



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 2nd 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
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 - 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

- **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

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 - 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
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 - 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