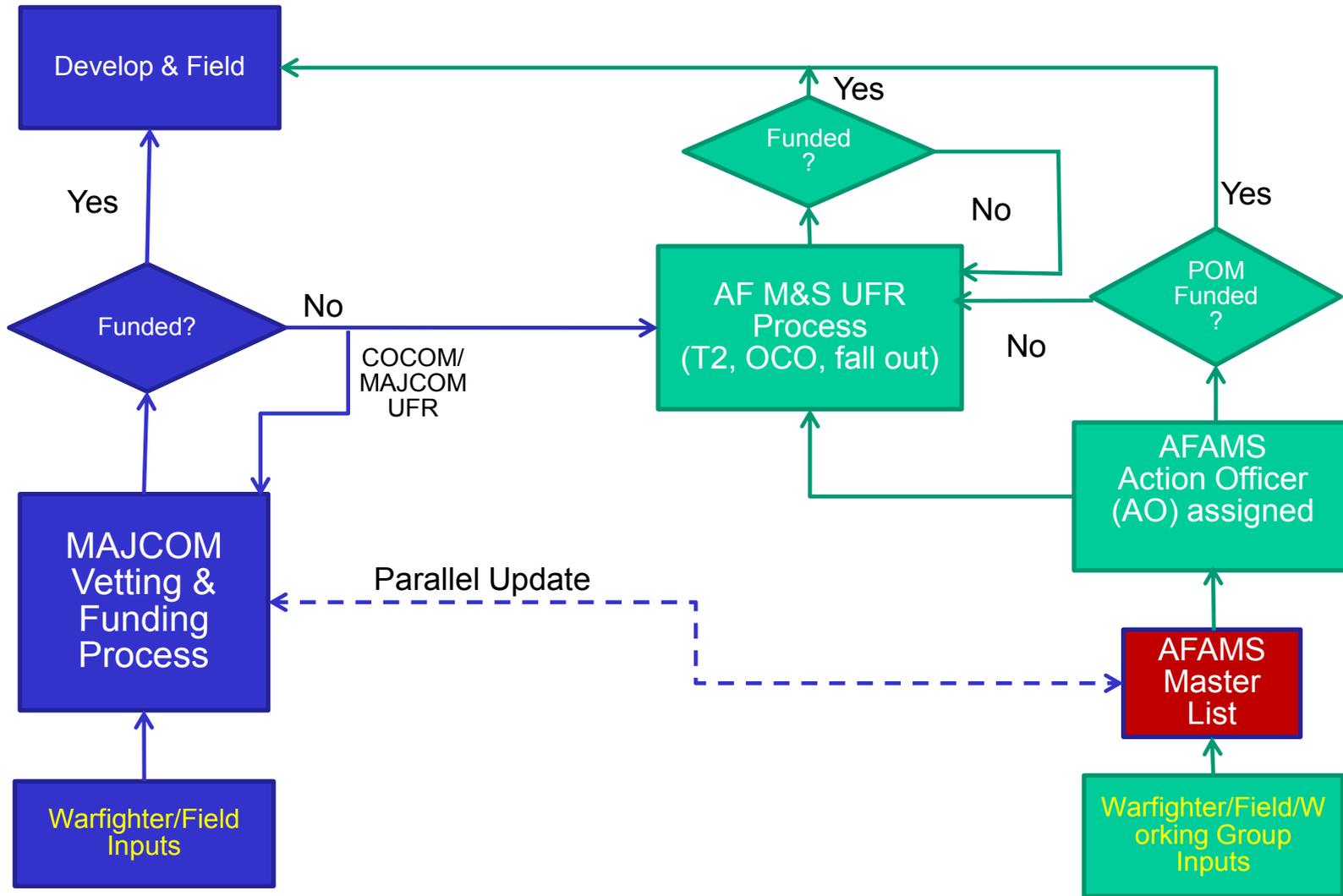
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## ***BACKGROUND SLIDES***



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# AF M&S Requirements Process (cont)





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Modeling & Simulation Warfighter Operational Requirements Database - Windows Internet Explorer

https://www2.afmms.af.mil/requirements/

File Edit View Favorites Tools Help

Modeling & Simulation Warfighter Operational R...

**AFMMS** US AIR FORCE MODELING & SIMULATION WARFIGHTER OPERATIONAL REQUIREMENTS DATABASE (M-SWORD)

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Home View Requirements Add Requirements Help

Welcome **Rob Carter** to the Air Force Modeling & Simulation Warfighter Operational Requirements Database (M-SWORD) web site.  
[Edit Profile](#)

Air Force Modeling & Simulation Warfighter Operational Requirements Database (M-SWORD) web site is a web-enabled application designed to efficiently capture and manage Modeling & Simulation Capability Requirements in support of LVC integration.

This application will:

- Facilitate capture, review, and prioritization of Warfighter Operational Requirements.
- Provide report generation of Warfighter Operational Requirements

This site also provides tools which allow designated Administrators the ability to manage users and Warfighter Operational Requirement submissions.

**RECENT CHANGES:**

- Added a new capability enabling Submitter Users to edit their own database records that were previously submitted by them.
- Added a new limited information QUAD Report.

For Assistance Contact [requirements@afmms.af.mil](mailto:requirements@afmms.af.mil)

[AFMMS Website](#)

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Air Force Agency for Modeling & Simulation (AFAMS) Warfighter Operational Requirements Database - Windows Internet Explorer

https://www2.afams.af.mil/requirements/view.aspx

File Edit View Favorites Tools Help

Air Force Agency for Modeling & Simulation (AF...

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Home View Requirements Add Requirements Help

### View Requirements

Submit Reset

Archive?:  Yes  No  Both

keyword(s):

Comments:

AFAMS ID(s):

PBR ID:

Advocate:

High Level Organization Type:

Advocate High Level Organization:

Advocate Organization:

AFAMS Action Officer:

AFAMS Sponsoring Division(s):  MSO  MSC  MSF

Priority?:  Minor  Major  Urgent  NA

M&S Enterprise?:  Yes  No  Both

AFAMS Ranked Filter

CR/DR Ranked Filter

Submitted Date Range (mm/dd/yyyy): From:  To:

Primary Sort:

Secondary Sort:

PDF Report Selection:

**Type(s)**

- OR - Operational Requirement
- CR - Change Request
- DR - Deficiency Report
- FR - Foundations Requirement
- SA - Situational Awareness

**Model(s) Affected**

- Live
- Virtual
- Constructive
- AWSIM
- ACE-CSI
- AAT
- GIAC
- LOGSIMIABS
- ACE-IOS
- AFSERS
- SGS
- Other

**Oper. Requirement Bin**

- Acquisition
- Agile Combat Support
- Cyber
- EA-LVCE
- Irregular Warfare
- Space
- Other

**Status**

- Unvetted
- Fielded
- Vetted
- AFAMS UFR
- AFAMS Submitted
- Partial Funded
- Funded
- External UFR
- External POM
- External Funded
- Unvetted-Div Reviewed
- Urgent Approved
- UWG Approved
- UWG Disapproved
- ACE-Approved
- CCB Disapproved
- Development
- OT&E
- Governance Approved

**Submitted Funding Type(s)**

- T2
- OCO
- 27601 Fallout
- 27601 POM
- 27605
- SIMCI
- M&S CO
- JTEIC
- DTIC

**Awarded Funding Type(s)**

- T2 Awarded
- OCO Awarded
- 27601 Fallout Awarded
- 27601 POM Awarded
- 27605 Awarded
- SIMCI Awarded
- M&S CO Awarded
- JTEIC Awarded
- DTIC Awarded