**NENA Emergency Incident Object Document (EIDO) Information Document**



NENA/APCO Emergency Incident Object Document (EIDO) Information Document NENA/APCO-INF-005.x

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Prepared by:

National Emergency Number Association (NENA) EIDO JSON Working Group.

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## NENA

## INFORMATION DOCUMENT

**NOTICE**

This Information Document (INF) is published by the National Emergency Number Association (NENA) and the Association of Public-Safety Communications Officials (APCO) as an information source for the designers, manufacturers, administrators and operators of systems to be utilized for the purpose of electronically sharing emergency incident information. Furthermore, this document is intended to be used by subject matter experts (SMEs) to develop the EIDO JSON schema and associated artifacts, as well as information to be used by system manufacturers to understand the components associated with the EIDO incident information sharing standard. It is not intended to provide complete design specifications or parameters or to assure the quality of performance for systems that process such equipment or services.

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The NENA/APCO EIDO Working Group has developed this document. Recommendations for change to this document may be submitted to:

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The National Emergency Number Association (NENA) and the NENA Agency Systems Committee developed this document.

NENA recognizes the following industry experts and their employers for their contributions to the development of this document.

NENA Executive Board Approval Date: xx/xx/20xx

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This working group also thanks ….

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# Executive Overview

There are many Functional Elements (FEs) within an NG9-1-1 system that are used to process emergency calls. Some of these FEs may be within a specific agency, in another agency or elsewhere in an Emergency Services IP Network (ESInet). In many cases, an emergency call is related to, or results in the creation of an “incident” as defined in NENA-STA-010[[1]](#_bookmark12). As public safety communication center personnel process emergency calls for service and their associated incidents, new information about the incidents is obtained. There are many sources available to communication center personnel for obtaining new incident information during call handling, incident creation, dispatch, incident monitoring, and post incident analysis processes. Newly gathered information, as well as changes in incident status, must often be passed on to other FEs, other involved agencies, and frequently to non- emergency entities authorized to receive emergency incident information. As agencies and regions move forward with implementing NG9-1-1 and IP based emergency communications systems, it is critical that they adhere to a standardized, industry neutral format for exchanging emergency incident

information between disparate manufacturer’s systems located within one or more public safety agencies, and with other incident stakeholders.

The goal of the NENA/APCO Emergency Incident Data Document (EIDO) working group is to initiate the process of creating a National Information Exchange Model (NIEM) conformant, American National Standard (ANS) that will be used to share emergency incident information between and among authorized entities and systems. This document is the first step toward achieving that goal. The content of this document provides the audience with the recommended list of data components, their relationships to each other, the data elements contained within each data component, and where applicable the registries that control the available values for appropriate data elements. This list of data components and data elements, along with their identified attributes and allowable values, when finalized, will become the basis for the NIEM-conformant Information Exchange Package Document (IEPD) ANS, along with its JSON schema and associated artifacts. This version of the document is being provided as an introduction to the required incident components but is not inclusive of the final NIEM-conformant JSON schema that will be brought forth for approval as an EIDO IEPD ANS.

# Introduction

The final EIDO IEPD ANS will define the specific incident elements, their attributes, allowable values, and data structures in a NIEM-conformant JSON schema and associated documents and files (artifacts). The FEs exchanging the data defined in the EIDO may be physically or virtually connected to each other. The FEs may belong to one or more disparate manufacturer’s systems located within the same public safety agency or within different agencies.

Figure 2.1 displays the logical organization of the different data components that comprise the EIDO. It provides an overview of how EIDOs will be structured. This diagram may change during the transition of the initial data components and data elements contained in this document to a NIEM-conformant JSON schema and IEPD.

EIDD Header

* Incident

Tracking ID

Split/Merge Information

Alarm/Sensor

Agency Information

* Agency ID

Link Information

Notes

Agent Information

* Agent ID

Call Information

* Call Identifier

Incident Information

Responder Information

Dispatch Information

Additional Data About a Caller

Location Information Includes Incident and Other locations

Person

In

(Caller, Victispect, etc.)

Vehicle Information

Disposition Information

Updated Call Back Number

Additional Data Associated with a Location

Figure 2.1 EIDO Structure

## Operations Impacts Summary

A standardized format for electronically exchanging emergency incident information will provide stakeholders with many operational benefits. These benefits are similar to those realized when agencies implement a local or regional “CAD to CAD” exchange. Use of the EIDO at a national, regional, and local level and within communication centers themselves is critical to the implementation of NG9-1-1

(i3) compliant systems [[1]](#_bookmark12) .

## Technical Impacts Summary

As with the implementation of any technical standard, the final EIDO will have significant impact. Initially, all FE’s involved in the exchange of emergency incident information (e.g. call handling, logging, dispatch, etc.) will need to be modified to comply with EIDO transactions. Minimal impacts are expected on the ESInet or other E9-1-1 IP based networks however they will need to be compatible with the EIDO structure in order to carry EIDOs from one FE to another.

## Security Impacts Summary

EIDOs carry confidential information and they must be transmitted over secure transports such as TLS protected TCP, and only to/from i3 authenticated FEs and systems [[1]](#_bookmark12) . EIDOs accessible to authenticated FEs and other systems must have their contents filtered to contain only data authorized to be transmitted to those systems by the data owner's policy. Furthermore, FEs and systems that pass EIDOs or their contents along to other FEs and systems must filter those EIDO instances based on the authentication of the receiving FEs and other systems to contain only data authorized to be transmitted to those FEs and systems by the data owner's policy.

## Document Terminology

The terms "shall", "must", "mandatory", and "required" are used throughout this document to indicate normative requirements and to differentiate from those parameters that are recommendations.

Recommendations are identified by the words "should", "may", "desirable" or "preferable".

## Reason for Issue/Reissue

NENA/APCO reserves the right to modify this document. Upon revision, the reason(s) will be provided in the table below.

|  |  |  |
| --- | --- | --- |
| **Doc #** | **Approval Date** | **Reason For Changes** |
| NENA/APCO-INF-005 | XX/XX/2013 | Initial Document |
| NENA-INF-005.x |  | XML to JSON |

## Recommendation for Additional Development Work

A NIEM IEPD ANS must be developed based on this document. A protocol must be specified to exchange EIDOs between FEs and other systems within and between agencies on an ESInet. Queries for EIDOs and appropriate responses must be developed in order to support NG9-1-1 related functions and capabilities. Future versions may expand the EIDO to include new data components and data elements, provide additional allowable registry values, or modified to support additional emergency incident related exchanges such as the transfer of a patient's medical diagnostics, administered procedures, and medical status between transporting ambulances and receiving hospitals.

## Date Compliance

All systems that are associated with the 9-1-1 process shall be designed and engineered to ensure that no detrimental, or other noticeable impact of any kind, will occur as a result of a date/time change up to 30 years subsequent to the manufacture of the system. This shall include embedded application(s), computer-based or any other type application.

## Anticipated Timeline

Once finalized, the EIDO data components contained within this document must be modified as required by NIEM subject matter experts to create the NIEM-conformant data elements, JSON schema and IEPD. APCO, which is recognized by the American National Standards Institute (ANSI) as a standards development organization (SDO) will then take the resulting NIEM IEPD through the ANS process.

