

**U.S. ARMY**

**Mission Command Digital Master  
Gunner Course**

**Individual Student  
Assessment Plan  
(ISAP)**

**Fort Leavenworth**

Prepared by:  
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**Mission Command Digital Master Gunner Course**  
**9E-SI/ASI5C/920-ASI5C(CP)**  
**Fort Leavenworth, Kansas 66027**

**Student Assessment Plan (ISAP)**

**Applicability:** This ISAP applies to all Active Army, the Army National Guard (ARNG), the United States Army Reserve (USAR), members of other uniform services, and civilian personnel (including Department of the Army Civilians, tenants, and contractors).

**Supplementation:** Issue of supplements to this guide is prohibited unless specifically approved by MCDMG Division Chief, DOT, and the Mission Command Center of Excellence.

**Administrative notes:** The word “his” in this ISAP is intended to include both the masculine and feminine genders. The word “shall” in this ISAP indicates a mandatory requirement. The word “should” in this ISAP indicates a recommendation or that which is advised but not required.

**Suggested improvements:** The proponent of this ISAP is the **9E-SI/ASI5C/920-ASI5C(CP)** branch chief. Users are invited to send comments and suggested improvements by submitting DA Form 1045 (Army Ideas for Excellence Program Proposal).

## CONTENT

### General

Paragraph	Para	Page
Student Responsibilities.....	1	3
Course Description.....	2	4
Course Length.....	3	4
Course Training Modules.....	4	4
Course Grading, Evaluation and Testing Procedures.....	5	6
Remedial / Retraining Policy .....	6	11
Retesting Procedures .....	7	11
Course Graduation Requirements.....	8	12
Student Development Counseling Requirements.....	9	12
Student Relief or Dismissal.....	10	12
Student Recycle Policy.....	11	13
Student Recognition.....	12	13
End of Course Critique.....	13	13

#### 1. **Student Responsibilities:** Students shall:

- a. Professionally conduct themselves at all times and avoid conduct, both on and off duty that is immoral, illegal, unethical or likely to bring discredit upon the Army and this organization.
- b. Be at the appointed place of duty at the appointed time prepared for classes.
- c. Continuously progress towards meeting and exceeding all course graduation requirements as outlined in this ISAP.
- d. Perform all work on an individual basis, unless otherwise instructed.
- e. Complete the assigned reading and homework, complete practical exercises, be prepared for classes, and actively participate in all learning activities.
- f. Recognize shortcomings and request assistance as needed.

g. Comply with the guidelines outlined in the ISAP, Mission Command Digital Master Gunner Course Standards, Fort Leavenworth Regulations and Policies, and Army Regulation 350-1.

h. Avoid actions that are prejudicial to others in the class.

i. Demonstrate motivation and a positive attitude.

j. Maintain high standards of bearing and professionalism.

k. Participate in all training and classroom activities.

## 2. **Course Description:**

a. **9E-SI/ASI5C/920-ASI5C(CP)** Mission Command Digital Master Gunner Course provides students the knowledge, skills, and abilities to operate, configure, and coordinate the connectivity of the Mission Command Information Systems (MCISs) to provide the Commander's Common Operating Picture (COP) and assist their command to train those skills at home station, combat training centers, and while deployed. Ensure that students can manage the unit's digital crew training and certification.

b. This course is designed to fulfill the needs of Active, National Guard, Reserves, other Joint Services, DOD Civilians, and contractors.

c. Upon successful completion of this course, the student will be expected to demonstrate an understanding of Mission Command Workstation architecture, troubleshooting, COP, integration of other MCISs for the COP, and serve as the Commander's subject matter expert (SME) on the operation, maintenance, and training of the MCWS in a unit's integrated system of systems command post.

3. **Course Length:** **9E-SI/ASI5C/920-ASI5C(CP)** course is a three-week course consisting of a total of fifteen (15) training days. Specific classes may be shortened to be 12 consecutive days, 10 hours a day to meet One Army School System (OASS) requirements.

4. **Course Training Module:** This course is composed of three modules. Each module provides specific skills for the development of the MCDMG.

a. **Module A. Command Post of the Future (CPOF):** This is a 26.8-hour module. Upon completion of this module, students will be able to perform and supervise tasking relate to the Digital Training Table (DTT) I, execute essential Mission Command Information System (MCIS) operations. This module includes:

(1) MCDMG Overview.

(2) Prepare MCWS/CPOF for Operations.

(3) Configure Specialized Frame Information in CPOF on the MCWS.

(4) Conduct the Digital Master Gunner CPOF Test.

b. **Module B. Integration:** This is a 60-hour module. Upon completion of this module, students will be able to perform and supervise tasking relate to DTT II, Integrate Command Post Systems. This module includes:

(1) Shared Products.

