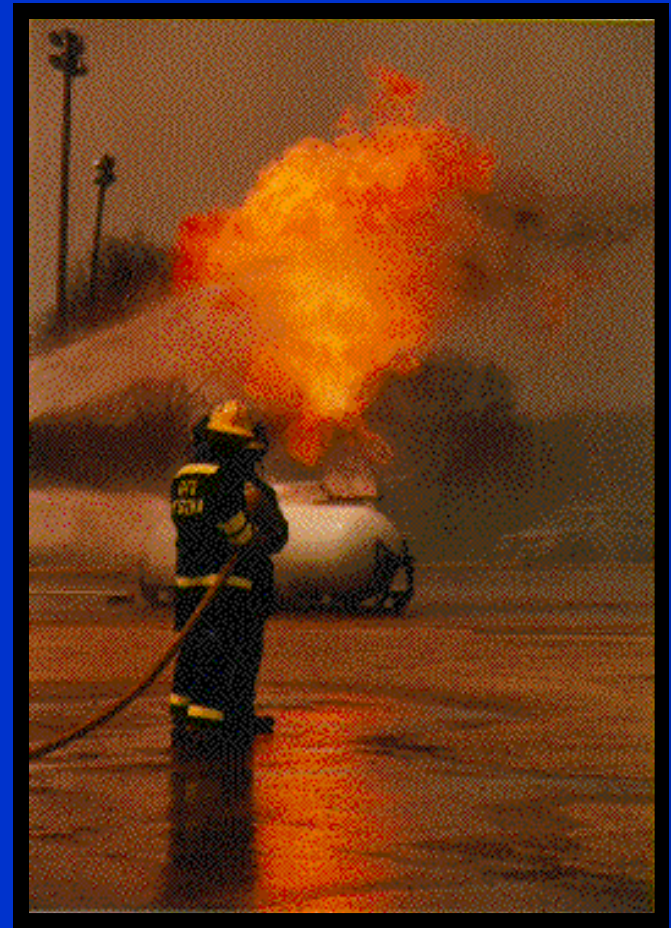


NFIRS 7 - HazMat Module



NFIRS 7 - HazMat Module

The Hazardous Materials Module is an optional module to be used as directed by your State or local authority.

When you see a star ★ the field is required.

NFIRS 7 - HazMat Module

This module is used to document a reportable HazMat incident:

- **When specialized HazMat resources were dispatched or used, or should have been dispatched or used, for assessing, mitigating, or managing the situation,**
- **Or, when releases or spills of hazardous materials exceed 55 gallons.**

A - Header Information




The image shows a header information form for NFIRS-7 HazMat. The form is labeled 'A' in the top left corner. It contains several fields for data entry, each with a star symbol below it indicating required information. The fields are: FDID (6 characters), State (2 characters), Incident Date (MM DD YYYY, 8 characters), Station (6 characters), Incident Number (10 characters), Exposure (6 characters), and Haz No. (4 characters). To the right of the Haz No. field are two checkboxes labeled 'Delete' and 'Change'. The text 'NFIRS-7 HazMat' is printed in a box on the right side of the form.

Header information is repeated on all modules.

In an automated system, this information is entered once and imported into all modules.

Hazmat Number - A separate sequential number assigned to each material. Begin with 01 and complete additional modules for multiple chemicals.

B - Hazmat ID


B	HazMat ID	<input type="text"/>	<input type="text"/>	<input type="text"/>	Chemical Name 	<input type="text"/>
		UN Number	DOT Hazard Classification	CAS Registration Number		

Used to identify specific Hazmats involved in the incident.

There are several different identification systems, but not all are needed to identify the Hazmat.

In an automated system, many elements are cross-referenced; entry of one may populate other fields.

B - UN Number

B	HazMat ID	UN Number	DOT Hazard Classification	CAS Registration Number	Chemical Name 	

4-digit number assigned to HazMat (using United Nations standards)

Found in a variety of sources:

North American Emergency Response Guidebook

Hazardous Materials Guide for First Responders

A single UN Number can be assigned to multiple materials.

B - DOT Hazard Classification


B	HazMat ID	<input type="text"/>	<input type="text"/>	<input type="text"/>	Chemical Name	<input type="text"/>
		UN Number	DOT Hazard Classification	CAS Registration Number	★	

Describes the primary hazard associated with various hazardous materials.

DOT Hazard Class and Division combined into a two digit code.

Does not identify a specific chemical - must be used with other identifier(s).

