COURSE SYLLABUS

SL 4F

USAREUR-AF

COURSE SYLLABUS — SL 4F: MISSION COMMAND WARFIGHTING FUNCTION

Maven Smart System (MSS) — USAREUR-AF

HEADQUARTERS
UNITED STATES ARMY EUROPE AND AFRICA
(USAREUR-AF)
Wiesbaden, Germany

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MAVEN SMART SYSTEM (MSS) — USAREUR-AF

Field	Detail
Level	SL 4F — Mission Command WFF Track
Duration	3 days (24 hours)
Prerequisites	SL 1, SL 2, SL 3 (Go evaluations on file); CONCEPTS_GUIDE_TM40F_MISSION_COMMAND (required reading before Day 1)
Audience	G3/S3 staff, battle captains, FSOs, XOs, CDRs, and all personnel who configure, maintain, or brief from MSS Commander Products in a Mission Command role
Format	Instructor-led seminar + demonstration + tabletop exercise + practical evaluation
Location	MSS Training Environment (standard user access sufficient)

BLUF: SL 4F teaches Mission Command staff to integrate MSS into the operations process — maintaining the COP, configuring CCIR alerts, building battle rhythm products, and supporting commander decisions with current integrated operational data. Course applies MSS capabilities per ADP 6-0 (Jul 2019) and FM 6-0 (May 2022). No coding or pipeline experience required.

LEARNING OBJECTIVES

#	Objective
1	Configure and maintain a COP layer in MSS appropriate to echelon and function, including data freshness verification and source attribution
2	Build and configure CCIR alerts with correct thresholds, data sources, and notification routing for a given commander's guidance

#	Objective
3	Construct and maintain a battle rhythm dashboard supporting daily/weekly meeting cycle products (BUA, SYNC, ADVON, planning cycle gate reviews)
4	Build a formatted commander assessment product integrating readiness, operational, and intelligence data with explicit data-as-of timestamps
5	Configure CP displacement data continuity procedures in MSS: handoff, snapshot, and restoration
6	Identify and respond to data staleness, source pipeline failures, and CCIR false-positive triggers before they reach the commander
7	Apply MSS OPSEC procedures: export handling, classification label placement, and distribution controls for all commander products
8	Distinguish reported status (what MSS shows) from assessed status (what the commander judges) and communicate that distinction explicitly

PRE-COURSE CHECKLIST

Complete **5+ duty days before Day 1:**

- ☐ Read CONCEPTS_GUIDE_TM40F_MISSION_COMMAND in full — this is not optional; Day 1 builds directly on it
- ☐ Confirm MSS training account is active
- ☐ Bring one current (or recent) Battle Rhythm from your unit — a real or notional weekly event list used during the Day 3 tabletop

DAILY SCHEDULE

Day 1 — COP Configuration and CCIR Management

Time	Block	Method	Content
0800–0900	1	Brief	Doctrinal context: ADP 6-0 (Jul 2019), FM 6-0 (May 2022); how MSS supports the operations process; role of the COP in command and control
0900–1100	2	Demo/Lab	COP configuration: adding layers, setting data sources, configuring display standards by echelon; data freshness indicators

Time	Block	Method	Content
1100–1115	—	Break	
1115–1200	3	Lab	Verifying data currency: reading timestamps, tracing data source pipelines, identifying stale feeds and escalation path
1200–1300	—	Lunch	
1300–1500	4	Lab	CCIR configuration: translating commander's published CCIR into MSS alert thresholds; routing notifications to correct staff; setting review cadence
1500–1515	—	Break	
1515–1700	5	Exercise	CCIR scenario: given commander priorities and a sample dataset, configure 3 CCIRs and verify they trigger correctly

Evening reading: TM-40F, Chapter 6 (CCIR and Decision Support Management) — false-trigger mitigation procedures.

Day 2 — Battle Rhythm Products and Commander Assessments

Time	Block	Method	Content
0800–0830	—	Review	Day 1 questions; CCIR configuration review — common threshold errors
0830–1030	6	Demo/Lab	Battle rhythm dashboard build: weekly cycle tracker, linking meeting products to data feeds, versioning briefing products
1030–1045	—	Break	
1045–1200	7	Lab	BUA product build: readiness summary, CCIR status, operational outlook — formatting for O-5/CG audience; data-as-of timestamp placement
1200–1300	—	Lunch	
1300–1500	8	Demo/Lab	Assessment and reporting: building SITREPs, assessment dashboards, and battle tracking products; distinguishing reported vs. assessed status
1500–1515	—	Break	

Time	Block	Method	Content
1515–1700	9	Exercise	Commander product drill: build a BUA read-ahead from a provided dataset; evaluator reviews for timestamp, CCIR status, and OPSEC compliance

Evening reading: TM-40F, Chapter 4 (Battle Rhythm Management) and Chapter 8 (Assessment and Reporting).

