



## NFORS Exposure Module Data Elements (Personal Exposure Record)

This document describes the data elements to be collected following firefighter line of duty exposure to product with potential adverse health effects.

**Related Policy** = Firefighter Exposure Tracking - Mandatory/Non-Punitive

### Data Access Levels

Individual Firefighter (Personal) – ALL

Fire Department - TBD

National Dataset - TBD

### Color Code for Call Type

**RED** = FIRE

**BLUE** = EMS

**GREEN** = HAZMAT

### Firefighter Profile- (\*Ping to Update every 6 months)

- NFORS ID (Digits - encrypted) (\* Random assigned ID that stays with the individual for life)
- DOB (mm/dd/yyyy)
- Gender (M/F)
- Race/ Ethnicity
  - White (Caucasian)
  - Hispanic or Latino
  - African American
  - Asian
  - Native Hawaiian or Pacific Islander
  - Alaska Native
  - Other \_\_\_\_\_
- When did you begin your career in the fire service? (mm/yyyy)
- Shift Schedule
  - 24 hours on/24 hours off
  - 24 hours on/48 hours off
  - 24 hours on/72 hours off



- 48 hours on/96 hours off
  - 72 hours on/ 96 hours off
  - 10 hours on/14 hours off
  - 9 hours on/15 hours off
  - 12 hours on/12 hours off
  - 8 hours \* 5 days per week
  - 10 hours \* 4 days per week
  - Other (describe – txt box)
- Current Tobacco Use (Y/N)
    - If Y then (smoke / smokeless) (select all that apply)

### NFORS FDID (Department ID)

- **E1.1 Master NFORS FDID (same as C1.1)**

### Event (Incident) Type

- **E1.2 NFORS Unique Incident Number- (\*Optional for Outside Systems/Vendors)**
- **Event Type**
  - Fire**
  - EMS**
  - HazMat**
  - Rescue**
  - Other**
- **Were you asleep at time of alarm? (Y/N)**

### FIRE Exposure Details

- **What was Burning?**
  - Structure
    - Residential
    - Commercial
  - Contents
  - Vehicle
  - Trash (rubbish)
  - Wildland (Brush)
  - Other \_\_\_\_\_



- \*ADD to CAD module - Was foam used on this operation? Yes/No/Not sure
  - (If Yes) What type of foam was used?
    - AFFF (Polar, Chem Guard)
    - Purple K (Dry Chem)
    - Extinguisher Metal X ((dry Chem)
    - Extinguisher Purple X (Dry Chem)
    - Extinguisher B/C (Dry Chem)
  
- **Fire Conditions During Involvement**
  - No Smoke or Fire Showing
  - Smoke Showing
  - Fire Showing
  - Structure Fully involved
  - Fire Spread Beyond the Structure of Origin
  
- **Activity On Scene / Duration (min) / SCBA-ON AIR (Y/N) (\*ADD- select the list in the order you did the activity)**
  - 360 Degree Size up
  - Incident Command
  - Fire Attack/Fire Suppression
  - Apparatus Operator
  - Search/Rescue
  - Ventilation
  - Rapid Intervention Crew (RIC)
  - Laddering/Roof Operations
  - Laddering/Windows
  - Salvage
  - Overhaul
  - Staging Manager
  - Worked in Rehab
  - Safety Officer
  - Fire Watch (remain on scene after overhaul)
  - EMS on scene
  - EMS Transport
  - Hazmat
  - Fire Cause Investigation
  
- **Rehab on Scene**
  - During on scene operations, did you rehab? (Y/N)
    - If Yes
      - Did you clean your hands prior to eating/touching other body parts? (Y/N)



- Did you remove gear? (Y/N)
- Did you drink fluids? (Y/N)
  
- **Gear Status (Cleanliness)**
  - Were any components of your gear ensemble dirty BEFORE the response? (Y/N)
    - IF YES – select which ones
      - HELMET
      - HOOD (Shroud / Balaclava)
      - TURNOUT COAT
      - TURNOUT PANTS
      - GLOVES
      - BOOTS
      - SCBA
  