B - CAS Registration Number

B	HazMat ID	<input type="text"/>	<input type="text"/>	<input type="text"/>	Chemical Name 	<input type="text"/>
		UN Number	DOT Hazard Classification	CAS Registration Number		

Identification number assigned to a chemical by Chemical Abstract Service (CAS) of the Chemical Abstract Society.

Not all HazMats have an assigned CAS.

B - Chemical Name

B	HazMat ID	<input type="text"/>	<input type="text"/>	<input type="text"/>	Chemical	★	<input type="text"/>
	UN Number	DOT Hazard Classification	CAS Registration Number	Name			

Standard chemical or trade name by which the hazardous material is known.

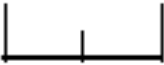
Products from different manufacturers with similar chemical ingredients may have different trade names.

C₁ - Container Type

C₁ Container Type None

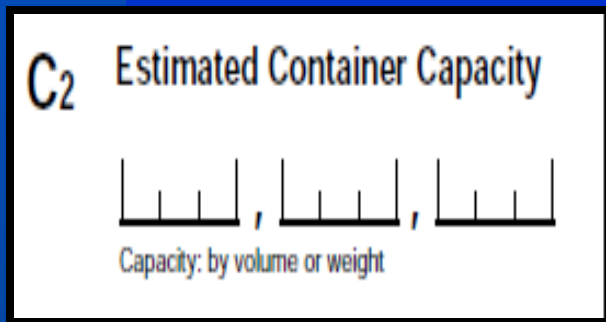
Container Type

More hazardous materials? Use additional sheets.



Identifies the type or configuration of the container, equipment, or facility used to transport and/or store the hazardous material.

C₂ - Estimated Container Capacity



The amount of material the container was designed to hold.

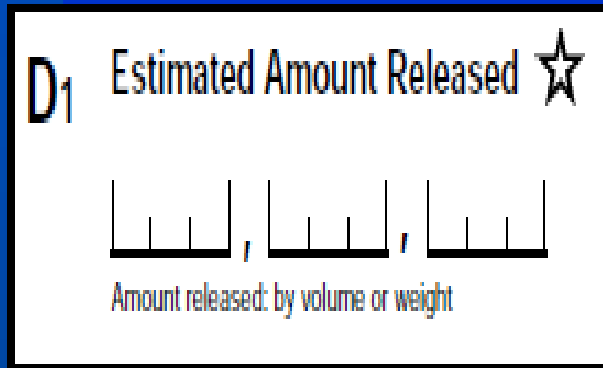
By volume or weight.

C₂ - Units: Capacity

C₃ Units: Capacity		Check one box	
VOLUME		WEIGHT	
11 <input type="checkbox"/>	Ounces	21 <input type="checkbox"/>	Ounces
12 <input type="checkbox"/>	Gallons	22 <input type="checkbox"/>	Pounds
13 <input type="checkbox"/>	Barrels: 42 gal.	23 <input type="checkbox"/>	Grams
14 <input type="checkbox"/>	Liters	24 <input type="checkbox"/>	Kilograms
15 <input type="checkbox"/>	Cubic feet	MICRO UNITS	
16 <input type="checkbox"/>	Cubic meters	_ _ Enter Code	

The unit of measure that defines, by volume or weight, the capacity of the hazardous materials container.

D_1 - Estimated Amount Released



The amount of material released from a container.

By volume or weight.

D₂ - Units: Released

D₂ Units: Released Check one box

VOLUME		WEIGHT	
11	<input type="checkbox"/> Ounces	21	<input type="checkbox"/> Ounces
12	<input type="checkbox"/> Gallons	22	<input type="checkbox"/> Pounds
13	<input type="checkbox"/> Barrels: 42 gal.	23	<input type="checkbox"/> Grams
14	<input type="checkbox"/> Liters	24	<input type="checkbox"/> Kilograms
15	<input type="checkbox"/> Cubic feet	MICRO UNITS	
16	<input type="checkbox"/> Cubic meters	<input type="text"/> Enter Code	

The unit of measure, by volume or weight, for the amount of the hazardous materials released from the container.

