



## NFORS Data Elements

This document describes Date/Time based data elements that can be captured by NFORS CAD Module through a Fire Department's CAD or RMS system or via data warehouse link. Data captured are then presented in "live analytic dashboard" for Fire Department leader access.

### Color Code = Data Priority for the FireCARES System

**RED** = PRIORITY 1 (\*Must have data for FireCARES formulas)

**BLUE** = PRIORITY 2

**GREEN** = PRIORITY 3

### Call Intake

- **Day of the Week**
- **Hour of Day (2400)**
- **Weather Status (at dispatch) – (\*Connect to National Data)**
  - Temperature
  - Precipitation
  - Wind Speed
  - Wind Direction
  - Lightening
  - Humidity



## Event (Incident)

- **Unique Incident Number**
  - Real (Live)
  - Training
  
- **Event Type (Incident Type)**
  - **EMS**
    - Cardiac
    - Motor Vehicle Accident (MVA)
    - Other \_\_\_\_\_
  
  - **Fire Suppression (What was burning?)**
    - Structure
      - Low hazard
      - Medium hazard
        - Commercial
        - Residential
      - High hazard
        - Commercial
        - Residential
    - Contents
    - Outside
      - Vehicle
      - Trash (rubbish)
      - Wildland
      - Other \_\_\_\_\_
  
  - **Hazmat**
  - **Rescue**
    - Water
    - High angle
    - Confined space
    - Other \_\_\_\_\_
  
  - **Other**



## Dispatch Information

### Dispatch Detail -

- Dispatch Center ID Number
- PSAP/Fire Department Dispatch Notification Type
- Address – Street Address or Lat /Long
  - Previous response to address (Y/N)
- **\*IF FIRE then**
  - Fire Condition on Dispatch
    - No Smoke or Fire Showing
    - Smoke Showing
    - Fire Showing
    - Structure Fully involved
    - Fire Spread Beyond Structure

### Station and Apparatus/Vehicle Dispatch Information

- Response Zone (or Fire Box Alarm)
  - First Due
  - Second Due
  - Third Due
  - Fourth Due or greater
- First Due Response Delay (Y/N) (if Y then)
  - Reason
- Apparatus/Vehicle ID Number
- Station or Location ID Number
- Dispatch Location Address Line 1
- Dispatch Location Address Line 2
- Dispatch Location City
- Dispatch Location County
- Dispatch Location State
- Dispatch Location Zip Code
- Dispatch Location GPS



## Station, Apparatus/Vehicle, and Firefighter/Fire Officer Information

### Deployment

- Station ID Number
- Shift Working
  - A shift
  - B shift
  - C shift
  - D shift
  
- Firefighter/ Paramedic/ Fire Officer ID Number on each Vehicle

### Alarm Package Detail

- Response Alarm Package (ID Number or Name)
  - List of all companies dispatched in first alarm (first dispatch)
    - Vehicle/Apparatus ID Number
    - Apparatus / Vehicle Role
      - 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
  
- Mutual (or Auto) Aid Requested/Provided (Y/N)



## Response Information

### Apparatus/Vehicle Response Information (RESPONDING)

- Apparatus/Vehicle ID Number
- Response Destination Type
- Response Delay
- Complete Response Force Arrived on Scene Date/Time = (\*time of last unit arrival)
- Additional Units requested (Y/N) (If Y then)
  - Station ID Number
  - Vehicle/Apparatus ID Number
    - Apparatus Vehicle Type
      - Engine
      - Truck/Aerial
      - Quint
      - Tanker/Pumper Combination
      - Brush Truck
      - ARFF
      - Dozer /Plow
      - Tractor
      - Tanker/Tender
      - Aircraft fixed-wing
      - Helitanker
      - Helicopter
      - Aircraft (Other)
      - Fireboat with Pump
      - Boat no Pump
      - Marine Equipment (Other)
      - Breathing Apparatus Support
      - Light and Air Unit
      - Rescue Unit
      - USAR
      - High Angle Rescue
      - BLS
      - ALS
      - Mobile Command Post
      - Chief Officer
      - Hazmat Unit
      - Type I Hand Crew (Wildland)
      - Type II Hand Crew (Wildland)
      - Other Apparatus