  - Were any components of your gear ensemble dirty AFTER the response? (Y/N)
    - IF YES – select which ones
      - HELMET
      - HOOD (Shroud / Balaclava)
      - TURNOUT COAT
      - TURNOUT PANTS
      - GLOVES
      - BOOTS
      - SCBA
  
- **After Fire - Dermal Exposure**
  - Was there Visible Soot on?
    - Face (Y/N)
    - Neck (Y/N)
    - Arms (Y/N)
    - Hands (Y/N)
    - Legs (Y/N)
  
- **On Scene Decontamination**
  - Hose / Brush Off Gear (Y/N)
  - Used soap and water (Y/N)
  - Bag turnout gear (Y/N)
  - Used Wet wipes (Y/N)
  - Did you clean your neck, face and other exposed body parts? (Y/N)
  
- How did your gear get back to the station?
  - ON my body
  - OFF my body but in the cab of apparatus – **BAGGED**



- OFF my body but in the cab of apparatus - **NOT BAGGED**
- In a compartment outside vehicle cab
- Dedicated transport vehicle
- Other (describe)
  
- **At Station Decontamination**
  - Did you clean your hands before eating or touching other body parts (Y/N)
  - Shower within an Hour (Y/N)
  - Wash Gear
    - Turnout Coat (Y/N)
    - Turnout Pants (Y/N)
    - Station wear (Y/N)
    - Helmet (Y/N)
    - Helmet liner/ear flaps (Y/N)
    - Hood (Shroud / Balaclava) (Y/N)
    - Gloves (Y/N)
    - SCBA Face Piece/ Mask (Y/N)
    - SCBA (Y/N)
  
  - Replace Hood (Shroud / Balaclava) (Y/N)
  - Replace gloves (Y/N)
  - Replace turnout gear (Use 2<sup>nd</sup> set) (Y/N)
  - None of the Above (\*Yes—or if N/N/N on questions above, then WHY?)
    - Why? [drop down selection]
      - Not policy
      - No back up gear
      - Did not have time
      - Gear did not look dirty
      - Other (txt box)
  
- Did you notice soot, black mucus, or black phlegm anywhere inside your nose or mouth following this response?
  - If yes, where: (Nose/Mouth)
  
- What color was your first urine after the assignment /call?
  - Urine scale (show color chart—have them pick one)
    - **Transparent yellow**
    - **Dark yellow**
    - **Amber or honey**



## EMS Exposure Details

### EMS Situation (from CAD)

- Medical
- Cardiac
- Trauma
- Other
  
- **Activity On Assignment/ Call**
  - Secure Scene
  - Patient Access
  - Patient Triage
  - Patient Care
  - Patient Handling
  - Patient Transport
  - Ambulance (Unit) Decontamination
  - Patient Transfer at Hospital (medical facility)
  - Other \_\_\_\_ (describe) \_\_\_\_
  
- Type of Exposure
  - Biological
    - Blood / Body Fluid Contact
      - Needle Stick /Sharp
      - Mucous Membrane
      - Intact Skin
      - Non-Intact Skin
    - Skin Infection
    - Airborne
    - Other
  - Chemical
    - Airborne
    - Skin contact
    - Other
  
- Protective Equipment Worn
  - Gloves (Y/N)
  - Eye Protection (Y/N)
  - Mask (Y/N)—if Yes then which one?
    - Air Purifying Respirator (APR)
    - Powered Air Purifying Respirator (PAPR)
    - Surgical N-95