The resulting EIDO IEPD ANS will be available through both APCO and NENA. Target completion of the process is the 1st quarter of 2014.

## Costs Factors

Significant consideration was given to the cost impact of proposing yet another “change” to 9-1-1 stakeholders. Standardizing the format of incident information exchange, however, is critical for NG9- 1-1’s true potential to be realized [[1]](#_bookmark12) . Absent this standard, incident information data exchanges will continue to rely on limited, proprietary implementations that are costly and offer limited capability to share incident information both within and between communication centers.

It should be noted that implementation of the EIDO IEPD ANS, as well as most NG9-1-1 systems, may require updates to existing public safety systems resident at communication centers.

## Cost Recovery Considerations

Normal business practices shall be assumed to be the cost recovery mechanism.

## Additional Impacts (non-cost related)

The information or requirements contained in this document are not expected to have additional impacts, based on the analysis of the authoring group.

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Please address the information to:

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## Acronyms/Abbreviations, Terms and Definitions

Some acronyms/abbreviations used in this document have not yet been included in the NENA or APCO master glossaries. After initial approval of this document, they will be included. See NENA 00-001 - NENA Master Glossary of 9-1-1 Terminology [[5]](#_bookmark13) located on the [NENA web site](http://www.nena.org/) for a complete listing of terms used in NENA documents. All acronyms used in this document are listed below, along with any new or updated terms and definitions.

|  |  |  |
| --- | --- | --- |
| The following Acronyms are used in this document: | | |
| Acronym | Description | \*\* N)ew (U)pdate |
| ANS | American National Standard |  |
| ANSI | American National Standards Institute |  |
| CAD | Computer Aided Dispatch | N |
| CSAA | Central Station Alarm Association | N |
| EIDO | Emergency Incident Data Object | N |
| ESInet | Emergency Services IP Network |  |
| FE | Functional Element |  |
| IEPD | Information Exchange Package Document |  |
| IMR | Interactive Media Response |  |
| NIEM | National Information Exchange Model |  |
| SIP | Session Initiation Protocol |  |
| TBD | To Be Developed |  |
| TCP | Transmission Control Protocol |  |
| TLS | Transport Layer Security |  |
| URL | Uniform Resource Locator |  |

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| The following Terms and Definitions are used in this document: | | |
| Term | Definition | \*\* N)ew  (U)pdate |
| Emergency Incident Data Object (EIDO) | A standard format and content definition for exchanging emergency incident related data. | N |
| Information Exchange Package Document (IEPD) | In NIEM, an IEPD, or exchange specification, is a collection of mutually supportive artifacts (including JSON schema) that define the content of a specific information exchange. |  |

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| The following Terms and Definitions are used in this document: | | |
| Term | Definition | \*\* N)ew  (U)pdate |
| Report Number | A number associated with an emergency incident that once generated indicates that a follow up report or investigation will be associated with the incident. May also be known as: case number, fire incident number, department report numbers and other variations depending on the types of service agencies involved and local customs. Typically, the report number is sequential within a year and also identifies the agency for which it is issued. Within an agency, the report number is globally unique. More than one report number may be associated with a single incident. |  |

## Document Organization

Chapter 3 (Data Associated with an Emergency Incident) identifies the data elements associated with an emergency incident grouped into various data components. The initial (heading) section of each data component contains the following information blocks:

* + - Data Component – the name of the data component (e.g., EIDO Header, Agency Information, etc.)
    - Data Component Use – Identifies whether the data component is required or optional in EIDO instances.
    - Min – the minimum occurrences of the data component allowed in EIDO instances.
    - Max – the maximum occurrences of the data component allowed in EIDO instances.

Child Of: Identifies the potential parents of which a data component can be a child. See the parent component to determine the relationship between the child and parent.

* + - Data Component Description – a general description of the purpose and contents of the data component.

The above information blocks are followed by a table that identifies the data elements included in the data components. Note that entire data components are included as a complex data element within their parent data component. In this case, the description identifies it as a complex data element (data component) and defines the relationship between the two data components.

The following information is included for each data element:

* + - Data Element – Descriptive name of the data element.
    - Use – identifies whether the data elements are required, optional or conditional. Data elements that are conditional describe the conditions when they are required and when they are optional. Required data elements can exist within optional data components. Required data

elements of an optional data component are only required if the data component is included in an EIDO instance. For example, not all EIDO instances will contain a Dispatch Information data component since sufficient information to dispatch emergency resources to the incident are not yet available or assigned resource statuses have not changed. However, if an EIDO instance contains a Dispatch Information data component, that data component must always contain the "Incident Type–Common" data element.

* + - Min – the minimum occurrences of the data element that may be included in an EIDO that includes the data component.[1](#_bookmark0)
    - Max – the maximum occurrences of the data element that may be included in an EIDO that includes the data component.1
    - JSON Name – Recommended JSON Name to be assigned to the data element in the EIDO NIEM- conformant JSON schema.
    - Description – a general description of the data element. For complex data elements (data components), the description identifies the relationship between the two data components.
    - Reason for Need – the reason for including the data element in the EIDO

Chapter 4 (Recommended Reading and References) includes sources and references that can be used to obtain additional information about related NENA and APCO standards, NIEM, and global justice terminology and standards.

Chapter 5 (EIDO Registries) identifies registries that define the domain of values that must be used for specific EIDO elements.

1 The minimum and Maxs for a data element are different than the minimum and Maxs of the data component in which the data element is contained. For example, there may be multiple instances of a Dispatch Information data component (fire and police agencies responded to a single incident). However, each of the Dispatch Information data components can only contain one Dispatched Agency ID.

# Data Associated with an Emergency Incident2

## EIDO Header Data Component

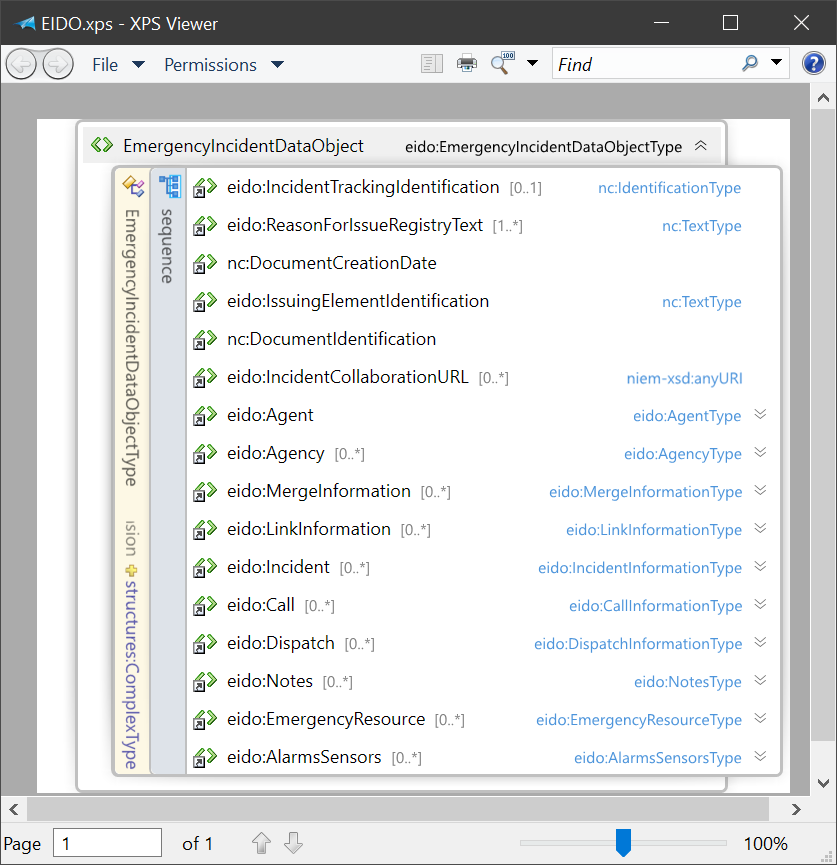
**Data Component Use**: Required component

## Min: 1

**Max:** 1

**Child Of:** None

**Data Component Description:** This Data Component must always be present. Only one EIDO Header is permitted within a single EIDO. The EIDO Header identifies key information about the emergency incident.