- Support Unit
  
- Mutual (or Auto) Aid Requested Y/N (if Y then)
  - Station ID Number
  - Vehicle/Apparatus ID Number
    - Apparatus Vehicle Type
      - Engine
      - Truck/Aerial
      - Quint
      - Tanker/Pumper Combination
      - Brush Truck
      - ARFF
      - Dozer /Plow
      - Tractor
      - Tanker/Tender
      - Aircraft fixed-wing
      - Helitanker
      - Helicopter
      - Aircraft (Other)
      - Fireboat with Pump
      - Boat no Pump
      - Marine Equipment (Other)
      - Breathing Apparatus Support
      - Light and Air Unit
      - Rescue Unit
      - USAR
      - High Angle Rescue
      - BLS
      - ALS
      - Mobile Command Post
      - Chief Officer
      - Hazmat Unit
      - Type I Hand Crew (Wildland)
      - Type II Hand Crew (Wildland)
      - Other Apparatus
      - Support Unit



## IF FIRE - Then Fire Ground Operations

### Fire Condition on Arrival

- No Smoke or Fire Showing
- Smoke Showing
- Fire Showing
- Structure Fully involved
- Fire Spread Beyond Structure

### Attack Strategy

- Fire Attack Strategy
  - Defensive Fire Attack
  - Transitional Fire Attack
  - Offensive Fire Attack
  
- Fire Attack Started (Water on Fire) WOF Date/Time

### Hose Detail

- First Hose Line (Attack line) in Position (confirm/ location)
- Second (Back up) Hose Line in Position (confirm/location)
- Exposure Hose Line in Position (confirm/location)
- Other Hose Lines in Position (Location)

### Occupant Status

- Occupant Status (Known/Unknown)
  - **Known**
    - out or not
    - how many
    - where located
  - **Unknown**

### Fire Ground Operations Times

- Task Times
  - Establish Command
  - Size up (360-degree lap/ situation report)
    - Type of structure (Single Family, Multifamily, Other)
    - Construction Type
      - Type I = fire Resistive



- Type II = non combustible
- Type III = Ordinary
- Type IV – Heavy Timber
- Type V = Wood Frame (Light Weight)
- Unit Location - Side of structure
- Location of fire (Side A, B, C, D, E (center))
- Quadrant of fire (A, B, C, D,)
- Location of Fire Room (i.e. Kitchen, bedroom, etc..)
- PRIMARY water source type/ time engaged
  - Hydrant (location)
  - Tanker
  - Other
- Position Attack Line (side of structure/ floor)
- Establish 2 in/2 out
- Establish RIC/RIT
- Search Type
  - Primary Start Date/Time
  - Primary Completed Date/Time
  - Secondary Start Date/Time
  - Secondary Completed Date/Time
- Gain Access/Force Entry
- Water on Fire Time (Attack Line) Time water Flowing
- Sustained water source type/ time engaged
  - Hydrant (location) for secondary water supply
  - Tanker
  - Other
- Rescued Civilians
  - Where found
  - Physical Status (breathing/not breathing)
- Ground Ladders in place
- Ventilation task times
- Control Utilities
- Secondary Search Started/Completed
- Check for Extension Started/ completed
- Fire under control (knock on the fire) time
- Item first ignited
  - Object of origin
  - Room of origin (eg. Kitchen)





- **Fire Spread**

- Object of origin (eg. Food on the stove)
- Room of origin (eg. Held to kitchen)
- Floor of origin (eg. First floor extending to deck)
- Building (extending to attic) or (fire in basement extending to first floor)
- Beyond building of origin (to Exposures)

- **Number of Rooms (Structure)**

- Number of rooms
- Number of rooms damaged

- **Smoke Dectectors**

- Present (Y/N)
- Working (Y/N)

### **Suppression**

- Automatic Extinguishing System (building) (Y/N) If Y then...
  - Activated
  - Failed
- Initial Flow from Water Source Date/Time
- Water Flowing to Building Suppression System Date/Time
- Initial Suppressant Flowing on Fire Date/Time
- Additional Water Flowing to Fire Date/Time
- Established Uninterrupted Water Supply Date/Time