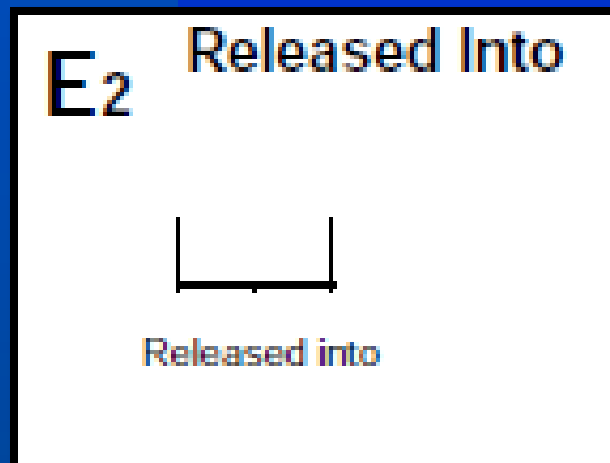
E_1 - Physical State When Released

E_1 Physical State When Released

- 1 Solid
- 2 Liquid
- 3 Gas
- U Undetermined

The physical
state of the
material during
release.

E₂ - Released Into



Describes the environment contaminated by the hazardous material after release (air, water, ground).

F₁ - Released From

F₁ Released From
Check all applicable boxes

Below grade

1 Inside/on structure
 |_|_|_| Story of release

2 Outside of structure

Identifies the physical location from which the HazMat was released.

F₂ - Population Density

F₂ Population Density

- 1 Urban
- 2 Suburban
- 3 Rural

General description of the population density in the area adjacent to the hazardous materials release.

G₁ - Area Affected

G₁ Area Affected

1 Square feet

2 Blocks

3 Square miles

,

Enter measurement

Indicates the amount of area or space directly affected by the hazardous material release.

G₂ - Area Evacuated

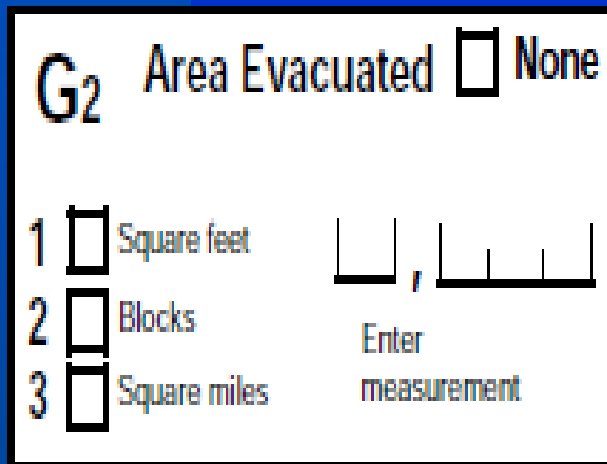
G₂ Area Evacuated None

1 Square feet

2 Blocks

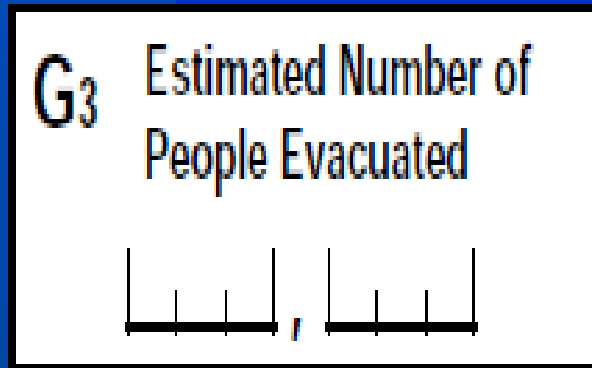
3 Square miles

Enter measurement



Identifies the measure and size of the area evacuated as a result of the hazardous materials release (or potential release).

G_3 - Estimated Number of People Evacuated




The estimated number of people evacuated as a result of the hazardous materials release (or potential release).

G₄ - Estimated Number of Buildings Evacuated

G₄ Estimated Number of Buildings Evacuated

None

The form contains a scale for estimating the number of buildings evacuated. The scale is represented by a horizontal line with five vertical tick marks. The first tick mark on the left is the tallest, and the subsequent four tick marks decrease in height from left to right. A comma is placed between the first and second tick marks. To the right of the scale is a checkbox labeled "None".

The estimated number of buildings evacuated as a result of the hazardous materials release (or potential release).

H - HazMat Actions Taken

H HazMat Actions Taken
Enter up to three actions taken

Primary action taken (1)

Additional action taken (2)

Additional action taken (3)

Only enter actions taken by fire service personnel specifically trained and equipped to mitigate the hazards which might arise.

I - Which Occurred First?

If fire or explosion is involved with a release, which occurred first?

- 1 Ignition U Undetermined
2 Release

If fire or explosion is involved with a release -- which occurred first?

J - Cause of Release

J	Cause of Release	☆
1	<input type="checkbox"/> Intentional	
2	<input type="checkbox"/> Unintentional release	
3	<input type="checkbox"/> Container/Containment failure	
4	<input type="checkbox"/> Act of nature	
5	<input type="checkbox"/> Cause under investigation	
U	<input type="checkbox"/> Cause undetermined after investigation	

Identifies the cause of the situation that created the release (or potential release) of a hazardous material.