(2) Server Architecture.

(3) Integrate the Joint Battle Command-Platform (JBC-P) into MCWS.

(4) Integrate the Advanced Field Artillery Tactical Data System (AFATDS) into MCWS.

(5) Integrate the Tactical Airspace Integration System (TAIS) into MCWS.

(6) Integrate the Air and Missile Defense Workstation (AMDWS) into MCWS.

(7) Integrate the Distributed Common Ground System-Army (DCGS-A) into MCWS.

(8) Integrate the Global Command and Control System-Army/Joint (GCCS-A/J) into MCWS.

(9) Produce an Operational Mission using MCWS.

(10) Complete the DMG Integration test.

(11) Army Battle Command System (ABCS) Server Exercise.

(12) Integrate MCIS training into Unit Training Plan.

c. **Module C. Command Post Computing Environment (CPCE):** This is a 33.2-hour module. Upon completion of this module, students will be able to operate CPCE, create a COP, and communicate with other MCIS. This module includes:

(1) Perform CPCE Operator tasks.

(2) Configure CPCE Map Components.

(3) Prepare the CPCE Workspace.

(4) Communicate using CPCE.

(5) Conduct Command Post Operations using CPCE.

(6) Data Integration.

(7) Conduct the Digital Master Gunner CPCE Test.

**5. Course Grading, Evaluation, and Testing Procedures:** The purpose of grading is to measure student's knowledge on a specific subject. Students shall pass three tests to graduate from the course. Students shall score 70% or higher to pass each test. Point achievement is calculated to a percentage computed to the first decimal place (00.0%) and used to determine student completion to training. An instructor in an MCDMG classroom shall conduct test implementation. The student performs the test on an individual workstation (WS) without help from other students. The student is **NOT** authorized to use previous exercises saved on the WS. In the event of any student failing an exam, their exam will be graded by another instructor for an independent evaluation. All test timelines are subject to change based on equipment availability.

**a. Module A. Command Post of the Future (CPOF):**

(1) The CPOF test is two hours long.

(2) The maximum score earned on this test is 225 points.

(3) The student shall score a minimum of 160 points to pass the test.

**b. Module B. Integration:**

(1) The Integration test is five hours long.

(2) The maximum score earned on this test is 110 points.

(3) The student shall score a minimum of 80 points to pass the test.

**c. Module C. CPCE:** CPCE test and grading worksheet are currently under development.

## MCDMG CPOF Test Grading Worksheet

Time: \_\_\_\_\_

DMG# \_\_\_\_\_

Last Name \_\_\_\_\_

### Pasteboard

Criteria:	Points	Score	Score
1. All pasteboards correctly named.	5		
2. Single screen format.	5		
3. Correct layouts used.	5		
<b>TOTAL Pasteboard</b>	<b>15</b>		

### Map

Criteria:	Points	Score	Score
1. Map is correctly labeled and nested.	5		
2. Units			
a. Correct Unit Type, echelon and Label	5		
b. Correct Grid	5		
3. TF 1-14 Effort			
a. TF 1-14 effort monitored, displayed, and correct format	5		
<b>TOTAL Map</b>	<b>20</b>		

### Graphics

Criteria:	Points	Score	Score
1. All five graphics are created.			
a. Graphic 1 (Grid, Type, Label correct)	15		
b. Graphic 2 (Grid, Type, Label correct)	15		
c. Graphic 3 (Grid, Type, Label correct)	15		
d. Graphic 4 (Grid, Type, Label correct)	15		
e. Graphic 5 (Grid, Type, Label correct)	15		
2. All five graphics are in individual efforts, label correct, and monitored	5		
3. All five graphics have a preset, label and focal point correct	5		
4. Line of sight properly displayed	5		
<b>TOTAL Graphics</b>	<b>90</b>		

### Stickies

Criteria:	Points	Score	Score
1. All stickies are present and properly nested.	5		
2. All stickies are correctly named and layout.	5		
3. All stickies have the desired information properly displayed.	5		
<b>TOTAL Stickies</b>	<b>15</b>		

### Spreadsheet, Chart, Table

Criteria:	Points	Score	Score
1. Spreadsheet			
a. Nested and correct layout	5		
b. Populated with correct information	5		
2. Chart			
a. Chart Nested and correct layout	5		
b. Populated with correct information in effort and data displayed	5		
3. Table			
a. Populated with correct information and properly displayed	5		
<b>TOTAL Spreadsheet, Chart, Table</b>	<b>25</b>		

Figure 5-1. MCDMG CPOF Test Grading Worksheet (Page 1)

