



610 Series Template
FTR | FLOOD THREAT RECOGNITION
CRS 612.a
Points: Up to 75 Points



To achieve CRS points in any 610 category:

- 1st – For coastal communities, the Governing Body must adopt a municipal resolution adopting the Monmouth County Coastal Evacuation Plan (-see *Sample Resolution Provided*)
- 2nd - Make certain to perform an annual exercise (table top, functional, or full scale) or actual occurrence as documented on a FEMA exercise report 95-44 (-see *611.b(4)(d)(v) below*) prior to submission
- 3rd - 611.b Activity Credit Criteria (-see *below*)
- 4th – Submit the 610 Checklist with the required documentation

There are three FTR levels

- Level 1: Manual Flood Treat Recognition System (25 pts.)
- Level 2: Automated Alarm Flood treat Recognition System (50 pts.)
- Level 3: Automated flood Threat Warning System (75 pts.)

Recommended Action: Obtain a **Level 3** by having your town sign up for the *Stevens Flood Advisory System* at <http://hudson.dl.stevens-tech.edu/sfas/> or similar automated food threat warning system.

612.a Credit Criteria for FTR: FLOOD THREAT RECOGNITION

Refer to the 610 Checklist and CRS Coordinator's Manual for details on how to satisfy these criteria.

- (1) The activity credit criteria in Section 611.b must be met (-see *below*)
- (2) The community must have a Level 1, 2, or 3 flood threat recognition system in effect (-see *recommended action above*).
- (3) The flood threat recognition system must be correlated to flood inundation or evacuation map.

611.b Activity Credit Criteria (required)

Refer to the CRS Coordinator's Manual for details

- (1) The community must obtain at least some credit in the first four flood warning and response elements (FTR, EWD, FRO, and CFP) to receive any credits for this activity.
- (2) The community must have a description of its flood hazard including:
 - a) Nature of the community's flood hazard (specific and local) including flood depths, velocities, warning times, historical flood problems, and special flood-related hazards
 - b) Inventory of the buildings by type exposed to flooding including an inventory of the land use of both developed and undeveloped places within the affected areas (-see *4(d)(ii)*)
 - c) Inventory of critical facilities and the expected impacts of flooding on health and safety, community functions (e.g. police and utilities), and potential for secondary hazards (-see *4(d)(iii)*)



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(3) Flood inundation map also known as flood stage forecast map showing at least three different levels of anticipated flooding.

Note: Coastal communities may use the County Evacuation Map as their flood inundation map. Inland (non-coastal) communities can work with the county on creating similar local inundation maps. Specific evacuation tasks/missions must correspond to various flood level events as represented on the flood inundation map.

(4) A Flood Warning and Response Plan as adopted by the governing body or by an office that has been delegated approval authority:

- a) Describe the methods and warning devices used to disseminate information to the public under the EWD (612.b) (-see local EOP for FRO)
- b) Include specific flood response actions taken at different flood level events that are credited under FRO (612.c) (-see local EOP for FRO); and
- c) FRO has to be adopted by the governing body or an office that has been delegated by the governing body. (-see local EOP for FRO)
- d) The Flood Warning Response Plan must be adopted by the governing body of the individual community seeking CRS credits.
 - (i) County Evacuation Plan Map for the municipality may be used to satisfy this condition
 - (ii) The county can assist the community in providing the number of structures used in calculation the sums in the bSFHA (Special Flood Hazard Area), bFTR (Flood Threat Recognition), bEWD (Early Warning Dissemination), and bFRO (Flood Response Operations).
 - (iii) A list of all public and private critical facilities in the community along with the contact names/phone numbers/ contact info to be updated annually.
 - (iv) The community must provide the adopted definition of critical facilities.
 - (v) The community must provide verification that it participated in a drill/exercise or actual activation in the past 12 months.
 - (vi) The community must provide verification that systems used for credit under EWD have been tested in the past 12 months.

(5) Implement one or more outreach projects explaining to business and residents how they will be warned and safety measures they should take during a flood event.

- Refer to the CRS Coordinator's Manual for examples of acceptable outreach activities (-see 5.a through 5.e)

(6) There must be at least one exercise and evaluation of the Flood Warning and Response Plan each year that is compliant with the National Incident Management System (-see crossover with 4.1)

Documentation for FTR

- Refer to checklist at www.CRSResources.org/600 and CRS User Manual for details in satisfying documentation requirements for:
 - Community's flood hazard description (usually located in the flood hazard mitigation plan)
 - Community's flood inundation or evacuation map or maps (county assistance is available)
 - Adopted Flood Warning Response Plan (marked up copy)



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- Flood Threat Recognition System description
- Maintenance procedures if the community has its own gage system
- Impact adjustment map showing area(s) affected by each element and documentation showing how the number of buildings used in the calculation were determined (county assistance is available)
- A copy of outreach material used for outreach projects under criterion 5.
- Documentation and description of the annual flood event exercise, drill, or actual event including conditions, actions, who participated, lessons learned, and any recommended changes to the system. Use FEMA exercise report 95-44. (-see link below)

Links

610 Checklist: <https://crsresources.org/files/600/610-documentation-checklist.docx>

FEMA Exercise Report 95-44: https://www.pdfFiller.com/en/project/151415521.htm?f_hash=21dfc3

CRS Activity 610- Flood Warning and Response Video: <https://www.youtube.com/watch?v=gbtsp4qBad8>