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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** | |
| Incident Tracking Identification | Conditional: required if referencing an active incident3 | 0 | 1 | IncidentTracking Identification | An identifier assigned by the first element in the ESInet. The form of an Incident Tracking Identifier is defined in NENA-STA-010[[1]](#_bookmark12) .  Incident Tracking Identifiers are globally unique and are associated with a single emergency incident. The Incident Tracking Identifier can be associated with one or more emergency calls. It is carried through to any incident resulting from an emergency call. It  may or may not be the same as the local incident ID. | |
| **Reason for Need:** | Needed in order to be able to assign data contained within an EIDO to the globally unique identifier representing  the emergency incident about which an EIDO is created. | | | | |
|  | | | | | |

1. NENA-STA-010[1] will include text to handle the case of sending the EIDO by reference or value in a transferred SIP call.
2. An Incident Tracking Identifier is normally a required field since it must be included when exchanging information about real world emergency events. However, the Incident Tracking Identifier may be omitted in order to support non-incident related data exchanges such as supporting the exchange of emergency resource status and location updates.

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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| Reason for Issue | Required | 1 | \* | ReasonForIssue | One or more members of a registry identifying why the EIDO is being sent: New Call, Incident Update, Incident Merged, Incident Closed, Emergency Resources Dispatched, etc. see Sec[tion 5.1](#_bookmark14), below, for the registry description. |
| **Reason for Need:** | Explain why the EIDO was created and sent. | | | | |
|  | | | | | |
| Document Creation Date | Required | 1 | 1 | DocumentCreation Date | Date and time that the EIDO was generated. Must be in the ISO8601 timestamp format as specified in NENA08-003[1]. |
| **Reason for Need:** | To indicate the date and time that the EIDO was generated and to enable chronological sorting of EIDOs. | | | | |
|  | | | | | |
| Issuing Element Identification | Required | 1 | 1 | IssuingElement Identification | An identifier in the format of <name@owning\_agency> as defined in NENA-STA-010[[1]](#_bookmark12) . |
| **Reason for Need:** | To identify the element (as defined in 08-003[1]) that created the EIDO. | | | | |
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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| Sequence Number | Required | 1 | 1 | SequenceNumber | Each EIDO generated by a functional element for a unique incident tracking identifier is assigned a sequence number. The sequence number is incremented and an EIDO created and sent when the state of the incident as perceived by the issuing functional element changes. |
| **Reason for Need:** | To insure that systems are able to determine whether they received all of the requested EIDOs for an incident. | | | | |
|  | | | | | |
| Incident Collaboration URL | Optional | 0 | \* | Incident  CollaborationURL | URL reference to multi-media collaboration information associated with the Incident. |
| **Reason for Need:** | To be able to associate multi-media collaboration sessions with an incident. | | | | |
|  | | | | | |
| Agent | Required | 1 | 1 | Agent | Complex data element (Data Component). Identifies the agent and agency that created the EIDO. |
| **Reason for Need:** | To identify the agent and agency that created the EIDO. | | | | |
|  | | | | | |
| Agency | Optional | 0 | \* | Agency | Complex data element (Data Component). that contains ownership information for the incident associated with the Incident Tracking Identifier contained in this data component.  Note to transfer ownership, two or more instances of this data component are required one for relinquishing and at least one more to  indicate the agencies to which ownership will |

|  |  |  |  |  |  |
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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
|  |  |  |  |  | be transferred. |
| **Reason for Need:** | To identify the agency that controls/owns the incident. | | | | |
|  | | | | | |
| Merge Information | Optional | 0 | \* | Merge  InformationData | Complex data element (Data Component). Contains merge and split information related to the incident. |
| **Reason for Need:** | To identify other incidents that are being merged with or split from this incident. | | | | |
|  | | | | | |
| Link Information | Optional | 0 | \* | LinkInformation | Complex data element (Data Component). Contains link information related to the incident. |
| **Reason for Need:** | To identify other incidents that are linked with this incident. | | | | |
|  | | | | | |
| Incident Information | Optional | 0 | \* | Incident | Complex data element (Data Component). Contains general information about the incident. |
| **Reason for Need:** | To be able to exchange basic incident information. | | | | |
|  | | | | | |
| Call Information | Optional | 0 | \* | Call | Complex data element (Data Component). Contains information about calls associated with the incident. |
| **Reason for Need:** | To be able to exchange information about calls associated with the incident. | | | | |
|  | | | | | |
| Dispatch Information | Optional | 0 | \* | Dispatch | Complex data element (Data Component). Contains dispatch information related to the |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
|  |  |  |  |  | incident. |
| **Reason for Need:** | To be able to exchange dispatch information related to the incident. | | | | |
|  | | | | | |
| Notes Information | Optional | 0 | \* | Notes | Complex data element (Data Component). Contains incident notes and comments associated with the incident. |
| **Reason for Need:** | To be able to exchange notes and comments related to the incident. | | | | |
|  | | | | | |
| Emergency Resource | Optional | 0 | \* | Emergency  Resource | Complex data element (Data Component). Identifies changes to the incident that were entered directly by emergency responders. |
| **Reason for Need:** | To be able to exchange changes about the incident that were entered directly by emergency responders. | | | | |
|  | | | | | |
| Alarms/Sensors | Optional | 0 | \* | AlarmsSensor | Complex data element (Data Component). Identifies Alarms/Sensors associated with the incident. |
| **Reason for Need:** | To be able to exchange changes about the incident that were entered directly by emergency responders. | | | | |

## Agent Information Data Component

**Data Component Use**: Required Component

## Minimum Number: 1

**Minimum Number:** \*

**Child Of:** EIDO Header, Call Information, Link Information, Split/Merge Information, Alarm/Sensor, Notes, Dispatch Information, Incident Information, and Responder Information

**Data Component Description:** This Data Component contains information about agents (e.g., call takers, dispatchers, supervisors, responders, etc.) and automated systems acting as agents that are involved in the incident. There may be multiple Agent Information data components in the case where both a call taker and dispatcher are involved in an incident, where multiple dispatch agencies are associated with the same incident, and similar situations.

Rarely, as in the case of automatically dispatched responses, the agent may be an automaton (automated system) such as an Interactive Media Response (IMR). Automatons that are actively involved in an incident or call must be assigned an Agent ID that follows the i3 naming conventions (see NENA-STA-010[[1]](#_bookmark12) for more information).

