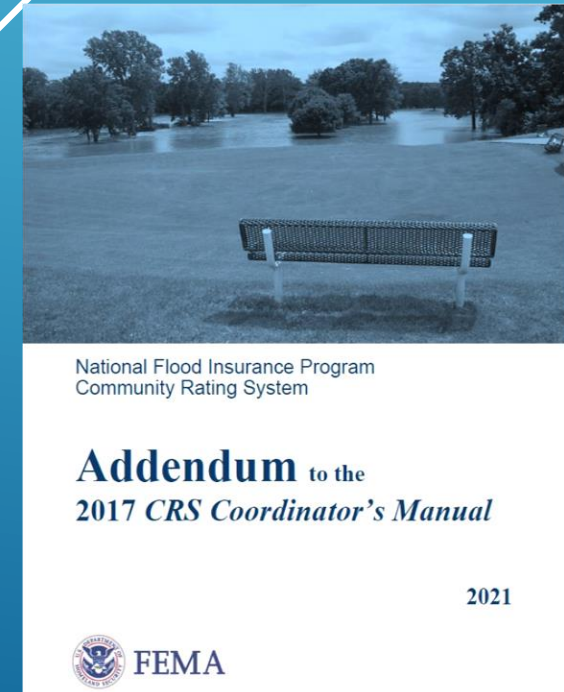
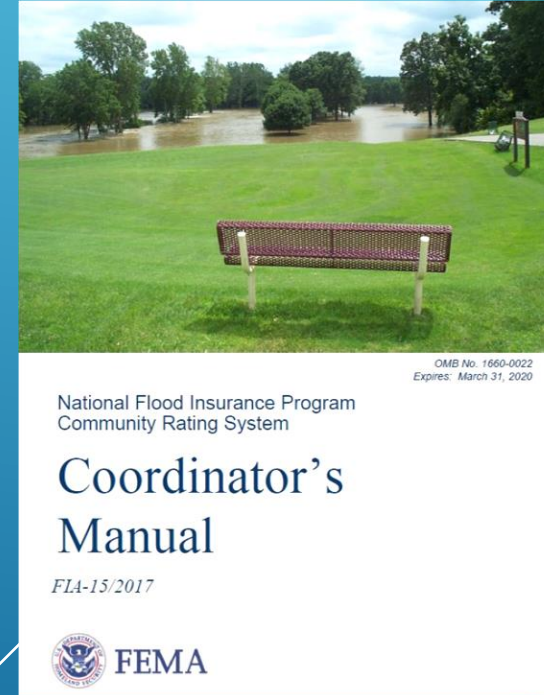


National Flood Insurance Program Community Rating System (CRS) Class 9 & Class 8 Prerequisites

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Overview

- **Class 9 Prerequisites**
 - Construction Certificate Management Procedures (CCMP)
 - Elevation Certificate (EC) Review
 - Recertification vs Cycle Verification
 - **Class 8 Prerequisites**
 - One Foot Freeboard (FRB) FAQs
- 
- A series of three parallel white diagonal lines are located in the bottom right corner of the slide, extending from the middle of the right edge towards the bottom left.

Class 9 Prerequisite

- Must maintain ECs on all new construction and SI/SD in the SFHA
- ECs must meet 90% accuracy
 - Recertification
 - Annual CC Review
- Must have written Construction Certificate Management Procedures (CCMP)

U.S. DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
National Flood Insurance Program

OMB No. 1660-0008
Expiration Date: November 30, 2022

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A - PROPERTY INFORMATION		FOR INSURANCE COMPANY USE
A1. Building Owner's Name		Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.		Company NAIC Number:
City	State	ZIP Code
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)		
A5. Latitude/Longitude: Lat. Long. Horizontal Datum: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983		
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.		
A7. Building Diagram Number		
A8. For a building with a crawlspace or enclosure(s):		
a) Square footage of crawlspace or enclosure(s) sq ft		
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade		
c) Total net area of flood openings in A8.b sq in		
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No		
A9. For a building with an attached garage:		
a) Square footage of attached garage sq ft		
b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade		
c) Total net area of flood openings in A9.b sq in		
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No		
SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION		
B1. NFIP Community Name & Community Number		B2. County Name
		B3. State
B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date
		B7. FIRM Panel Effective/Revised Date
		B8. Flood Zone(s)
		B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth)
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: <input type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source:		
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source:		
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input type="checkbox"/> No Designation Date: <input type="checkbox"/> CBRS <input type="checkbox"/> OPA		

FEMA Form 086-0-33 (12/19) Replaces all previous editions. Form Page 1 of 6

Construction Certificate Management Procedures (CCMP)

- **WHAT and WHEN are they required**
 - What's required: Floodproofing, Eng. Opening, V-Zone
 - When required: Before, During, After Construction
- **Which Department / Office**
 - Collects the certificate
 - Reviews the Certificate
- **How are**
 - Certificates corrected
 - Maintained
 - Made available to the inquirers



Activity 310 Credit

2017 CRS COORDINATORS MANUAL

EC = 38 points
ECPO = 48 points
ECPR = 30 points

2021 Addendum

**CCMP = 38 points
(Class 9 Prerequisite)**
EC = 0 points
ECPO = 48 points
ECPR = 30 points

Class 9 Prerequisite – What about ECs

2021 ADDENDUM

ECs REVIEWED FOR PREREQUISITE AND SCORING

**AT CYCLE TIME
EVERY 3 OR 5 YEARS**

**CCMP – 38 POINTS
CLASS 9 PREREQUISITE**

**Annual Recertification
or
Annual Construction Certificate Review**

**MUST MEET 90%
CLASS 9 PREREQUISITE
2 REVIEWS
REVIEW ALL ECS**

2021

• Class



NFIP's Co
Class 8 Fre

Frequently

New Prerequisite for Class 8

◆ On page 210-4, a new subsection is inserted:

211.b. Class 8 Prerequisites

- (1) The community must meet all the Class 9 prerequisites.
- (2) The community must adopt and enforce at least a 1-foot freeboard requirement (including machinery or equipment) for all residential buildings constructed, substantially improved, and/or reconstructed due to substantial damage throughout its SFHA where base flood elevations have been determined on its currently effective FIRM or in its Flood Insurance Study (FIS), except those areas that receive open space credit under Activity 420 (Open Space Preservation).

