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

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, Directorate Of Training, 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

1. Student Responsibilities: Students shall:

a. Always conduct themselves professionally 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 or 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 Command and Control Information Systems (C2IS) to provide the Commander a 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 C2IS architecture, troubleshooting, COP, integration of other C2IS for the COP, and serve as the Commander's subject matter expert (SME) on the operation, maintenance, and training of the C2IS 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 (120 academic hours) 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 two modules. Each module provides specific skills for the development of the MCDMG. Modules may be conducted out of sequence based on time and equipment availability.

a. **Module A. Command Post Computing Environment (CPCE):** This is a 40 academic hour module. Upon completion of this module, students will be able to operate CPCE, create a COP, and communicate with other C2IS. This module includes:

i. Perform CPCE Operator tasks.
ii. Configure CPCE Map Components.
iii. Prepare the CPCE Workspace.
iv. Communicate using CPCE.
v. Conduct Command Post Operations using CPCE.
vi. Conduct the Digital Master Gunner CPCE Test.

b. **Module B. Integration:** This is a 48 academic hour module. Upon completion of this module, students will be able to perform and supervise tasking related to DTT II, Integrate Command Post Systems. This module includes:

i. Command Post of the Future (CPoF)
ii. Joint Battle Command-Platform (JBC-P)
iii. JBC-P and CPCE C2 Integration
iv. Integrate the Advanced Field Artillery Tactical Data System (AFATDS) into C2IS.
v. Integrate the Tactical Airspace Integration System (TAIS) into C2IS.
vi. Integrate the Air and Missile Defense Workstation (AMDWS) into C2IS.
vii. Integrate the Distributed Common Ground System-Army (DCGS-A) into C2IS.
viii. Integrate the Global Command and Control System-Army/Joint (GCCS-A/J) into C2IS.
ix. Complete the DMG Integration test.

c. **Module C. Advanced CPCE Functions:** This is a 32 academic hour module. Upon completion of this module, students will be able to perform functions related to the CPCE Management Tab This module includes:

i. Server Architecture.
ii. Management Mode Functionality
iii. C2IS Server Exercise.
iv. Produce an Operational Mission Briefing using C2IS.

5. **Course Grading, Evaluation, and Testing Procedures:** The purpose of grading is to measure students' knowledge on a specific subject. Students shall pass two 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 of 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. In the event a specific piece of equipment is not operational for the test, maximum and minimum scores for the test will be adjusted accordingly.

a. **Module A. CPCE:**

i. The CPCE test is two hours long.
ii. The maximum score available to earn on this test is 265 points.

iii. The student shall earn a minimum of 70% of available points to pass the test.

b. **Module B. Integration:**

i. The Integration test is four hours long.
ii. The maximum score available to earn on this test is 285 points.
The student shall earn a minimum of 70% of available points to pass the test.

CPCE Test Grading Sheet:

DMG#_____ Last Name _____

CPCE Plans and Orders:

Plan Folder Criteria	Points	Score	Score
1. Folder Created with correct name and permissions	5		
2. New Plan Created with correct name and permissions	5		
TOTAL	10		

Collaborative Text Editor Criteria	Points	Score	Score
1. Order correctly pasted into collaborative text editor	5		
2. Shortcuts created with the correct headings	5		
TOTAL	10		

Plan Overview Criteria	Points	Score	Score
1. New File Added with correct name and permissions	5		
2. Annex A folder created with correct name and permissions	5		
3. Annex B folder created with correct name and permissions	5		
4. Annex C folder created with correct name and permissions	5		
TOTAL	20		

Annex A Folder Criteria	Points	Score	Score
1. Task Organization added with correct name and permissions	5		
2. Correct Unit selected for the Task Organization (3ID)	5		
3. New Friendly Units Plan Layer added with correct name and permissions	5		
TOTAL	15		