Every EIDO must include at least one instance of this data component in order to identify the Agent creating the EIDO.

A screenshot of a social media post

Description automatically generated

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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | | **Description** |
| Agent Identification | Required | 1 | 1 | AgentIdentification | | Each agent has an identifier that is globally unique. Each agency must provide a method for assigning identifiers (and public key credentials) to an agent. The Agent may be a person or an automaton such as an IMR.  For more information on naming conventions see NENA-STA-010[[1]](#_bookmark12) .  Example: [tom.jones@psap.allegheny.pa.us](mailto:tom.jones@psap.allegheny.pa.us)  [imr101@psap.allegheny.pa.us](mailto:imr101@psap.allegheny.pa.us) |
| **Reason for Need:** | To identify the agent creating the EIDO and agents that contributed data to one or more data components  included in an EIDO. | | | | | |
| Agent Workstation Position Identification | Conditional: Required if incident is active, optional  otherwise | 0 | 1 | AgentWorkstation Position  Identification | The workstation position ID within the agency of the agent or device. In the format of  position@agencyid  Example[: position12@psap.allegheny.pa.us.](mailto:position12@psap.allegheny.pa.us) | |
| **Reason for Need:** | Identifies the position of the agent or device. | | | | | |
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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
|  | | | | | |
| Agent or Device Role | Required | 1 | 1 | AgentorDevice  RoleRegistryText | The Role of the Agent or device – dispatcher, call taker, responder, IMR etc. In the case that the agent is an emergency responder, this data element indicates the agent's role in the responding unit (driver, passenger, etc.).  The acceptable roles are defined in a registry in NENA-STA-010[[1]](#_bookmark12) . A method for expanding the registry or creating new registries to handle non-9-1-1 roles (e.g., emergency responder roles) needs to be defined. |
| **Reason for Need:** | To identify the role of Agents involved in the incident. | | | | |
|  | | | | | |
| Agency  Information | Conditional:  Required if this is the agent in the EIDO Header, Optional otherwise. | 0 | 1 | Agency | Complex data element (Data Component).  Identifies the agency employing or contracting with the agent that performed the action associated with the parent data component and the agency's role in the incident. |
| **Reason for Need:** | To identify the agent's agency and its role in the incident. | | | | | |
|  | | | | | |

## Agency Information Data Component

**Data Component Use**: Optional component

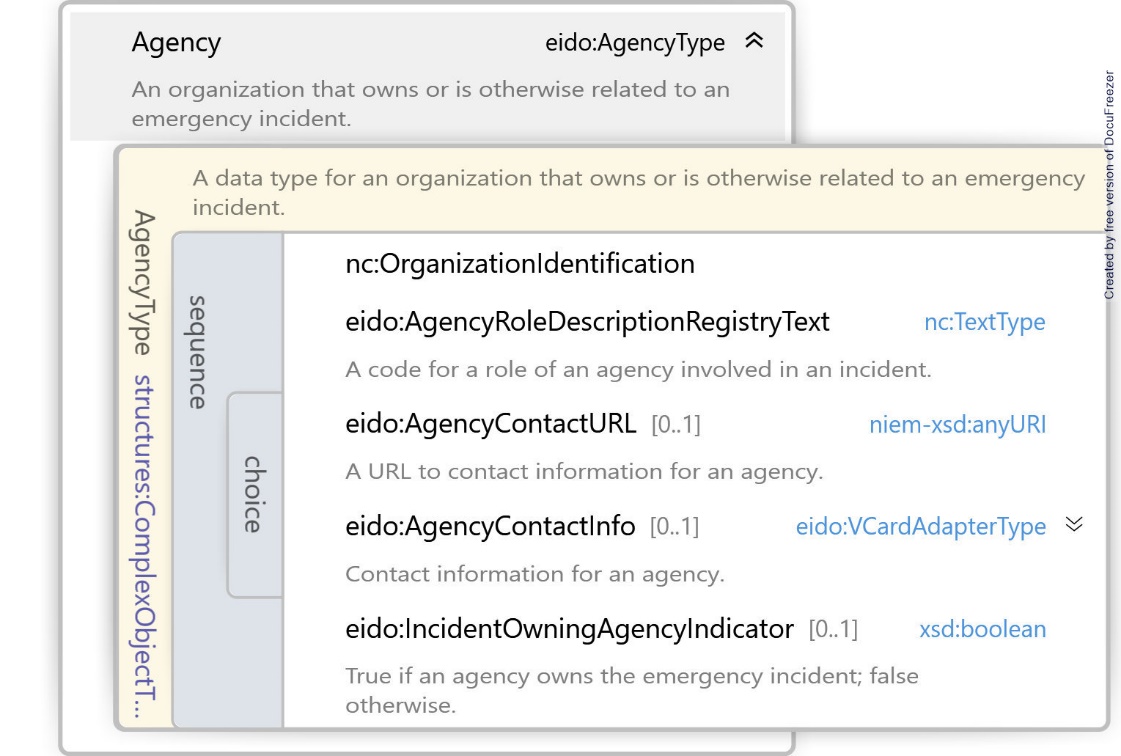
## Minimum Number: 1

**Maximum Number:** \*

**Child Of:** Agent Information and EIDO Header Information

**Data Component Description:** Every EIDO will include at least one instance of this data component in the agent component of the EIDO header in order to identify the Agency creating the EIDO.

Many incidents have one owner, a specific agency. Sometimes, ownership changes from one owner to another. In some jurisdictions, there can be more than one owner. Normally, ownership is passed from the current owner to another, but there are circumstances where ownership is unclear, and ownership must be claimed. The Agency Information data component provides a mechanism for establishing the agency that owns the incident associated with the incident tracking ID contained in the EIDO Header data component or for removing current ownership from that incident.



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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | | **Description** | |
| Agency ID | Required | 1 | 1 | OrganizationIdentification | Agency Identifier. This includes private and public providers. Agencies are globally unique. See NENA-STA-010 Agency Identifier section for the format and requirements [[1]](#_bookmark12) . | | |
| **Reason for Need:** | To identify the agency creating the EIDO and the agencies employing agents involved in the incident, or to track  incident ownership. | | | | | | |
|  | | | | | | | |
| Agency Role | Required | 1 | 1 | AgencyRoleDescription  RegistryText | The role of the agency in relation to the incident. Valid roles are available in an EIDO  registry and include: Dispatching, Dispatched, CallReceiving, and TransferredTo. See Section [5.2](#_bookmark15), below, for the registry description. | | |
| **Reason for Need:** | To indicate the role of the agency in the incident. | | | | | |
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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| ~~Agency Type~~ | ~~Required~~ | ~~1~~ | ~~\*~~ | ~~AgencyType~~ | ~~One or more members of a list of available provider and agency types including: Law Enforcement, Fire, EMS, Consolidated Dispatch, Ambulance Company, etc.~~  ~~Agency Types are defined in the IANA SOS- SubServices registry~~ ~~[7]~~~~.4~~ |
| **~~Reason for Need:~~** | ~~To Identify the type of agency and/or emergency service provider.~~ | | | | |
|  | | | | | |
| Agency Contact Information URL | Conditional: should not be populated if the data element below (Agency Contact Information) contains data | 0 | 1 | AgencyContactURL | The URL is a link to contact information for the agency and is normally available in the agency locator database. Note, that vCard data obtained from the Agency locator database must be mapped to an equivalent NIEM- conformant data format.  A vCard data component may have to be created to carry these fields if one does not already exist in NIEM.  This is a complex data component containing several data elements (official agency name, phone number, location, etc.). |
| **Reason for Need:** | To enable retrieval of agency contact information. | | | | | |
|  | | | | | | |

1. Once an Agency locator is available, this element may no longer be required. Agency Locator Service will be defined in NENA-STA-010 version 2[1]. This data element should be deleted when NENA-STA-010 V2 [1] is approved and includes the agency locator information.