Day 3 — CP Operations, Degraded Procedures, and Practical Exercise

Time	Block	Method	Content
0800–0900	10	Brief	CP displacement continuity: MSS handoff procedures, snapshot and restoration, data gap identification; coordinating with S6 before displacement
0900–1030	11	Demo/Lab	Degraded operations: running Mission Command without full MSS connectivity; manual data backup; what to brief when MSS data is unavailable
1030–1045	—	Break	
1045–1100	12	Brief	Practical exercise scenario brief; product standards checklist review; tabletop ground rules
1100–1200	—	Prep	Practical exercise setup and planning time
1200–1300	—	Lunch	
1300–1700	13	**Eval**	**Practical exercise:** configure COP, set CCIRs, build battle rhythm dashboard, produce BUA product, respond to a data staleness inject, brief findings to evaluator

REQUIRED READING

When	Reading
Before Day 1	CONCEPTS_GUIDE_TM40F_MISSION_COMMAND (complete)
Day 1 evening	TM-40F, Ch 6 (CCIR and Decision Support Management)
Day 2 evening	TM-40F, Ch 4 (Battle Rhythm Management)

When	Reading
Day 2 evening	TM-40F, Ch 8 (Assessment and Reporting)
Day 3 (review)	TM-40F, Ch 10 (Degraded Operations) — skim before Day 3 brief

PRACTICAL EXERCISE

Scenario: You are the battle captain at a BCT headquarters during a force projection exercise. The commander requires a fully configured MSS COP with CCIRs active, a battle rhythm dashboard, and a BUA read-ahead product before a theater-level VTC in 4 hours. Mid-exercise, the S6 reports a data pipeline feeding readiness status has gone stale.

#	Task
1	Configure the COP with correct layers and verify data currency for all displayed feeds; verify MSS snapshot is configured per CP displacement procedures and brief the evaluator on the handoff sequence (source, snapshot, restore — 3 steps, no notes)
2	Build and validate 3 CCIRs from the provided commander's guidance card
3	Construct the weekly battle rhythm dashboard with the provided event list
4	Build the BUA read-ahead product with readiness summary, CCIR status, and operational outlook
5	Respond to the data staleness inject: identify the affected feed, characterize the gap, and brief the evaluator on what you will/will not brief to the commander
6	Apply OPSEC procedures to the final BUA product before simulated distribution

Go standard: Pass 5 of 6 tasks. No-Go on Task 2 (CCIR configuration) or Task 5 (data staleness response) = automatic No-Go regardless of total score.

GO CRITERIA

Task	Hard Standard
CP displacement handoff	Trainee must state the 3-step handoff sequence (source, snapshot, restore) without notes — a checklist read-back is acceptable; inability to name the steps is No-Go for that element of Task 1

Task	Hard Standard
CCIR thresholds	Syntactically correct but wrong thresholds do not pass — evaluator checks CCIRs against the commander guidance card
Data staleness inject	Correct answer is to characterize what is known/unknown and communicate to commander before briefing — trainees who "fix" the pipeline rather than characterize and escalate will miss the intent
BUA product	Data-as-of timestamps required on every data element — a product without timestamps fails that element
Battle rhythm dashboard	Dashboard must reflect the trainee's provided event list — not a template. Evaluator will check 3 randomly selected events by name against the provided list. Any missing or wrong event name is No-Go for that element

KEY TIPS

Risk	Guidance
CCIR configuration	"High-casualty threshold" is not a complete CCIR — must be tied to a specific data feed, specific value, and specific notification path. Bring your unit's CCIR list and work through configuration before Day 1
Data staleness inject	Do not click faster — immediately characterize the gap and communicate it up. Every commander product relying on the stale feed must be caveated
Battle rhythm dashboards	The evaluator will change underlying data and verify the dashboard updates — disconnected from live data fails the evaluation
CCIR troubleshooting	Mission command CCIRs that route to "all staff" as a notification path are not correctly configured — each CCIR must route to the specific functional staff section responsible for that decision (e.g., a readiness CCIR routes to S4, not all staff). Evaluator will check routing against the commander guidance card

ASSOCIATED EXERCISE AND EXAMS

Item	Reference
Practical Exercise	EX_40F (EXERCISE.md + ENVIRONMENT_SETUP.md) — `exercises/EX_40F_mission_command/`
Pre-course exam	EXAM_TM40F_PRE — `exercises/exams/EXAM_TM40F_PRE.md`
Post-course exam	EXAM_TM40F_POST — `exercises/exams/EXAM_TM40F_POST.md`

RELATED WFF TRACKS

SL 4F is one of six WFF tracks. All require SL 1, SL 2, and SL 3 as prerequisites.

Track	WFF	Audience
SL 4A	Intelligence	G2/S2 staff, targeting officers, all-source analysts
SL 4B	Fires	FSOs, FSEs, targeting officers, fires NCOs
SL 4C	Movement & Maneuver	G3/S3 staff, operations officers, maneuver planners
SL 4D	Sustainment	G4/S4 staff, logistics officers, supply chain managers
SL 4E	Protection	FP officers, CBRN officers, provost marshal staff
SL 4F	Mission Command	Battle captains, XOs, CDRs, MC-function staff

Personnel completing multiple WFF tracks do not repeat SL 1, SL 2, or SL 3. Enrollment is independent for each track.

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