The Class 8 prerequisite can be met through the enforcement of local ordinances or building codes, and/or state building codes, provided the freeboard standard applies to all residential buildings, whether single-family, multi-family, or manufactured. This includes the replacement of manufactured homes in pre-FIRM manufactured home parks.

The ordinance or building code must require that machinery or equipment be elevated to at least 1 foot above the base flood elevation for buildings newly constructed, substantially improved, and/or reconstructed due to substantial damage. This requirement includes machinery and equipment placed within attached garages and/or within enclosures below elevated buildings, with the exception of utility meters and equipment specifically designed to withstand inundation according to the standards of the International Residential Codes and the NFIP. The Class 8 freeboard prerequisite will be met provided that attached garages and enclosures below elevated buildings meet the minimum requirements of the NFIP (elevated to the base flood elevation or having proper openings).

Communities that enforce an adopted freeboard standard that meets the Class 8 prerequisite will be provided with freeboard (element FRB) credit under Activity 430 (Higher Regulatory Standards). Credit will be evaluated at the next CRS verification visit or next modification.

Class 8 Prerequisite FAQs

Ensure Regulations state the following:

- Freeboard / Flood Protection Elevation = 1 foot
 - New Construction
 - Substantial Improvements / Substantial Damage;
 - ELEVATION of Machinery and Equipment (no Floodproofing);
 - Mobile Homes - Machinery & Equip. for Mobile Homes and Replacement of Mobile Homes - MUST INCLUDE ELEVATION TO FPE;
 - Attached Garages.

Class 8 Prerequisite FAQs

➤ Attached Garages..... Machinery & Equip:

16. May machinery and equipment be floodproofed instead of elevated to at least 1 foot above base flood elevation to meet the Class 8 freeboard prerequisite?

No. To meet the Class 8 prerequisite the building code or ordinance must require machinery or equipment to be elevated to at least 1 foot above the base flood elevation for buildings newly constructed, substantially improved, and/or reconstructed due to substantial damage. This requirement includes machinery and equipment placed within attached garages and/or within enclosures below elevated buildings, with the exception of utility meters and equipment specifically designed to withstand inundation according to the standards of the International Residential Codes and the NFIP. A community that allows floodproofing around machinery and equipment in lieu of elevation to the freeboard level does not meet the prerequisite.

17. Does the freeboard requirement for Class 8 apply to attached garages?

The Class 8 freeboard prerequisite will be met provided that attached garages and enclosures below elevated buildings meet the minimum requirements of the NFIP (elevated to the base flood elevation or having proper openings). As noted in question 16, all machinery and equipment in attached garages or in enclosures must be elevated to the freeboard level.

14. Does the Class 8 prerequisite include the replacement of manufactured homes in pre-FIRM manufactured home parks? And can the replaced manufactured home be 48 inches above grade to meet the Class 8 prerequisite?

The Class 8 freeboard prerequisite applies to all manufactured homes. All manufactured homes in numbered zones of the SFHA must have at least 1 foot of freeboard above the base flood elevation. This is consistent with the 2015 and 2018 International Residential Codes. A requirement that the manufactured home be 48 inches above grade is not by itself sufficient to meet the 1-foot freeboard requirement.

CLASS 8 PREREQUISITE FAQs

Protecting Buildings: All buildings located within a 100-year floodplain also known as an SFHA, shall be protected from flood damage below the flood protection elevation. However, existing buildings located within a regulatory floodway shall also meet the more restrictive appropriate use standards included in this article. This building protection criteria applies to the following situation:

Construction or placement of a new building;

Nonconforming structures may remain in use, but shall not be enlarged, replaced or structurally altered. A nonconforming structure damaged by flood, fire, wind or other manmade or natural disaster may be restored unless the damage exceeds fifty percent (50%), considered on a cumulative basis, of its market value. In which case, it must, thereafter, conform to this article;

Installing a manufactured home on a new site or a new manufactured home on an existing site. This building protection requirement does not apply to returning a mobile home to the same site it lawfully occupied before it was removed to avoid flood damage;

CLASS 8 PREREQUISITES - ILLINOIS

Manufactured homes shall be anchored to resist flotation, collapse, or lateral movement by being tied down in accordance with the rules and regulations for the Illinois mobile home tie down act issued pursuant to 77 Illinois administrative code. In addition, all manufactured homes shall meet the following elevation requirements:

- (1) In case of manufactured homes placed or substantially improved:
 - a) outside of manufactured home park or subdivision,
 - b) in a new manufactured home park or subdivision,
 - c) in an expansion to an existing manufactured home park or subdivision, or
 - d) in an existing manufactured home park or subdivision on which a manufactured home has incurred substantial damage from a flood, the top of the lowest floor shall be elevated to or above the flood protection elevation;
- (2) In the case of manufactured homes placed or substantially improved in an existing manufactured home park or subdivision, the manufactured home shall be elevated so that either:
 - a) the top of the lowest floor is above the base flood elevation or
 - b) the chassis is at least thirty six inches (36") in height above grade and supported by reinforced piers or other foundations of equivalent strength, whichever is less;

CLASS 8 PREREQUISITES - ILLINOIS

QUESTIONS?

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CRSResources.org

For more information on the CRS Program