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| --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| Agency Contact Information | Conditional: should not be populated if the data element above (Agency Contact Information URL)  contains data | 0 | 1 | AgencyContactInfo | If the Agency contact information is by value these fields contain the information.  A vCard data component may have to be created if one does not already exist in NIEM to carry these fields.  This is a complex data component containing several data elements (official agency name, phone number, location, etc.) |
| **Reason for Need:** | To enable the exchange of agency contact information that was manually entered or previously dereferenced. | | | | |
|  | | | | | |
| Owning Agency | Optional | 0 | 1 | IncidentOwningAgencyIndicator | Boolean data element that, if true, indicates that the agency associated with the Agency ID contained in this data component owns; or, if false does not own, the incident associated with the incident tracking ID in the EIDO Header data component. Once set to true, it should only be set to false by the agency that originally set it true. |
| **Reason for Need:** | To enable the exchange and update of incident ownership information. | | | | |

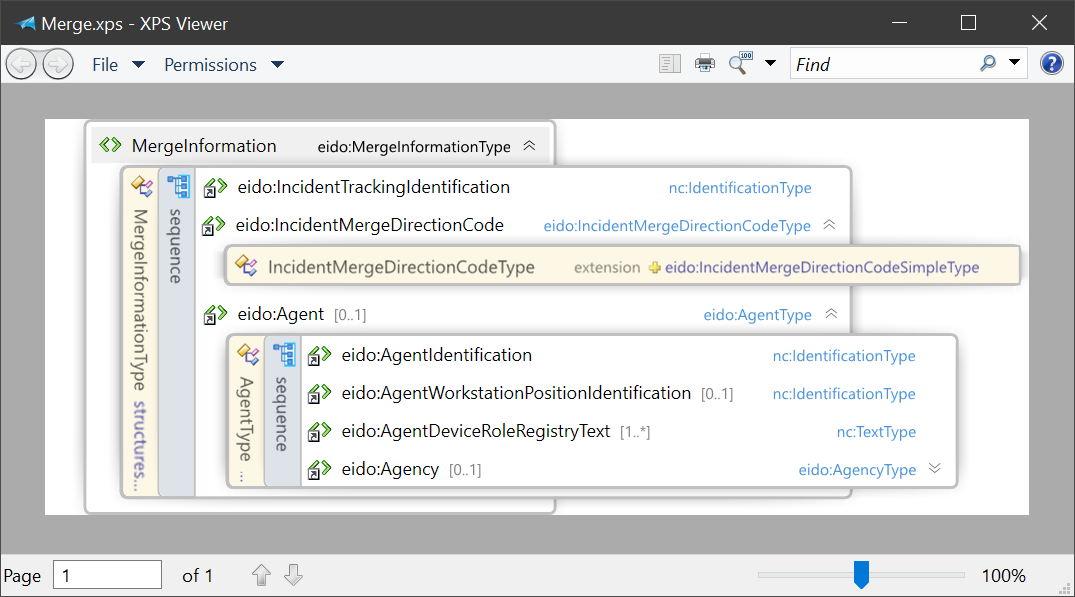
* 1. **Split/Merge Information Data Component Data Component Use**: Optional Component

## Minimum: 0

**Maximum:** \*

**Child Of:** EIDO Header

**Data Component Description:** An optional data component that is used to indicate the existence of a merged Incident Tracking ID or to split an incident. The presence of a Split/Merge Information data component indicates that another Incident Tracking ID has been merged with or is being split from the Incident Tracking ID contained in the EIDO header5.



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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| Incident Tracking Identification | Required | 1 | 1 | IncidentTracking Identification | The Incident Tracking Identification of the incident that is being merged with, or split from the incident represented by the Incident Tracking Identifion contained in the EIDO Header. See Incident Split/Merge Indicator to determine the direction of the merge/split. |
| **Reason for Need:** | To identify the Incident Tracking Identifier that is being merged or split. | | | | |
|  | | | | | |
| Incident Split/Merge Direction Indicator | Required | 1 | 1 | IncidentMerge  DirectionIndicator | The direction of the merge/split –  If the value of the Split/Merge Indicator is:  - “REPLACED” the Incident Tracking Identifier in this data component contains the old Incident Tracking Identifier, Only applies to a merge operation.  -“REPLACING” the Incident Tracking Identifier in this data component contains the new incident Tracking Identifier. Only applies to a merge operation.  - “Split” The Incident Tracking Identifier contained in this data component is split from the Incident Tracking Identifier contained in the EIDO Header data component. The other data components contained in the EIDO contain the data elements of the split incident. |
|  | | | | | |

1. More information on the merge process is available in the incident subsection of the PSAP section of 08-003 version 2[1].

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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| Agent Information | Optional | 0 | 1 | Agent | Complex data element (Data Component). Identifies the agent and agency that completed the merge/split operation. Defaults to the Agent Information included in the EIDO header, if this data component is not present. |
| **Reason for Need:** | To identify the agent and agency that performed the merge or split operation. | | | | |
|  | | | | | |

## Link Information Data Component

**Data Component Use**: Optional Component

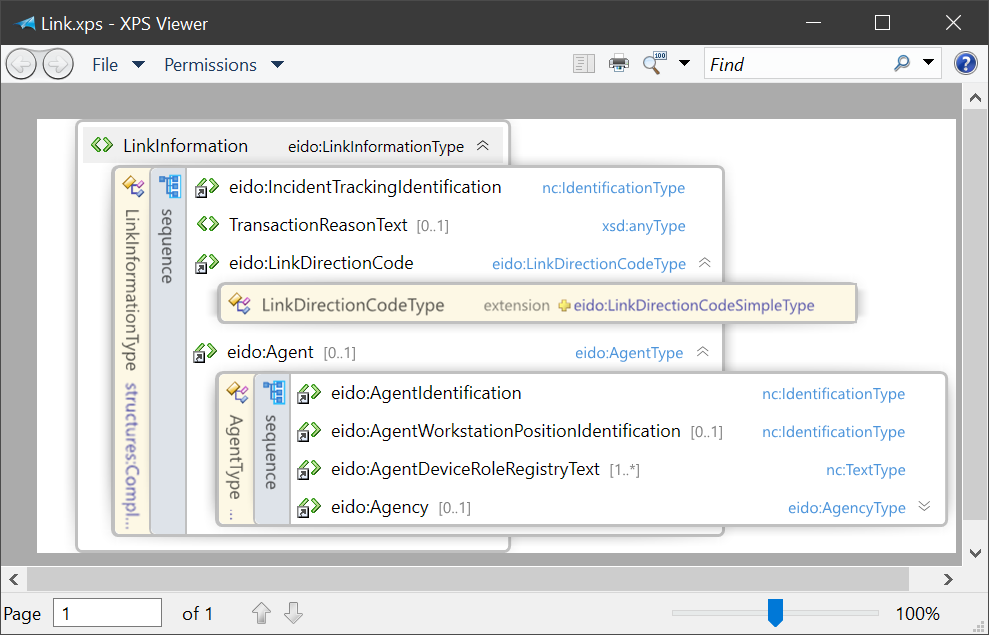
**Minimum:** 0

**Maximum:** \*

**Child Of:** EIDO Header

**Data Component Description:** An optional data component that is used to indicate the existence of linked calls and incidents. A Link data component indicates that an incident has been linked to the Incident Tracking Identifier in the EIDO header. Incidents are linked when it is determined that while they are separate incidents, they are related in some way. When a link is declared, both Incident Tracking Identifiers continue to be used to track the individual incidents.

