



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
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 - 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