

# MDMS Phase 3: Scalability, Reporting and Metadata [aka MDMS 3.0]

FY 2013 Proposal

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# 1. Overview

## 1.1. Sponsor

Lauren Dolinger Few

## 1.2. Focus Group

Information Management

## 1.3. Background

The MRIP Data Management Standard (MDMS) is a web-accessible data and project management application. MDMS was developed initially in 2008 (i.e. MDMS 1.0) for the management and standardization of MRIP data. In 2010, the NMFS Data and Information Management Policy Directive was released, requiring all NMFS funded projects to publish metadata and data within 1 year of collection. The IMT recognized the time burden that preparing documentation and reports places on project leads. MDMS 2.0 replaced the legacy project proposal and plan templates used within MRIP. As of 2012, MDMS also serves the public with transparent access to MRIP projects, processes and progress.

## 1.4. Project Description

MDMS 3.0 will expand the system to focus on three specific areas: collect additional information management details and integrate with the NMFS Information Portal (InPort) metadata repository to fulfill increasing information management requirements, enhance project workflow and reporting functionality, and build a scalable framework to allow for broader use of MDMS for project and metadata management by other MRIP teams.

## 1.5. Public Description

## 1.6. Objectives

Expand MDMS to: • collect additional information management details, • enhance project workflow and reporting functionality, • and build a scalable framework

## 1.7. References

# 2. Methodology

## 2.1. Methodology

Redesign the database to allow for customization of fields and functions based on program entity. The design should make the application more scalable for use by other MRIP teams. Update the interface for more intuitive use. Create a form for project reporting, similar to project proposals/plans.

## 2.2. Region

Alaska, Caribbean, Gulf of Mexico, Mid-Atlantic, North Atlantic, Pacific, South Atlantic, Western Pacific Islands

## 2.3. Geographic Coverage

## 2.4. Temporal Coverage

## 2.5. Frequency

## 2.6. Unit of Analysis

## 2.7. Collection Mode

# 3. Communication

## 3.1. Internal Communication

NA

## 3.2. External Communication

NA

## 4. Assumptions/Constraints

### 4.1. New Data Collection

N

### 4.2. Is funding needed for this project?

Y

### 4.3. Funding Vehicle

S&amp;T, pre-funded, no new funds necessary

### 4.4. Data Resources

### 4.5. Other Resources

All NMFS or NMFS contractor staff.

### 4.6. Regulations

### 4.7. Other

## 5. Final Deliverables

### 5.1. Additional Reports

### 5.2. New Data Set(s)

### 5.3. New System(s)

MDMS 3.0, Oracle backend, Java front end for restricted user log-in (via CAM),Java public interface

## 6. Project Leadership

### 6.1. Project Leader and Members

First Name	Last Name	Title	Role	Organization	Email	Phone 1	Phone 2
Lauren	Dolinger Few	IT Specialist	Team Leader	NMFS	Lauren.dolinger.few@noaa.gov	301-427-8127	
Alvin	Fagan	Java developer	Team Member	NMFS contractor			
Mukta	Gupta	Oracle Designer	Team Member	NMFS contractor			
Hussain	Jabalpurwala	Project Manager	Team Member	NMFS contractor			
Salman	Mansoor	Oracle developer	Team Member	NMFS contractor			
Scott	Sauri	IT Specialist	Team Member	NMFS			

## 7. Project Estimates

### 7.1. Project Schedule

Task #	Schedule Description	Prerequisite	Schedule Start Date	Schedule Finish Date	Milestone
4	Launch to Test, testing	2, 3	05/01/2013	06/30/2013	
5	Launch to Prod	4	07/01/2013	07/31/2013	
1	kickoff mtg		09/13/2012	09/13/2012	
3	metadata module translation	1	01/01/2013	04/30/2013	
2	reporting module	1	11/01/2012	02/28/2013	

## 7.2. Cost Estimates

Cost Name	Cost Description	Cost Amount	Date Needed
Contractor support	developers	\$200000.00	
TOTAL COST		\$200000.00	

## 8. Risk

### 8.1. Project Risk

Risk Description	Risk Impact	Risk Probability	Risk Mitigation Approach
NA	NA	Low	NA

## 9. Supporting Documents