Incidents may be linked in a hierarchical relationship. For more information on hierarchal incidents see the Incident Tracking Identifier section of NENA-STA-010[[1]](#_bookmark12) .



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| --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| Incident Tracking Identification | Required | 1 | 1 | IncidentTrackingIdentification | The Incident Tracking Identification of the incident that is being linked to the incident represented by the Incident Tracking Identifier contained in the EIDO Header. The nature of the link is defined by the link Indicator, below. |
| **Reason for Need:** | To identify the incident being linked. | | | | |
|  | | | | | |
| Reason for Action | Optional | 0 | 1 | TransactionReasonText | Free format narrative description of the reason for the link. |
| **Reason for Need:** | To provide additional information about the link. | | | | |
|  | | | | | |
| Link Indicator | Required | 1 | 1 | LinkIndicator | The direction of the link –  If the value of the Link Indicator is:  - “Parent” The Incident Tracking Identifier contained in this data component is the parent of the Incident Tracking Identifier contained in the EIDD header.  - “Child” The Incident Tracking Identifier contained in this data component is the child of the Incident Tracking Identifier in the EIDD header.  - “Related” The Incident Tracking Identifier contained in this data component is related to the Incident Tracking Identifier in the EIDD header, without any parent-child relationship.  - “UnLink” The Incident Tracking Identifier contained in this data component is unlinked from the Incident Tracking Identifier contained in the EIDD Header data component. |
| **Reason for Need:** | Identify the nature of the link. | | | | |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
|  | | | | | |
| Agent Information | Optional | 0 | 1 | Agent | Complex data element (Data Component). Identifies the agent and agency that completed the merge/split operation. Defaults to the Agent Information included in the EIDO header, if this data component is not present. |
| **Reason for Need:** | To identify the agent and agency that performed the link operation. | | | | |
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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| Link Direction Indicator | Required | 1 | 1 | LinkDirectionIndicator | The direction of the link –  If the value of the Link Indicator is:   * “Parent” The Incident Tracking Identifier contained in this data component is the parent of the Incident Tracking Identifier contained in the EIDO header. * “Child” The Incident Tracking Identifier contained in this data component is the child of the Incident Tracking Identifier in the EIDO header. * “Related” The Incident Tracking Identifier contained in this data component is related to the Incident Tracking Identifier in the EIDO header, without any parent-child relationship. * “UnLink” The Incident Tracking Identifier contained in this data component is unlinked from the Incident Tracking Identifier contained in the EIDO Header data component. |
| **Reason for Need:** | Identify the nature of the link. | | | | |
|  | | | | | |
| Agent Information | Optional | 0 | 1 | Agent | Complex data element (Data Component). Identifies the agent and agency that completed the merge/split operation. Defaults to the Agent Information included in the EIDO header, if this data component is not present. |
| **Reason for Need:** | To identify the agent and agency that performed the link operation. | | | | |

## Incident Information Data Component

**Data Component Use:** Optional Component

**Minimum:** 0

**Maximum:** \*

**Child Of:** EIDO Header

**Data Component Description:** The Incident Information data component is optional and is used to exchange general information about emergency incidents gathered by emergency agents, emergency responders, from reporting parties (callers), and devices reporting emergency incidents. There may be multiple Incident Information data components in situations where multiple agencies are involved in the same incident, when separate incidents have been merged into a single incident, and when multiple agencies maintain different representations of a common incident. For example, fire and police agencies responding to the same incident may have different versions of the Incident Information data components for the incident. Each agency's version of the Incident Information data component contains information that is relevant to their agency but may also contain shared information that is common to both agencies.

This module is used to exchange incident update information, as well as for exchanging initial incident creation information. For example, in high priority incidents only partial information may be exchanged between call takers and dispatchers (i.e., the incident’s type and location) while additional information is being collected. This data component is used for the initial, high priority exchange and the subsequent exchange containing the additional information collected after the initial exchange was completed. When multiple callers report a single incident, this data component is used to update involved agents and responders about new information gathered from the other callers.

The Incident Information Data Component is also used to exchange general incident information developed during dispatch operations. Call takers, Dispatchers, Emergency Resources, and Emergency Devices can enter information exchanged/carried by this data component.

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Description automatically generated

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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| Incident General Category Code | Optional | 0 | 1 | IncidentGeneralCategoryCode |  |
| **Reason for Need:** |  | | | | |
|  | | | | | |
| Incident General Category Text | Optional | 0 | 1 | IncidentGeneralCategoryText |  |
| **Reason for Need:** |  | | | | |
|  | | | | | |
| Incident Type– Common | Required | 1 | 1 | IncidentTypeCommonRegistryText | Incident type code that is available in the EIDO Registries (see Sec[tion 5.3](#_bookmark16), below, for the registry description) and that most closely corresponds to the Incident Type internal code. APCO has developed an ANS set of globally unique common incident type codes (APCO ANS 2.103.1-2012), which form the  basis for this registry. |
| **Reason for Need:** | To provide a globally understood Incident Type. Each Agency should maintain a mapping of its Internal Incident Types (IncidentTypeInternal) to the list of Common Incident Types (IncidentTypeCommon). The Common Incident Type should be selected from this mapping when the EIDO is created to identify the incident type using  a common code that is globally understood. | | | | |
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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| Incident Status - Internal | Optional | 0 | \* | IncidentStatusInternalText | An alphanumeric code indicating the status of the incident (active, closed, structure cleared, etc.). This is the internal code used by the  local agencies involved in the incident. | |
| **Reason for Need:** | To identify the incident statuses used by involved local systems that are more specific or different from the  common incident statuses described below. | | | | | |
|  | | | | | | |
| Incident Status Common | Optional | 0 | \* | IncidentStatusCommonRegistry  Text | Incident status code that is available in the EIDO Registries (see Section [5.4](#_bookmark17), below, for the registry description) and that most closely corresponds to the Incident Status-Internal.  Typically used to track significant changes in an incident’s status. | |
| **Reason for Need:** | To provide globally understood incident statuses. Each Agency should maintain a mapping of its internal incident status (IncidentStatusInternal) to the list of common incident status (IncidentStatusCommon). The  common incident status should be selected from this mapping when an EIDO is created to identify the incident status using a common code that is globally understood. | | | | | |
|  | | | | | | |
| Identification ID | Optional | 0 | 1 | IdentificationID | The Internal incident ID as an alphanumeric string assigned by the agency involved in the  incident. |
| **Reason for Need:** | To exchange incident information between systems using the same internal Incident IDs. Maintained for  conformance with legacy systems. | | | | |
|  | | | | | |
| Document Creation Date | Required | 1 | 1 | DocumentCreationDate | Date and time of when the incident was created or updated. Must be in the ISO8601 timestamp format as specified in NENA08- 003[[1]](#_bookmark12) . |
| **Reason for Need:** | To provide a chronology of when the incident was created and updated. | | | | |
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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** | |
| Agent Information | Optional | 0 | 1 | Agent | | Complex data element (Data Component). Identifies the agent (could be either an agent in a communication center or an emergency responder) that entered information contained in this data component. Defaults to the Agent Information included in the EIDO header, if this data component is not present. | |
| **Reason for Need:** | To identify the agent and agency that entered the information contained in this data component. | | | | | | |
|  | | | | | | | |
| Location Information | Optional  (Required if available) | 0 | \* | Location | | Complex data element (Data Component). Contains incident location information entered or updated by an agent receiving a call associated with the incident. | |
| **Reason for Need:** | To exchange incident location information entered or updated by an agent receiving a call associated with the  incident. | | | | | | |
|  | | | | | | | |
| Person Information | Optional | 0 | \* | Person | | Complex data element (Data Component). Contains person information entered or updated by an agent receiving a call associated with the incident. | |
| **Reason for Need:** | To exchange person information entered or updated by an agent receiving a call associated with the incident. | | | | | | |
|  | | | | | | | |
| Vehicle Information | Optional | 0 | \* | Vehicle | | Complex data element (Data Component). Contains vehicle information entered or updated by an agent receiving a call associated with the incident. | |