### **Ventilation (repeated by Ventilation Method)**

- Ventilation Method
- Ventilation Initiated Date/Time

### **Staging**

- Staging Established Date/Time
- Staging Discontinued Date/Time

### **Rehabilitation**

- Rehab Established Date/Time
- Rehab Discontinued Date/Time



### Special Call Resources (repeating by Special Call Resource Type i.e. building engineer)

- Special Call Resource Type
- Special Call Resource Arrival Date/Time

### Medical Group –

- Established – Date/Time
- Discontinued – Date/Time

### IF Mayday

- Mayday Alert Date/Time
- Activated by Self/Other
- Rapid Intervention Crew Deployed Date/Time
- Rapid Intervention Crew Structure Entry Date/Time
- Rapid Intervention Crew Structure Exit Date/Time
- Mayday Rescue Completed Date/Time
- Firefighter/ Officer ID
- Situation
  - Trapped in structure
  - Lost in structure
  - Incapacitated in structure
  - Outside structure



## IF EMS – EMS Operations

### EMS Operations

- Situation found (Chief Complaint)
- At patient side
- Working CPR (Y/N)
- Transporting
- At facility (hospital)

### Special Call Resources (repeating by Special Call Resource Type)

- Special Call Resource Type
- Special Call Resource Arrival Date/Time



## IF HAZMAT - HAZMAT Operations

### Hazmat Operations

- Situation found
  - Large spill > 55 gallons
  - Small spill < 55 gallons
- UN ID number of material- name of Product
- Hazard class (Label)
- Type of package/container
- Stable /non stable
- Technician Time of entry
- Technician Time of exit
- Civilian Rescue necessary (Y/N)
- Isolation zone established

### Staging

- Staging Established Date/Time
- Staging Discontinued Date/Time

### Decontamination

- Established Date/Time
- Discontinued Date/Time

### Special Call Resources (repeating by Special Call Resource Type)

- Special Call Resource Type
- Special Call Resource Arrival Date/Time



## IF RESCUE Operations

### Rescue Operations

- Situation found
- Civilian Rescue necessary (Y/N)

### Staging

- Staging Established Date/Time
- Staging Discontinued Date/Time

### Special Call Resources (repeating by Special Call Resource Type)

- Special Call Resource Type
- Special Call Resource Arrival Date/Time

## IF OTHER Operations

### OTHER Operations

- Situation found
- Civilian Rescue necessary (Y/N)

### Staging

- Staging Established Date/Time
- Staging Discontinued Date/Time

### Special Call Resources (repeating by Special Call Resource Type)

- Special Call Resource Type
- Special Call Resource Arrival Date/Time



## **ALL Operations (Time Stamps)**

### **IF FIRE - Dispatch Center Times**

- Building Alarm Activation Date/Time
- Building Alarm Answering Date/Time
- PSAP Notification Date/Time
- PSAP Answer Date/Time
- Fire Department Dispatch Notified Date/Time
- Building Alarm Verification Date/Time

### **IF FIRE - Dispatched Alarm Detail**

- Dispatch Alarm Level Type (Initial Dispatch)
- Dispatch Alarm Date/Time

### **ALL Call Types - Response Destination**

- Fire Box Alarm
- Response Destination Name
- Response Destination Address Line 1
- Response Destination Address Line 2
- Response Destination City
- Response Destination County
- Response Destination State
- Response Destination Zip Code
- Response Destination Phone Number
- Response Destination Census Tract
- Response Destination US National Grid Coordinates
- Response Destination GPS

### **ALL Call Types -Overall Response Package**

- Initial Units (initial Alarm) Dispatched Arrived Date/Time
- Complete Response Force (Initial Full Alarm) Arrived Date/Time

### **ALL Call Types - Response Times (Repeat for each Apparatus/Vehicle)**

- Apparatus/Vehicle ID Number
- First Due Apparatus/Vehicle (Yes/No)
- Unit Dispatch Notification Date/Time
- Dispatch Acknowledged Unit Notification Date/Time
- Unit En Route/Wheels Rolling Date/Time
- Unit Arrived on Scene Date/Time
- Unit Left Scene Date/Time
- Unit Back in Service (Available) Date/Time



### **IF STRUCTURE FIRE - Firefighter/Fire Officer Structure Check In (Accountability)**

- Firefighter/Fire Officer ID Number
- Structure Check In Date/Time
- Structure Check Out Date/Time
- **Completion of PAR Check Date/Time**

### **ALL Call Types - Command**

- Command Established Date/Time
  - Command Transferred Date/Time
- Apparatus/Vehicle ID Number in Command
- Situation Found
  - Fire
  - EMS
  - Hazmat
  - Rescue
  - Other