- Surgical Non – N-95
- Other (Txt box)
- Fluid Resistant Clothing (Y/N)
  - Disposable (Y/N)
- **Gear Status (Cleanliness)**
  - Were any components of your gear ensemble dirty BEFORE the response? (Y/N)
    - IF YES – select which ones
      - HELMET
      - HOOD (Shroud / Balaclava)
      - TURNOUT COAT
      - TURNOUT PANTS
      - GLOVES
      - BOOTS
      - SCBA
  - Were any components of your gear ensemble dirty AFTER the response? (Y/N)
    - IF YES – select which ones
      - HELMET
      - HOOD (Shroud / Balaclava)
      - TURNOUT COAT
      - TURNOUT PANTS
      - GLOVES
      - BOOTS
      - SCBA



## HAZMAT Exposure Details

### Hazmat

- Situation
  - Large spill > 55 gallons
  - Small spill < 55 gallons
- UN ID number of material- name of Product (\*link to Select Placard)
- State of material
  - Vapor/gas
  - Dust
  - Heavy particulate
  - Heavy mist
  - Liquid
  - Combustible
  - Solid
  
  - Stable (Y/N)
- **Activity On Scene / Duration / SCBA (Y/N)**
  - 360 Degree Size Up
  - Incident Command
  - Apparatus Operator
  - Evacuation
  - Fire Suppression
  - Search/Rescue
  - Ventilation
  - Rapid Intervention Crew (RIC)
  - Containment
  - Clean Up
  - Staging Manager
  - Safety Officer
  - Worked in Rehab
  - Decontamination
  - EMS on scene
  - EMS transport
  - Investigation
  - Other \_\_\_\_\_
  
- Protective Equipment Worn (\*add info spots with abbreviated definitions found in this link)





[https://www.osha.gov/pls/oshaweb/owadisp.show\\_document?p\\_table=STANDARDS&p\\_id=9767](https://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9767)

- **Level A-** greatest level of skin, respiratory, and eye protection
- **Level B-** highest level of respiratory protection is necessary but a lesser level of skin protection
- **Level C-** concentration(s) and type(s) of airborne substance(s) is known and the criteria for using air purifying respirators are met
- **Level D-** work uniform affording minimal protection
  
- **Gear Status (Cleanliness)**
  - Were any components of your gear ensemble dirty BEFORE the response? (Y/N)
    - IF YES – select which ones
      - HELMET
      - HOOD (Shroud / Balaclava)
      - TURNOUT COAT
      - TURNOUT PANTS
      - GLOVES
      - BOOTS
      - SCBA
  
  - Were any components of your gear ensemble dirty AFTER the response? (Y/N)
    - IF YES – select which ones
      - HELMET
      - HOOD (Shroud / Balaclava)
      - TURNOUT COAT
      - TURNOUT PANTS
      - GLOVES
      - BOOTS
      - SCBA



## RESCUE Exposure Details

### Rescue Operations (type—From CAD)

- Elevator
- Rapid/ Swift Water
- Still Water
- Confined Space
- Trench
- Technical Rescue
- High Angle
- Low Angle
- Entrapment
- Other (txt box)
  
- **Activity On Scene / Duration (min) / SCBA (Y/N)**
  - 360 Degree Size up
  - Incident Command
  - Fire Attack/Fire Suppression
  - Apparatus Operator
  - Search/Rescue
  - Ventilation
  - Rapid Intervention Crew (RIC)
  - Staging Manager
  - Worked in Rehab
  - Safety Officer
  - EMS on scene
  - EMS Transport
  - Hazmat
  - Investigation
  
- **Gear Status (Cleanliness)**
  - Were any components of your gear ensemble dirty BEFORE the response? (Y/N)
    - IF YES – select which ones
      - HELMET
      - HOOD (Shroud / Balaclava)
      - TURNOUT COAT
      - TURNOUT PANTS
      - GLOVES
      - BOOTS
      - SCBA



- Were any components of your gear ensemble dirty AFTER the response? (Y/N)
  - IF YES – select which ones
    - HELMET
    - HOOD (Shroud / Balaclava)
    - TURNOUT COAT
    - TURNOUT PANTS
    - GLOVES
    - BOOTS
    - SCBA