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| **Data Element** | | **Use (required, optional,**  **conditional)** | | **Min** | **Max** | **JSON Name** | **Description** |
| **Reason for Need:** | To exchange vehicle information entered or updated by an agent receiving a call associated with the incident. | | | | | | |
|  | | | | | | | |
| Document Identification | Optional | | 0 | | \* | Document Identification | The Document Identification connects the incident to one or more associated follow-up reports and investigations. Each responding agency may have its own Document Identification. |
| **Reason for Need:** | To be able to associate the incident with follow-up reports and investigations completed by responding agencies.  Also used by agency supervisor and other personnel to track the status of reports. | | | | | | |
|  | | | | | | | |
| Report Number Type | Conditional: If Report Number is present Report Number Type must  be present | | 0 | | 1 | ReportNumberType | Report number type codes that are available in the EIDO Registries (see Section [5.7](#_bookmark20), below, for the registry description); may be New or Reopened. |
| **Reason for Need:** | To allow the receiving agency to determine if the Report Number is a new report or a reopened report number. | | | | | | |
|  | | | | | | | |
| Incident Priority - Internal | Optional | | 0 | | 1 | IncidentPriorityInternaltext | Priority of the incident as alphanumeric text for the agency being dispatched. This value may only be meaningful to the agency providing the information and other closely cooperating agencies. Note, that different responding agencies may assign different priorities to same incident; for example, a high priority fire incident may be a medium priority law enforcement incident. |
| **Reason for Need:** | To rank the relative priority of incidents from most to least critical. | | | | | | |
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| **Data Element** | | **Use (required, optional,**  **conditional)** | | **Min** | **Max** | **JSON Name** | **Description** |
| Incident Priority - Common | Optional | | 0 | | 1 | IncidentCommonPriorityNumber | Globally understood numeric incident priority that ranges from 0 to 10, with 10 being the highest priority and 0 being the lowest priority. The Local Priority, described above, should be mapped to this (Common Priority) data element so that all involved and interested agencies can determine the relative priority of the incident. |
| **Reason for Need:** | To be able to globally exchange the relative priority of incidents from most to least critical. | | | | | | |
|  | | | | | | | |
| Beat or Dispatch group | Optional | | 0 | | 1 | BeatOrDispatchGroupText | The beat or dispatch group that contains the incident. Note that each agency involved in the incident may have its own beat or dispatch group. |
| **Reason for Need:** | To track the beat/dispatch group in which the incident is located. | | | | | | |
|  | | | | | | | |
| Disposition Information | Optional | | 0 | | \* | Disposition | Complex data element (Data Component). Contains incident disposition information  entered or updated by a dispatch agent and/or an emergency responder. |
| **Reason for Need:** | To exchange incident disposition information entered or updated by a dispatch agent and/or an emergency  responder. | | | | | | |
|  | | | | | | | |

## Call Information Data Component

**Data Component Use:** Optional Component

**Minimum:** 0

**Maximum:** \*

**Child Of:** EIDO Header

**Data Component Description:** The Call Information data component is optional and is used to exchange call information about the incident received and collected by the agent identified in this data component. There can be more than one call about an incident, and thus more than one instance of this data component can be in an EIDO. Some of the information in this data component is contained in the call, some is additional data associated with the call (additional data associated with a caller, additional data associated with a call, and additional data associated with a location), and other information is collected by the agent. This component should also be used to exchange incident information provided by emergency responders reporting an incident through radio communications.

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Description automatically generated

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| --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| Call Identifier | Required | 1 | 1 | CallIdentifier | Identifies one of the calls associated with this incident.  The Call identifier is automatically created by the first ESRP in the first ESInet that handles a call. Call Identifiers are globally unique and are only valid for a specific call. For incidents that are created without a call identifier (radio, MCT initiated, etc.), the unique call identifier must be created by the system that populated  this data component in conformance with 08- 003. |
| **Reason for Need:** | To associate one or more calls with an incident tracking ID and/or to identify the call from which additional information was obtained and to indicate a call upon which action is taken. | | | | |
|  | | | | | |
| Call Origination | Required | 1 | 1 | CallTypeDescriptionRegistryText | Call origination designation from the available call origination values in the EIDO Registries (see Sec[tion 5.5,](#_bookmark18) below, for the registry description); i.e., Emergency Call, Field Initiated, etc. |
| **Reason for Need:** | To indicate the type of communications that initiated the incident. | | | | |
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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | | **JSON Name** | | **Description** |
| Additional Data Associated with a Call | Conditional: should not be populated if the data element below (Additional Data Associated with a Call)  contains data | 0 | \* | | AdditionalData | | Additional information about a call received that is involved in or related to the incident. There may be multiple data providers for one call.  Additional Information is defined in NENA 71-001. |
| **Reason for Need:** | To allow the dereferencing of additional information associated with a call involved in or related to the incident. | | | | | | |
|  | | | | | | | |
| Activity Date Range | Required | 1 | | 1 | | ActivityDateRange | Date and time stamp of when the call was received and ended by the agency creating the EIDO. Must be in the ISO8601 timestamp format as specified in NENA08-003[[1]](#_bookmark12) . |
| **Reason for Need:** | To allow the call chronology determination. | | | | | | |
|  | | | | | | | |
| Call Status | Required | 1 | 1 | | CallStatusRegistryText | | Current call status (when the EIDO was created) from the available call statuses in the EIDO Registries (see section [5.6](#_bookmark19), below, for the registry description); i.e., Received, Active, Disconnected, Transferred, Terminated Normally, etc. |
| **Reason for Need:** | To be able to indicate the current state/status of the call. | | | | | | |
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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| URL to media associated with the call | Optional | 0 | \* | CallMediaURL | Location where media associated with the call (images, streaming video, streaming audio, etc.) is available. |
| **Reason for Need:** | To be able to indicate the location where media associated with a call can be found. | | | | |
|  | | | | | |
| URL to device call back information | Optional | 0 | 1 | DeviceCallBack  InformationURL | Information that enables agents and responders to reach (call back) the device that initiated the call. |
| **Reason for Need:** | To be able to indicate how agents and responders can contact the device that initiated the call. Note, that this  information is only guaranteed to be valid during the call and for a few minutes after it ends. | | | | |
|  | | | | | |
| Agent Information | Optional | 0 | 1 | Agent | Complex data element (Data Component). Identifies the agent and agency that received the call described in this data component and/or entered additional information related to the received call. Defaults to the Agent Information included in the EIDO header, if this data component is not present. |
| **Reason for Need:** | To identify the agent and agency that received the call referenced in this data component and/or entered  additional information about it. | | | | |
|  | | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** | |
| Updated Call Back Number | Optional | 0 | 1 | UpdatedCBN | | Complex data element (Data Component). Identifies additional telephone numbers and SIP equivalents that can be used to contact the individual that made the call described in this data component. | |
| **Reason for Need:** | To identify additional available methods for contacting the person that initiated the call referenced in this data  component. | | | | | | |
|  | | | | | | | |
| Location Information | Optional | 0 | \* | Location | | Complex data element (Data Component). Contains call location information received with the call or updated by the agent receiving the call. | |
| **Reason for Need:** | To exchange call location information received by the call or updated by the call agent receiving the call  described in this data component. | | | | | | |
|  | | | | | | | |
| Person Information | Optional | 0 | \* | Person | | Complex data element (Data Component). Contains information about the callers making a call that was received by the agent receiving the call. | |
| **Reason for Need:** | To exchange additional information about callers making calls received by the agent receiving the call described  in this data component. | | | | | | |
|  | | | | | | | |