Annex B Folder Criteria	Points	Score	Score
1. New Enemy Situation Plan Layer added with correct name and permissions	5		
TOTAL	5		

Annex C Folder Criteria	Points	Score	Score
1. New Operations Graphics Layer added with correct name and permissions	5		
TOTAL	5		

Courses of Action Criteria	Points	Score	Score
1. Course of Action Folder is in the Plan Folder	5		
2. Friendly Folder contains Test COA 1 Folder with correct name	5		
3. Friendly Folder contains Test COA 2 Folder with correct name	5		
4. Enemy Folder contains Test MLCOA Folder with correct name	5		
TOTAL	20		

CCIRs Criteria	Points	Score	Score
1. Test EEFI created with correct name and type	5		
2. Test EEFI is approved and has correct information	5		
TOTAL	10		

Figure 5-1 MCDMG CPCE Test Grading Worksheet (Page1)

CPCE Current Operations

Pictures and Layers Criteria	Points	Score	Score
1. CUOPS MOUNTAIN DEW Picture Created with correct name and permissions	5		
2. OPS GRAPHICS Layer Created with correct name and permissions	5		
3. FRIENDLY UNITS Layer Created with correct name and permissions	5		
4. CUOPS INTEL Picture created with correct name and permissions	5		
5. ENEMY SIT Layer Created with correct name and permissions	5		
6. Smart Layer TEST SIGACTS			
Smart Layer created with correct Name and Permissions.	5		
Smart Layer created with correct sources.	5		
Smart Layer created with correct filters.	5		
TOTAL	40		

Units and Graphics Criteria:	Points	Score	Score
1. Friendly Units are in the correct Layer	5		
2. Friendly Units are all displayed in AA STEELERS	5		
3. Enemy Units have the correct Name, Size, Grids and Type	5		
4. Enemy Units are in the correct Layer	5		
5. Friendly Graphics are in the correct Layer	5		
6. AA STEELERS Name, Grids and Hostility are correct	5		
7. OBJ JEFFERSON Name, Grids and Hostility are correct	5		
8. OBJ HAMILTON Name, Grids and Hostility are correct	5		
9. ATK POS CHIEFS Name, Grids and Hostility are correct	5		
9. Main attack, Axis of Advance is drawn from AA to the OBJs	5		
TOTAL	50		

Spot Report/Journal Criteria	Points	Score	Score
1. Hostile unit B-TEAM created in Enemy Sit Layer	5		
2. SPOT Report Sent to Instructor role	5		
3. Journal entry created with Tag SIGACT	5		
TOTAL	15		

File Viewer Criteria:	Points	Score	Score
1. All Folders created with correct name	5		
2. All Text and Table Files are in the correct folders.	5		
3. S2 Text File created with correct Name and information	5		
4. S3 Text File created with correct Name and information	5		
5. S4 EXCEL Table File imported with correct Name and information	5		
TOTAL	25		

Figure 5-2 MCDMG CPCE Test Grading Worksheet (Page 2)

Bookmark Criteria:	Points	Score	Score
1. Bookmark Folder created with correct name.	5		
2. All Bookmarks are in correct Bookmark Folder.	5		
3. DMG AO Bookmark created with correct Name and focal point.	5		
4. AA STEELERS Bookmark created with correct Name and focal point.	5		
5. OBJ JEFFERSON Bookmark created with correct Name and focal point.	5		
6. OBJ HAMILTON Bookmark created with correct Name and focal point.	5		
7. IED SIGACTS Bookmark created with correct Name and focal point.	5		
TOTAL	35		

Exporting Criteria:	Points	Score	Score
1. Layers are exported to correct location	5		
TOTAL	5		

