



**Pennsylvania State Fire Academy**  
1150 Riverside Drive  
Lewistown, PA 17044-1979

**Pennsylvania Emergency Management Agency**  
2605 Interstate Drive  
Harrisburg, PA 17110

## **Minimum Standard for Accreditation (MSA)**

**Original program:** 8/2013

**Revised:**

**Course Title:** G-361 Flood Fight Operations

**Course Code:** G-361

**Length of Course:** 16 Hours

**Lecture/Lab Breakdown:** 10.5 / 5.5

**Target Audience** The target audience is for personnel associated with planning for and responding to riverine flooding. .

**Prerequisites:** Volunteer or staff position in an emergency services profession FEMA Independent Study Program 100 (equivalent or current version), FEMA Independent Study Program 200 (equivalent or current version), FEMA Independent Study Program 700 (equivalent or current version), and FEMA Independent Study Program 775 (equivalent or current version).

**Referenced Texts:** FEMA G-361 Flood Fight Operations Student Manual. Instructor Guide and PowerPoint provided on CD by PEMA.

**Course Goal:** This course will enable the participants to summarize the basic concepts related to riverine flooding. Participants will be able to analyze flood threats, determine how to coordinate with multiple agencies and organizations to plan for river flooding and develop a flood emergency plan.

**Description of Course:** The G-361 Flood Fight Operations Course addresses community planning and response options for riverine flooding. While it does not deal with specialized flooding situations such as alluvial fan floods, coastal floods, flash floods, or floods related to ice jams, the same basic planning and response procedures could apply in these unique situations. Effective community planning is critical to successful flood operations.

**Description of Methodology to be used: (Brief):** Lecture, discussions, activities, and PowerPoint presentations.

**Student Equipment/Supply Needs:** Note taking materials (Pen/Pencil, paper) and Student Manual.

# MINIMUM STANDARDS FOR ACCREDITATION

## G-361 Flood Fight Operations

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**Equipment/Audiovisual/Supply requirements:** Classroom setting with chairs and tables; computer, LCD projector screen, flipchart; additional handouts per instructor choice.

**Special Notes & Conditions:** Minimum number of students 10, Maximum number of students 30. Two (2) instructors are required for the delivery of this course. It is recommended that a Corps of Engineers representative teach Unit 4.

### **COURSE OUTLINE**

<b><u>Time</u></b>	<b><u>Content</u></b>	<b><u>Notes</u></b>
	<b><u>Day 1</u></b>	
0:30	Registrations Course Overview	
1:30	Unit 1: Introduction to Riverine Flooding	
1:30	Unit 2: Information Gathering	
0:30	Unit 2: Information Gathering Activity	
1:30	Unit 3: Planning and Coordination	
0:30	Unit 3: Planning and Coordination Activity	
1:00	Unit 4: Flood Response Methods	Corps of Engineers
1:00	Unit 4: Flood Response Methods Activity	
1:00	Unit 5: Decision Making	
	<b><u>Day 2</u></b>	
0:20	Unit 5: Decision Making Activity	
1:00	Unit 6: Volunteer Management	
0:30	Unit 6: Volunteer Management Activities	
1:00	Unit 7: Flood Works Monitoring	
1:00	Unit 7: Flood Works Monitoring Activity	
0:45	Unit 8: Reports and Documentation	
0:15	Unit 8: Reports and Documentation Activity	
0:45	Unit 9: Returning to Normal	
0:15	Unit 9: Returning to Normal Activity	
0:10	Unit 10: Course Summary	
1:00	Final Exam	

**Competency Evaluation Mechanism (Brief description):** a 22 question open book final exam. Exam is considered passing with a score of 70%. Candidate has one (1) retest attempt to pass.

**Course Objectives (specific):** Upon conclusion participants will be able to:

1. Summarize the basic concepts related to riverine flooding.
2. Analyze flood threats for a given scenario.
3. Determine how to coordinate with multiple agencies, groups and organizations to plan for riverine flooding.
4. Explain the advantages and disadvantages of expedient flood works.
5. Develop a flood emergency plan for a given scenario.
6. Summarize the considerations involved in managing a volunteer workforce.
7. Describe the processes, equipment, and considerations for monitoring flood works.
8. Explain the challenges and resources associated with the recovery process.
9. Evaluate the actions taken during a riverine flood event, for a given scenario

**Questions/Comments: Contact the State Fire Academy Assistant Administrator**