

## ***M101 – Mission Execution (ME)***

### **☐ Mission Execution Use Cases**

- The notion of a generic "device" is intentional and can apply to platform or instruments or possible other entities.
- View available missions on a device – examine what existing mission files have been activated and are available in the system to run on a given device.
- Edit and submit a new device mission at runtime –
  - From a template or existing mission file,
  - user creates a new mission plan file and submits it for consideration.
  - A marine operator with role Facility Manager or higher is notified to verify the pending mission and its lifecycle state is updated to DEPLOYED make it visible in the system for execution.
- Execute mission.

# M101 – Mission Execution (ME)

• Tab is only viewable if facility manager or higher person is logged in  
• Facility manager or higher will only be able to view corresponding ME

Add New  
Mission Executable

Manage  
Mission Executables

Approve  
Mission Executables

### Add New Mission Executable File

Mission Executable File Name: \_\_\_\_\_

Short Description: \_\_\_\_\_

Long Description: \_\_\_\_\_

Author: \_\_\_\_\_  
Default is logged user

Upload Mission Execution File: 

Select and upload ME file

Mission Executable File Keywords: \_\_\_\_\_

Cancel

SAVE

Acronyms:  
ME – Mission Execution

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Add New | Manage | Approve  
Mission Executable | Mission Executables | Mission Executables

## Manage Mission Execution

Status	Name	Description	Mission Complete Key and Mission ID	Date Activated/ Approved	Last Executed	Delete	Mission Execution Log File	Command
+ Executing	ME Name 1	Short description		date	date	<input type="checkbox"/>		<button>Abort</button>
- Failed	ME Name 2	Short description		date	date	<input type="checkbox"/>		<button>Execute</button> <button>End Mission</button>
Executed	date						ME-2-Mission ID-log	
Completed	date						ME-2-Mission ID-log	
Executed	date						ME-2-Mission ID-log	
Created	date							
Completed	ME Name 3	Short description				<input type="checkbox"/>		<button>Execute</button> <button>End Mission</button>
Pending Approval	ME Name 4	Short description				<input type="checkbox"/>		

• User click at “+” sign to expand and view ME history and “-” to minimize and hide details

- When user clicks ME Name, the user can view the content of the file
- User can download the file
- User can edit/modify downloaded ME file
- User can upload edited/modified ME file under “Add New ME” file. The newly uploaded file will be reviewed by someone with “Facility Manager role” for approval

# M101 – Mission Execution (ME)

• Tab is only viewable if facility manager or higher person is logged in

• Facility manager or higher will only be able to view / approve / reject ME corresponding to their facility

Add New

Mission Executable

Manage

Mission Executables

Approve

Mission Executables

Approve/Reject Mission Execution

Status	Name	Date Activated/ Approved	Approve	Reject
Executing	ME Name 1	date		
Failed	ME Name 2	date		
Pending Approval	ME Name 3		<input type="checkbox"/>	<input type="checkbox"/>
Pending Approval	ME Name 4		<input type="checkbox"/>	<input type="checkbox"/>

Cancel

Save

• When user clicks ME Name, the user can view the content of the file

• If approved, a pending ME file will become “DEPLOYED” and will be visible in the system

• If Rejected, person rejected will need to add a reason of why it was rejected, and the system send a notification to submitter

# Rose-Marie's answers to Michael Harrington's Comments/Questions Answers

**Question 1:** Where would this screen fit into the overall UI? Is there one per platform? How would you navigate to it?

**Answer:** Users can use the new “Left Hand Navigation” to navigate. The new left hand navigation combines search and navigation capabilities all in one place, so users will be able to use the search capabilities (keyword, spatial, temporal, boolean and regular search term selection) to search for what they are looking for, or users can use the left hand navigation to navigate to a facepage and navigate to the desired platform/instrument/device. A user with the appropriate level of authorization will be able to view and click/select “Mission Executable” which will bring the user to the command device page). In addition, administrative functions are displayed at the top of the page. Users that have the appropriate levels of authorization will see the link “Mission Executables” and is able to navigate to these mission executable pages.

**Question 2:** What does the term "Date Activated" refer too? (is activated different than approve or execute?)

**Answer:** Yes “Date Activated” is “Date Approved” I have updated to read “Date Activated/ Approved”, if date approved is good enough I can simplify the name to “Date Approved”

**Question 3:** A Log button would be good to see a log of the mission executive output. For a current running one or one that ran in the past.

**Answer/Questions:** Currently the way I have it in the wireframes is a “+” sign that the user click to expand and is able to see the log of the event executed, and then clicking at the “-” to minimized. Is that what you are looking for? I’m not quite sure what you mean by mission executive output, is that something other than a log?

# Rose-Marie's answers to Michael Harrington's Comments/Questions Answers

**Question 4:** What happens when you check the delete check box? (or is that a button?)

**Answer/Question:** Marine Operators who created a mission executable file and the corresponding Facility Manager, will have the "Delete" function available. When a user selects to delete a mission executable, the system will list the current state of the mission executable file (in execution, completed, pending approval, etc). If the file is being executed is can not be deleted. The user will be prompted to enter a reason for deleting the ME file. Would the Marine Operators or Facility Managers want to view a list of the ME that have been deleted? Or once deleted they are no longer viewable.

**Question 5:** Can any user upload a file? Hit the Execute/ Abort/ Delete Actions?

**Answer/Question:** Only Authorized Marine Operators and Facility Manager's will have access to these functions. Authorized users will be able to upload a ME file, Execute, and End Mission functions. In addition these authorized users would be able to download a ME file, edit it, and upload it again for approval.

**Question 6:** How is the mission file keywords used?

**Answer/Question:** Listing keywords associated with a particular ME file, facilitates finding that file or any ME file using keyword search.

**Question 7:** Is/Can the Mission Executable File Name: different than the one to be uploaded?

**Answer/Question:** I need to find out. Is this a requirement? Or a nice to have

**Question 8:** How do the approve/reject check boxes work? (Again is that a button not a check box?)

**Answer/Question:** It is a check box, once checked and saved, the status of ME is set to "Deployed" and it becomes visible to other authorized users for execution.