	Points	Score	Score
Plan Folder Criteria	10		
Collaborative Text Editor Criteria	10		
Plan Overview Criteria	20		
Annex A Folder Criteria	15		
Annex B Folder Criteria	5		
Annex C Folder Criteria	5		
Courses of Action Criteria	20		
CCIRs Criteria	10		
Pictures and Layers Criteria	40		
Units and Graphics Criteria	50		
Spot Report/Journal Criteria	15		
File Viewer Criteria	25		
Bookmark Criteria	35		
Exporting Criteria	5		
TOTAL SCORE	265		
Failing: Less than	185		

Graded by_____(Use Red Pen)

Verified by_____(Use Black Pen)

Comments:

Figure 5-3 MCDMG CPCE Test Grading Worksheet (Page 3)

MCDMG Integration Test Grading Worksheet

DMG#_____ Last Name _____

Performance Measures

CPOF Criteria:

	Points	Score	Score
CPOF Pasteboard			
1. All pasteboards correctly Named, Nested, Layout, and Single Screen.	5		
CPOF Map			
1. Map is correctly labeled and nested.	5		
2. Correct Presets on maps.	5		
3. CPOF Effort is on all maps & monitored.	5		
CPOF Graphics and Units			
1. Units have correct Type, Echelon, and Location.	5		
2. Graphics have correct Type, Location, and Label.	5		
3. Units and Graphics are in correct effort.	5		
4. CPOF Effort is published to the DDS	5		
CPOF COP MAP			
1. BDE Effort is on COP map & monitored.	5		
2. Efforts for each system with CTRL-DRAG Graphics	5		
CPOF AMDWS MAP			
1. Live Control Measure Effort is on map & monitored.	5		
2. Live Sensors Effort is on & monitored.	5		
3. Live Weapons Effort is on map & monitored.	5		
CPOF AFATDS MAP			
1. Live FSCM Effort is on map & monitored.	5		
2. Live Targets Effort is on map & monitored.	5		
CPOF TAIS MAP			
1. ACO Effort is on map & monitored.	5		
CPOF GCCS-A MAP			
1. Spatial Filter is on map & monitored.	5		
2. Live SIGACT Effort is on map & monitored.	5		
3. Live Grahpic Effort is on map & monitored.	5		
TOTAL CPOF	95		

CPCE Criteria:

	Points	Score	Score
CPCE COP Picture			
1. COP Picture is created with correct Name and Permissions	5		
2. Correct Layers are added.	5		
CPCE CPOF Picture			
1. CPOF Picture is created with correct Name and Permissions	5		
2. Layer published from CPOF is added.	5		
CPCE AMDWS Picture			
1. AMDWS Picture is created with correct Name and Permissions	5		
2. AMDWS Smart Layer is created with correct Name, Permissions.	5		
3. AMDWS Smart Layer has correct Sources and Filters.	5		
CPCE AFATDS Picture			
1. AFATDS Picture is created with correct Name and Permissions	5		
2. AFATDS Smart Layer is created with correct Name, Permissions.	5		
3. AFATDS Smart Layer has correct Sources and Filters.	5		
CPCE TAIS Picture			
1. TAIS Picture is created with correct Name and Permissions	5		
2. ACO Layer is added.	5		
CPCE GCCS-A Picture			
1. GCCS-A Picture is created with correct Name and Permissions	5		
2. GCCS-A Smart Layer is created with correct Name, Permissions.	5		
3. GCCS-A Smart Layer has correct Sources and Filters.	5		
4. GCCS-A Graphic Layer is added.	5		
5. DDS-POS_RPT Layer is added	5		
TOTAL CPCE	85		

Figure 5-4 MCDMG Integration Test Grading Worksheet (Page 1)

MCDMG Integration Test Grading Worksheet

AMDWS Criteria:	Points	Score	Score
1. Control Measure has correct Type, Name, and Location	10		
2. Sensor has correct Type, Name, and Location	5		
3. Weapon has correct Type, Name, and Location	5		
TOTAL AMDWS	20		

AFATDS Criteria:	Points	Score	Score
1. Geometry has correct Type, Name, and Location	10		
2. Target 1 has correct Name, and Location	5		
3. Target 2 has correct Name, and Location	5		
TOTAL AFATDS	20		