## MCDMG CPOF Test Grading Worksheet

Time: \_\_\_\_\_

Chart, Task Assistant, Schedule		Points	Score	Score
1.	Chart			
	a. Chart Nested correctly	5		
	b. Populated with correct information and data displayed	10		
2.	Task Assistant			
	a. Nested correctly	5		
	b. Populated with correct information and data displayed	10		
3.	Schedule			
	a. Schedule nested and correct layout	5		
	b. Populated with Task Org	10		
	c. Tasks in correct effort and properly displayed	10		
<b>TOTAL Chart, Task Assistant, Schedule</b>		<b>55</b>		

Exporting Criteria:		Points	Score	Score
1.	Correctly named file and saved to correct location	5		
<b>TOTAL Exporting</b>		<b>5</b>		

	Points	Score	Score
Pasteboard	15		
Map	20		
Graphics	90		
Stickies	15		
Spreadsheets, Chart, and Schedule	25		
Chart, Task Assistant, and Schedule	55		
Exporting	5		
Any additional products that are not listed in the test	-10		
Products not neatly displayed and organized** (see below)	-5		
<b>TOTAL SCORE</b>		<b>225</b>	

Failing: Less than 160

Comments:

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Graded by \_\_\_\_\_ (Use Red Pen)  
 Verified by \_\_\_\_\_ (Use Black Pen)

Updated: 02/08/19

\*\* Products neatly displayed and organized. Such as no excessive space between items on Pasteboard, items that are supposed to be the same size ARE the same size. Products lined up with the edges of the pasteboards. Does it look like a finished product you would use to brief a commander?

Figure 5-2. MCDMG CPOF Test Grading Worksheet (Page 2)



**MCDMG Integration Test Grading Worksheet**

Time: \_\_\_\_\_

DMG# \_\_\_\_\_

Last Name \_\_\_\_\_

**COP Pasteboard/Map (CPOF)**

Criteria:	Points	Score	Score
All Pasteboards and maps properly labeled and correct layout			
The COP Pasteboard contains the CPOF Graphics and mirrored efforts from other AMCS Maps	10		
Pasteboard placed in correct effort within Brigade Shared Products			
CPOF graphics and units have correct type, echelon, location and label	10		
AMCS products located on Maps are live feeds sent from corresponding system	5		
CPOF graphics published to the DDS	5		
BDE AO Effort and Preset on COP Map	5		
<b>TOTAL COP</b>	<b>35</b>		

**AMDWS Map**

Criteria:	Points	Score	Score
Control Measure (Graphic) properly located and monitored in effort list	5		
Sensor and Weapon properly located and monitored in effort list	10		
<b>TOTAL AMDWS</b>	<b>15</b>		

**AFATDS Map**

Criteria:	Points	Score	Score
Graphic properly located and monitored in effort list	5		
Targets properly located and monitored in effort list	10		
<b>TOTAL AFATDS</b>	<b>15</b>		

**TAIS Map**

Criteria:	Points	Score	Score
Graphics properly located and monitored in effort list	10		
<b>TOTAL TAIS</b>	<b>10</b>		

**DCG S-A Map**

Criteria:	Points	Score	Score
Graphic properly located and monitored in effort list	5		
All Enemy Sit properly located and monitored in effort list	15		
<b>TOTAL DCG S-A</b>	<b>20</b>		

**GCC S-A Map**

Criteria:	Points	Score	Score
Unit properly located and monitored in effort list	5		
Event properly located and monitored in effort list	5		
Graphic properly located and monitored in effort list	5		
<b>TOTAL GCC S-A</b>	<b>15</b>		

Figure 5-3. MCDMG Integration Test Grading Worksheet (Page 1)

### MCDMG Integration Test Grading Worksheet

	Points	Score	Score
COP	35		
AMDWS	15		
AFATDS	15		
TAIS	10		
DCG S-A	20		
GCCS-A	15		
<b>Any additional items in your product*</b>	<b>-10</b>		
<b>Any additional products located in Scratch Effort of any map**</b>	<b>-10</b>		
<b>Incorrect naming conventions on any product created</b>	<b>-20</b>		
<b>TOTAL SCORE</b>	<b>110</b>		

Failing: Less than 80

Comments:

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Graded by \_\_\_\_\_ (Use Red Pen)

Verified by \_\_\_\_\_ (Use Black Pen)

Last Update:  
08/27/19

\*Additional items include Pasteboards, Maps and Efforts that were not included in the instructions

\*\* Does not include graphics displayed from inside published items (such as range rings displayed from sensors/weapons and graphics inside tasks from TAIS/AFATDS).

