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
  o A shift
  o B shift
  o C shift
  o D shift
• Firefighter/ Paramedic/ Fire Officer ID Number on each Vehicle

Alarm Package Detail
• Response Alarm Package (ID Number or Name)
  o List of all companies dispatched in first alarm (first dispatch)
    • Vehicle/Apparatus ID Number
    • Apparatus / Vehicle Role
      o 360 Degree Size up
      o Incident Command
      o Fire Attack/Fire Suppression
      o Apparatus Operator
      o Search/Rescue
      o Ventilation
      o Rapid Intervention Crew (RIC)
      o Laddering/Roof Operations
      o Laddering/Windows
      o Salvage
      o Overhaul
      o Staging Manager
      o Worked in Rehab
      o Safety Officer
      o Fire Watch (remain on scene after overhaul)
      o EMS on scene
      o EMS Transport
      o Hazmat
      o 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)
  o Station ID Number
  o 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
  o Object of origin (eg. Food on the stove)
  o Room of origin (eg. Held to kitchen)
  o Floor of origin (eg. First floor extending to deck)
  o Building (extending to attic) or (fire in basement extending to first floor)
  o Beyond building of origin (to Exposures)

• Number of Rooms (Structure)
  o Number of rooms
  o Number of rooms damaged

• Smoke Detectors
  o Present (Y/N)
  o Working (Y/N)

Suppression
• Automatic Extinguishing System (building) (Y/N) If Y then…
  o Activated
  o 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
    o Trapped in structure
    o Lost in structure
    o Incapacitated in structure
    o 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