Range Complex Master Planning Tool: Improving Efficiencies in Range Planning and Sustainability

Shon Doseck
Pangaea Information Technologies, Ltd.
Improving Efficiencies in Range Planning and Sustainability

- Provide planners and decision makers with accurate quantitative and qualitative range usage and needs data
- Provide a tool and support allowing installation personnel rather than contractors to create the RCMP
- Leverage systems and databases of record for required data to save time and improve accuracy and consistency
- Facilitate the synchronization of data and system life cycles and usage with programmatic business processes
RCMPT Requirements and Objectives

RCMPT Requirements in AR 350-19

The RCMP depicts an installation’s current range and training land assets, general siting of future range complex project requirements, and an installation’s requirements and constraints that may impact ranges and training lands.

RCMPT Development Objective

To provide CONUS and OCONUS RCMPT customers with an enhanced web based application that allows installations to build an RCMP, facilitate ACOM validation and prioritization of an installation’s RDP, and facilitate the RRPB process.
Development Challenges and Approach

Development Challenges

• Maintain existing functionality and data
• Coordinate source code control between sustainment and development teams/contractors
  • Team Foundation Server
  • Database version control
• Interface with ARRM to obtain data from established source database

Development Approach

• Strict adherence to documentation and version control standards
• Establishing and adhering to coordinated configuration management plan
• Organize deliverable tasks into logical groupings of use cases
Supporting the SRP Business Process

SRP Planning, Programming, Budgeting, and Execution System (SRP PPBES)

SRP PM Events

Application Updates

Command Events

SRP PMR

SRP RRPB

DA Approval / POM Build

RCMP Build

RCMP &/or TBUD Scenario Build in ARRM

ARRM Lock

IRPPB

RCMP Validate

LFTIS

Doctrinal Analysis (ARRM)

Mission/Operational & Sustainability Analysis

Range Complex Master Plan (RCMP)

LFTIS (FORSCOM, TRADOC, USAPAC)

IMCOM Review

Range Development Plan (RDP)

Installation Real Property Planning Board (IRPPB)

LFTIS (NGB, USAREUR, Eighth Army)

Installation Real Property Master Plan (RPMP)

AMRP Tracker Updated
RCMPT Features and Functions

- View/Edit Text
- Import Map(s)/Picture(s)
- RCMP Setup
- Import Data Sources
- Manage Access for Users
- RCMP Home Page/Dashboard
- Preferences
- Commenting/Version History
- Help/Tips
- LFTIS 1~N List
- Digital Signature/Staffing Form
- Consolidated Encroachment Report
- Current Range Report
- Range Requirement Report
- Programmed Range Report
- Unprogrammed Range Report
- Other Ranges Report
- Range 1~N Report
- Analysis of Alternatives Study
- Training Land Requirement Report
- Land Expansion Fiscal Requirements Report
- Army Major Land Acquisition Proposal Format/Import
- Army Compatible Use Buffer Proposal Format/Import
- Infrastructure Project Report
- Integrated 1~N List Report/NGB Validation
- NGB Scoring Criteria
- Signature Page
RCMP-T Home

The Range Complex Master Plan establishes the range and maneuver training land requirements needed to support the unit and institutional training requirements. It identifies encroachment issues that impact on the use of the range complex. The plan is designed to be a road map for the future development of the range complex to ensure that your installation(s) can meet its current and future training missions. You should ensure that other staff planning documents support and are consistent with their RCMPs. This plan will be updated as needed. It will be formally updated once annually during the preparation for the submission of the installation annual MCA construction requirements.

Administration Options

Manage User Access

FORT BENNING

Your Role: Application Administrator

<table>
<thead>
<tr>
<th>Section</th>
<th>Editor</th>
<th>Comments</th>
<th>Actions</th>
<th>Status</th>
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Status: Draft
**Import Source Data**

**ARRM Source Data Import**

To import data directly from ARRM (using the established webservice integration) click the button below.