K - Factors Contributing to Release

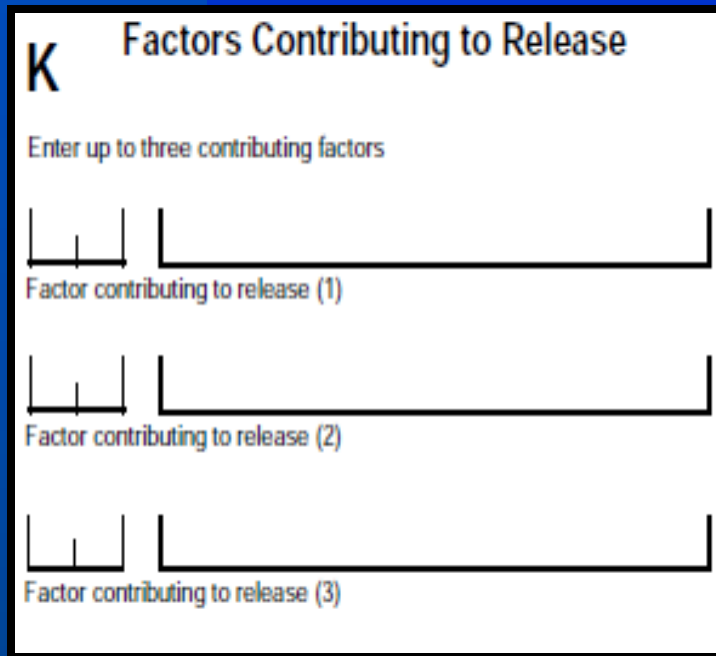
K Factors Contributing to Release

Enter up to three contributing factors

Factor contributing to release (1)

Factor contributing to release (2)

Factor contributing to release (3)



Identifies the factors present that contributed to the release (or potential release) of a hazardous material.

L - Factors Affecting Mitigation

L Factors Affecting Mitigation None

Enter up to three factors or impediments that affected the mitigation of the incident.

Factor or impediment (1)

Factor or impediment (2)

Factor or impediment (3)

Identifies factors present that affected management or mitigation of the release (or potential release) of a hazardous material.

M - Equipment Involved in Release

M Equipment Involved in Release None

Equipment involved in release

Brand

Model

Serial #

Year

Identifies equipment that failed or otherwise allowed the release (or potential release) of hazardous materials.

N - Mobile Property Involved in Release

N Mobile Property Involved in Release None

Mobile property type

Mobile property make

Model Year

License plate number State

DOT number/ ICC number

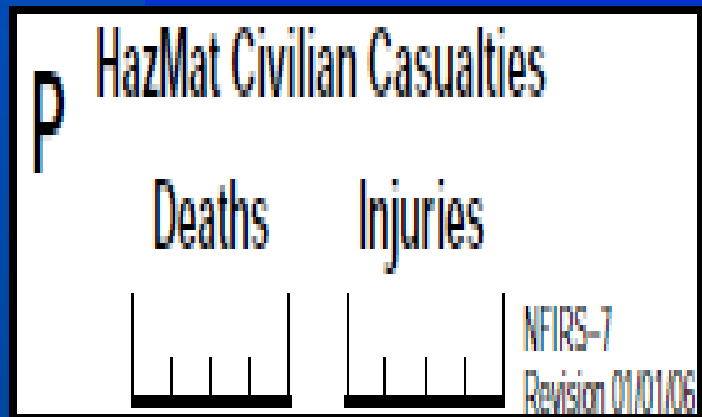
Identifies mobile property that failed or otherwise allowed the release (or potential release) of hazardous materials.

O - Hazmat Disposition

O	HazMat Disposition	☆
1	<input type="checkbox"/>	Completed by fire service only
2	<input type="checkbox"/>	Completed w/fire service present
3	<input type="checkbox"/>	Released to local agency
4	<input type="checkbox"/>	Released to county agency
5	<input type="checkbox"/>	Released to State agency
6	<input type="checkbox"/>	Released to Federal agency
7	<input type="checkbox"/>	Released to private agency
8	<input type="checkbox"/>	Released to property owner or manager

Identifies the individual or entity, if any, that assumes control of the incident from the fire department.

P - HazMat Civilian Casualties



The number of civilian injuries or deaths as a result of contact or exposure to the hazardous materials.

Questions?