**If a section/piece of equipment is skipped by the student during the test, the student will automatically fail the entire test and WILL BE SENT HOME and your Commander will be notified.**

Figure 5-4. MCDMG Integration Test Grading Worksheet (Page 2)

## 6. Remedial/ Retraining Policy:

- a. Remedial training is available to assist those students that require assistance outside of classroom instruction.
- b. Remedial training is additional training given to students in an attempt to enable them to attain minimum training standards and remain in the course. Examples of remedial training are one-on-one training, practical exercises, and self-study.
- c. Stand-alone MCWS/CPOFs are available from the course System Administrators during the entire course for any student to study/learn concepts and operations on their own time.
- d. Remedial training is required for students failing the CPOF test.
- e. Due to the length of the **Integration and CPCE test**, there is **NO remedial training given in the event of a test failure.**

## 7. Retesting Procedures:

- a. A one-time retest will be offered to students failing the CPOF and Integration test.
- b. If the student receives two failing scores on the CPOF or Integration test, the Course Manager shall initiate actions to remove the student from the course.
- c. For students who fail to pass the CPOF or Integration retest, a decision shall be made by the individual instructor, Course Manager, and Branch Chief on whether to discharge the student. The decision on whether this course of action is appropriate shall be based on an independent evaluation of each student using the following guidelines:
  - (1) Potential worth to the military.
  - (2) Past training record, attitude, and motivation.
- d. The retest grade will replace the original grade for a maximum of 70 percent.
- e. Due to time constraint and the length of the **CPCE test**, there is **NO retest given in the event of a test failure.** Students will be allowed to continue training for the rest of the course, but **students will NOT receive a certificate of training and will NOT receive the ASI 5C upon completion of the course.** This will be noted in ATRRS, and an email will be sent to the training NCO / person who put the student into ATRRS.

**8. Course Graduation Requirements:** Graduation is determined by a student's ability to complete all course requirements, as stated in the ISAP. To complete the Mission Command Digital Master Gunner Course, the student shall:

- a. Obtain a minimum score of 70 percent on all evaluations.
- b. Maintain a minimum academic average of 70 percent.

**9. Student Development Counseling Requirements:** Counseling is the process used by leaders to review with a subordinate the subordinate has demonstrated performance and potential.

a. Either the Branch Chief, the Deputy, or the Course Manager will verbally counsel all students and explain academic and administrative responsibilities.

b. Each student failing to maintain the course module minimal standards will be counseled by the Course Manager for that block of instruction.

**10. Student Relief or Dismissal:** To protect students from unfair and illegal practices, the MCDMG School establish an appeal process to determine student relief or dismissal. The appeal process chain of command is as follow 1. Course Manager or Course Deputy 2. School Chief, and 3. School Commandant. The school Chief is the first line in the chain of command authorize to relief/dismiss a student. The School Commandant is the final authority to relief/dismiss a student. Both will determine through precise procedures whether or not to dismiss a student IAW Army Regulation 350-1. In doing so, the MCDMG Chief or School Commandant may involuntarily dismiss or relieve the student from the MCDMG Course before graduation for any of the following academic or non-academic reasons:

**a. Academic:**

(1) Failure to meet measured criteria regularly (examinations, quiz, graded practical exercise).

(2) Failure to meet minimum (70%) grade point average.

(3) Failure to pass the retest.

(4) Involvement in cheating.

(5) Lack of academic progress provided that individual counseling and remedial training has failed.

**b. Non-Academic:**

(1) Personal conduct on or off duty that is such that their continuation in the course is not appropriate, such as DUI, domestic violence, and CID investigations.

(2) Demonstrated behavior prejudicial to others in the class.

(3) Non-positive or harmful attitude.

(4) Safety violations.

(5) Exhibited excessive stress or emotional problems.

(6) Medical reasons that will prevent the student from completing the minimal course requirements.

(7) Issues such as absence from training. No more than 8 hours of training can be missed during the course. This may be waived by the Course Manager if coordinated before the absence. The class instructor will provide feedback to the Course Manager whether or not the student or class will get affected for the absent.

(8) Administrative issues that include emergency leave, declination of continued service statement, separation due to end of term in service, as determined by the Course Manager or Branch Chief.

(9) Infractions of training policies.

(10) Lack of proper motivation provided individual counseling has been unsuccessful.

(11) Hardship or family problems.

(12) Voluntary relief.

11. **Student Recycle Policy:** Due to the length of the course, class schedules, and TDY funds, students will not be recycled. They may attend class at a later date as determined by their unit.

12. **Student Recognition:** All students who meet completion criteria will receive a proponent training certificate. The certificate shall contain, at a minimum: students full name, rank, the complete course title, course identification number, and the beginning and completion dates of the course. The student **MAY** also receive the Additional Skill Identifier (ASI) upon successful course completion, depending on the student meets all other criteria as listed in this Student Assessment Plan.

13. **End of Course Critique:** A writing after action review (AAR) will be conducted electronically, then submitted to the Course Manager or the Branch Chief as well as the course training developer upon completion of each class.