This process will import data for the current RCMP *(Range Complex Master Plan for FY 2008)* and Fiscal Year 2010.

- [Start Import](#)
- [Abort Import](#)

Retrieving current list of FCCs from ARRM server...
**Project Title: No Action Alternative for TANK/FIGHTING VEHICLE ST** (change)

Some answers you provide may require you to provide additional information or answer related questions. These will appear on the page when necessary.

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<td>Does this alternative meet the mission requirements of units that train on the installation?</td>
<td>![Yes] ![Yes, but with constraints] ![No]</td>
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<td>Can the Army standard design in TC 25-8 for this range be accommodated under this alternative within allowable waivers or modifications?</td>
<td>![Yes] ![Yes, but with constraints] ![No] ![Not Applicable]</td>
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<tr>
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<td>Reason:</td>
<td></td>
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<tr>
<td>Incomplete</td>
<td>3</td>
<td>Can the SDZ for this range be accommodated without infringing on adjacent training facilities, ranges, or areas outside the installation boundary?</td>
<td>![Yes] ![Yes, but with constraints] ![No] ![Not Applicable]</td>
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## Section 8.2: Installation 1~N List

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<th>VSCW</th>
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<tr>
<td><strong>FCC Description</strong></td>
<td><strong>Range Name or Number</strong></td>
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<tr>
<td>HAND GRENADE FAMILIARIZATION RANGE</td>
<td>RG 8</td>
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<tr>
<td>AUTOMATED TRAINING RANGE (MTR)</td>
<td>RG 29/MULTI PURPOSE TRAINING RANGE (ARTF) RANGE</td>
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<td>AUTOMATED RECORD FIRE (ARF) RANGE</td>
<td>RG 101</td>
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<td>COMBAT ENGINEER VEHICLE (CEV) RANGE</td>
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<td>LIGHT ARMOR WEAPONS (LAW) AT-4 RANGE LIVE</td>
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<td>COMBINED ARMS COLLECTIVE TRAINING FACILITY (CACTF)</td>
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<td>LIVE FIRE EXERCISE BREACH FACILITY</td>
<td>BREECH</td>
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<td>LIVE FIRE EXERCISE SHOOUTH</td>
<td>RG 36H</td>
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**Export to Excel**
RCMP-T Home

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Administration Options

Manage User Access

You can either approve this RCMP (which will send it to the next step in its approval process), or you can reject it (which will send it back to Draft). (Please note: Once you click either “Approve This RCMP” or “Reject This RCMP”, there is no “Undo”. If you are not certain about approving or rejecting this document, click “Cancel” to return to the RCMP List.)

You can also (optionally) enter comments in the comment box prior to clicking “Approve This RCMP” or “Reject This RCMP”. If you want to post a comment to this RCMP, but not change its status, you can click “Submit Comment ONLY”.

FORT STEWART

Your Role: Application Administrator  ||  Hide Details

100% complete

Status: Under Review (MACOM)

FORT STEWART

Display: All Sections  ||  Approve

Section (expand all / collapse all)  Editor  Comments  Actions  Status  Approve

Entire Document

1 Executive Summary  1  Options  Complete

RCMPT Accomplishments and Opportunities

Accomplishments

- Implemented a service-based interface between ARRM and RCMPT databases
- Simplified editing interfaces and navigability
- Facilitated efficient decision making aligned with key business processes

Opportunities

- Interface with other source databases of record to improve quality and timeliness of data
- Improve system performance and capacity through combination of hardware and software upgrades
- Maintain synchronization with an evolving business process
Improving Efficiencies in Range Planning and Sustainability

- Provide planners and decision makers with accurate quantitative and qualitative range usage and needs data.
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- Leverage systems and databases of record for required data to save time and improve accuracy and consistency.
- Facilitate the synchronization of data and system life cycles and usage with programmatic business processes.
Acknowledgements

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