TAIS Criteria	Points	Score	Score
1. ACO has correct Name and is published.	10		
2. ACM 1 has correct Name, Type, and Location	5		
3. ACM 2 has correct Name, Type, and Location	5		
TOTAL TAIS	20		

GCCS-A Criteria	Points	Score	Score
1. GCCS-A Overlay is created with correct Name.	5		
2. GCCS-A SA Unit is created with correct Name, Type, Echelon, and Location.	5		
3. GCCS-A SIGACT is created with correct Name, Type, and Location.	5		
4. GCCS-A Graphic is created with correct Name, Type, and Location.	5		
TOTAL GCCS-A	20		

JBC-P Criteria	Points	Score	Score
1. JBC-P Correct role was selected and has correct Location.	5		
2. JBC-P SPOT Report 1 has correct Type and Location.	5		
3. JBC-P SPOT Report 2 has correct Type and Location.	5		
4. JBC-P Obstacle Report has correct Type and Location.	5		
5. JBC-P Overlay is created with correct Name and saved.	5		
TOTAL JBC-P	25		

	Points	Score	Score
TOTAL CPOF	95		
TOTAL CPCE	85		
TOTAL AMDWS	20		
TOTAL AFATDS	20		
TOTAL TAIS	20		
TOTAL GCCS-A	20		
TOTAL JBC-P	25		
TOTAL SCORE	285		
Failing:Less than	200		

Graded by_____(Use Red Pen)
Verified by_____(Use Black Pen)

*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

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.

8/16/2022 FULL INTERGRATION TEST

Figure 5-5 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 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 C2ISs 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 CPCE test. Due to the length of the **Integration Test** and equipment involved, 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 CPCE test.
b. If the student receives any combination of two failing scores on the tests/retests, the Course Manager shall initiate actions to remove the student from the course.
c. For students who fail to pass the CPCE 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:

    i. Potential worth to the military.
    ii. 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 constraints and the length of the **Integration test**, there is **NO retest given.**

In the event of a test failure. Students may 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, 1SG, or CSM.

8. Course Graduation Requirements:

Graduation is determined by a student's ability to complete all course requirements, as stated in this 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's 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 or the Deputy.

10. Student Relief or Dismissal:

a. To protect students from unfair and illegal practices, the MCDMG School established an appeal process for student relief or dismissal. The appeal process chain of command is as follows:

   i. School Chief
   ii. School Commandant.

b. The School Chief is the first line in the chain of command authorized to relieve/dismiss a student. The School Commandant is the final authority to relieve/dismiss a student. Both will determine through precise procedures whether to dismiss a student IAW Army Regulation 350-1. In doing so, the School 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:

   i. **AR 350-1 Academic:**
      a. Failure to meet measured criteria (examinations, quizzes, graded practical exercises).
      b. Failure to maintain a minimum (70%) grade point average.
      c. Failure of any combination of 2 tests/retests
      d. Involvement in cheating.
      e. Lack of academic progress provided that individual counseling and remedial training has failed.

   ii. **Non-Academic:**
      a. 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.
      b. Demonstrated behavior prejudicial to others in the class.
      c. Non-positive or harmful attitude.
      d. Safety violations.
      e. Exhibited excessive stress or emotional problems.

f. Medical reasons that will prevent the student from completing the minimal course requirements.
g. 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 the student or class will be affected by the absence.
h. 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.
i. Infractions of training policies.
j. Lack of proper motivation provided individual counseling has been unsuccessful.
k. Hardship or family problems.
l. Voluntary relief.

b. **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.

c. **Student Recognition:** All students who meet completion criteria will receive a proponent training certificate. The certificate shall contain, at a minimum: student's 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) 5C upon successful course completion, provided the student meets all other criteria as listed in this ISAP.

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