

CHAPTER NINETEEN

**AVIATION GROUND SUPPORT
ACADEMIC SUPPORT
PACKAGE**

15 JULY 2002

AVIATION GROUND SUPPORT ACADEMIC SUPPORT PACKAGE

Course Objective: The AGS Academic Support Package provides the material for thorough instruction on the capabilities and limitations of the MWSS, and the MWSS's role in providing AGS to the ACE. AGS instruction includes: AGS overview, tactical fuel systems, Forward Operating Base (FOB) operations, airfield design and layout, expeditionary airfield (EAF) systems, weather services, air base ground defense (ABGD) base recovery after attack (BRAAT) and rapid runway repair (RRR). The AGS ATI should also focus on the application of this instruction in the development and briefing of AGS products, such as the Air Base Master Plan (ABMP), the BRAAT Plan, and the ABGD Plan. The academics should be taught annually and a practical planning problem to develop an ABMP, ABGD, and BRAAT plan should be conducted immediately following.

Length: 40 classroom hours for academic portion.

Notes: The Aviation Ground Support Academic Support Package is developed by MAWTS-1 and the WTI or other qualified instructor will utilize it to train their respective units. The academics should be integrated into all phases of training.

1. **Academic Syllabus:** The following classes should be given at least annually.

- a. AGS
- b. AGS Airbase Ground Defense (ABGD)
- c. AGS Forward Arming and Refueling Point (FARP) Operations
- d. AGS Marine Corps Tactical Fuel Systems
- e. AGS Methods of Crater and Spall Repair
- f. AGS Minimum Operating Strip (MOS) Selection and Layout
- g. AGS Rapid Runway Repair (RRR) Planning Considerations
- h. AGS Base Recovery After Attack (BRAAT) Command and Control
- i. AGS Basic Soils and Airfield Construction
- j. AGS Damage Assessment Teams
- k. AGS Fiberglass Reinforced Polyester Panels
- l. AGS Tactical Landing Zones
- m. AGS Survey, Liaison and Reconnaissance Party
- n. AGS Airfield Design and Terminology
- o. AGS Unexploded Ordnance
- p. AGS AM-2 Matting
- q. AGS M-21 Arresting Gear
- r. AGS Aircraft Rescue and Firefighting Tactical Employment
- s. AGS Soil Assessment Capabilities

2. The following classes should be presented on a regular basis as part of a sound ground-training plan to supplement the AGS specific training.
 - a. C3 TACC
 - b. C3 TAOC
 - c. C3 MATC
 - d. C3 DASC
 - e. MAWTS-1 MOUT
 - f. ASD Assault Support Plan
 - g. MAWTS-1 The Marine Corps Planning Process
 - h. MAWTS-1 Execution Checklist
 - i. AGS JPS/PLGRS
 - j. KC-130 RGR
 - k. CH-53 TBFDS
 - l. AGS MWSS COM
 - m. AGSMETOC ISO MAGTF
 - n. AGS Maritime Prepositioning Force Overview

INTELLIGENCE COMMON ACADEMIC SUPPORT PACKAGE

Course Objective: To provide Intelligence personnel additional instruction focused on maximizing an understanding of MACCS capabilities and limitations, threat systems, collections/battle management platforms, fire support coordination measures, specific MEU (SOC) missions, IADS analysis and an understanding of the joint targeting cycle.

Length: 42 classroom hours

Notes:

1. The Intelligence Common Academic Support Package is developed by MAWTS-1 and designed to be taught by a WTI or other qualified instructor. These courses are designed to be integrated into each unit's Weapons and Tactics Training Program (WTTP).
2. This ASP is designed to facilitate a progressive building block approach to instruction; however, each class can be taught independently by the WTI, based on the training needs of the respective unit.

Academic Syllabus:

1. It is recommended that the following classes be presented on a regular basis as part of a sound WTTP:
 - a. TACC
 - b. TAOC
 - c. Basic Radar Principles
 - d. (TAGS) Theater Air Ground System
 - e. MACG ISO MEU
 - f. Deep Air Ops
 - g. JSRC Center
 - h. Airfield Design and TECH
 - i. NEO Execution
 - j. Objective Area Plan
 - k. GCE Raid Plan
 - l. Automated Missile Planning System
 - m. MOUT
 - n. FAC(A)/TAC(A) EMP
 - o. OAS FW/RW Integration
 - p. OAS PGMS
 - q. METOC ISO MAGTF
 - r. EODTA
 - s. Air Design and TECH