Let the New EC Break Your Bad Habits:
Understanding the New Elevation Certificate

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• How to Complete the NEW FEMA Elevation Certificate Correctly for “Everyone”
Florida Elevation Certificate Training

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OVERVIEW

- How to Complete the Form
- Instructions to ‘Ignore’
- Common Errors
- Open Discussion/Q&A
- Contradictory Information

June 13, 2016
VERSIONS AND EXPIRATIONS

• Valid Expiration Date
  • At time of certification
• New Form
  • Expires November 30, 2018
• Old Form
  • Transition Period Through December 31, 2016
• Completed Form Never Expires
  • If valid at time certified

SECTION A

• A5 – Lat/Long
  • 4 ➔ 5 decimals
• A7
  • Diagram 2B
• A8.b) & A9.b)
  • Independent of BFE

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SECTION A
Attached Garage and Building Diagrams

• Which Diagram for Attached Garage?

• Where on Diagram is Attached Garage?
  • Not shown

Items C2.a-d Enter the building elevations (excluding the attached garage) indicated by the selected building diagram (Item A7) in Items C2.a-c. If there is an attached garage, enter the elevation for top of attached garage slab in Item C2.d. (Because elevation for top of attached garage slab is self-explanatory, attached garages are not illustrated in the diagrams.) If the building is located in a V zone on the FIRM.

SECTION B
FIRM INFORMATION

• Community Specific (What Community is the Property In?)
  • B1 – NFIP community name & number
  • B2 – County name
  • B3 – State
  • B6 – FIRM index date

• Property Specific (What Map Shows Flood Hazards for the Property?)
  • B4 – FIRM panel number (10 digits)
  • B5 – FIRM suffix (letter)
  • B7 – FIRM panel date
B7
EFFECTIVE OR REVISED?

• Effective
  • First maps
  • First countywide maps

• Revised
  • Any maps after

• Never a LOMR, LOMR-F or LOMA date

SECTION B – FIRM INFORMATION
Separate City and County FIRMs

Annexed
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

- B8 – Flood Zone
- FIRM based
- B9 – BFE
- Not necessarily FIRM based
- FIS
- Other Study
- 0.1’ accuracy
- Rounded whole number BFE \(\Rightarrow\) not an error for CRS
- Based on Current FIRM
- At time of certification, not construction
SECTION C

• C1 – Building Construction Status
  • Must be finished construction
  • All machinery, equipment and grading complete

• C2.e) Machinery/equipment
  • always required... 99.9% of the time
  • includes enclosed machinery
  • Section D Comments – type and location

BENCHMARK DATUM MAY NOT BE SAME AS BFE DATUM
WHO CAN COMPLETE AN EC

- Land Surveyor
- Engineer
- Architect

- Community Floodplain Manager
  - Must attach certified survey supporting elevations
  - Not recommended

- Individual Must be Authorized by Law!!
SECTION D
CERTIFICATION

• Copy Requirements
  • Community official
  • Insurance agent/company
  • Building owner

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

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 G

• G8 – As-Built Low Floor Elevation
  FROM C2

• G9 – BFE
  FROM B9

• G10 – Community DFE
  FROM ORDINANCE

• Datum in G8, G9, G10
  SAME AS B11
COMMON MISTAKES

- Blank Spaces
  - Enter “0” or “N/A”
  - “N/A” ≠ “I don’t know” or “I don’t understand”
- Address Header on Each Page
- Date of Certification Dictates:
  - Date of form
  - Section B FIRM information
- Comments
  - Survey related – Section D
  - Available at time of certification – Section D
  - Updated after certification – Section G
  - Attachments – Section D or Section G

MORE MISTAKES

- Photographs are Not Attachments
- Machinery Elevation/Comments Omitted
- Survey Datum Different from BFE Datum
- EC Completed Before Construction Finished
- Requiring New EC, Because ‘Old EC’ Has Expired
QUESTIONS?

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* P.E. in FL, AL, GA & SC