## Updated Call Back Number Information Data Component Data Component Use: Optional Component

**Minimum:** 0

**Maximum:** \*

**Child Of:** Call Information

**Data Component Description:** This data component is optional and is used to exchange information about additional phone numbers that can be used to contact the incident’s reporting parties.

A screenshot of a cell phone

Description automatically generated

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| Updated caller call back number | Required | 1 | 1 | UpdatedCBNIdentifierURI | This data element (in the form of a URI) is used to track additional telephone number or SIP equivalents that can be used to contact the reporting party of the parent call. |
| **Reason for Need:** | To be able to indicate a different telephone number or SIP equivalent that can be used by agents and responders  to call back the caller that initiated the call. | | | | |
|  | | | | | |
| Updated caller call back number description | Optional | 0 | 1 | UpdatedCBNIdentifierURI  Description | Descriptive (alphanumeric) text that provides additional information about the updated call back number such as hours to use it, days to use it, and the type of number (e.g., work, home, friend, etc.) |
| **Reason for Need:** | To be able to indicate by using alphanumeric text when the number should be used and what kind of number it is. | | | | |
|  | | | | | |

## Dispatch Information Data Component

**Data Component Use:** Optional Component

**Minimum:** 0

**Maximum:** \*

**Child Of:** EIDO Header

**Data Component Description:** This Data Component contains dispatch related information. It allows updates to be sent and received between Incident Handling FEs and Dispatch FEs, between different Dispatch FEs that are working the same incident, and enables exchanging information provided directly by emergency responders. It can also be used to provide dispatch related status updates to involved agencies and authorized stakeholders

A screenshot of a cell phone

Description automatically generated

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| **Data Element** | | **Use (required, optional,**  **conditional)** | | **Min** | **Max** | **JSON Name** | **Description** | |
| Dispatched Agency ID | Optional | | 0 | | 1 | OrganizationIdentification | Identifier of the Agency that was dispatched through action performed in this data component. Note, that if several agencies are dispatched (one fire and one police, two fire agencies, etc.), there must be a separate instance of this data component for each dispatched agency. Agencies are globally unique. See the Agency Identifier section of NENA-STA-010 for the format and requirements  [[1]](#_bookmark12) . | |
| **Reason for Need:** | To identify the agency that is being dispatched. | | | | | | | |
|  | | | | | | | | |
| Agent Information | Optional | | 0 | | 1 | Agent | Complex data element (Data Component).  Identifies the agent and agency that completed the dispatch operation described in, and/or entered the information contained in this data component. Defaults to the Agent Information included in the EIDO header, if this data component is not present. | |
| **Reason for Need:** | To identify the agency and agent that performed the dispatch action and/or entered the information described in  this data component. | | | | | | |
|  | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | | **Use (required, optional,**  **conditional)** | | **Min** | **Max** | **JSON Name** | **Description** | |
| Responder Information | Optional | | 0 | | \* | EmergencyResource | Complex data element (Data Component). Contains information about emergency responders assigned (dispatched) to the incident, as well as their status and location updates. This data component is not required when emergency responders update their  status and/or location directly without requiring dispatcher entry. |
| **Reason for Need:** | To track emergency responders assigned to an incident as well their location and status updates. | | | | | | |
|  | | | | | | | |

* 1. **Disposition Information Data Component Data Component Use:** Optional Component

## Minimum: 0

**Maximum:** \*

**Child Of:** Incident Information and Responder Information

**Data Component Description:** Agency specific and standardized disposition codes assigned to an incident. Multiple disposition codes per incident are supported. Either a responder or a dispatcher can close an incident and assign a final disposition codes to it.

A screenshot of a cell phone

Description automatically generated

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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** | |
| Common Disposition Code | Required | 1 | 1 | DispositionCommonRegistryCode | An agency assigns a disposition to an incident when its participation in the incident ends.  The disposition code indicates whether follow- up reports are required and other information about the incident such as whether it resulted from a false or actual alarm. The disposition codes are drawn from a registry containing common disposition codes for Police, Fire EMS disciplines. See Section [5.8](#_bookmark21), below, for  the description of the registry. |
| **Reason for Need:** | To exchange the status and follow up requirements of an incident upon its closure. | | | | |
|  | | | | | |

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| --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** | |
| Disposition Primary Indicator | Optional | 0 | 1 | DispositionPrimaryIndicator | A designation of whether the common disposition code is the primary disposition code for the incident. Note that, multiple primary codes are allowed, but some systems  may not be able handle more than one primary common disposition code. It is possible that no codes are marked as primary. The value is  Boolean, where True is a primary disposition code. |
| **Reason for Need:** | To be able to indicate which common disposition code is the primary disposition code for an incident. | | | | |
|  | | | | | |
| Disposition Code Type | Optional | 0 | 1 | DispositionCategoryText | An agency specific, alphanumeric code that indicates how the incident was closed. The Common Disposition Code, referenced above, should be mapped to the closest value of this  data element. |
| **Reason for Need:** | To be able to indicate which common disposition code is the primary disposition code for an incident. | | | | |
|  | | | | | |
| Disposition Description Text | Conditional: If Disposition Code Type is present, this element is required; Optional  otherwise. | 0 | 1 | DispositionDescriptionText | Descriptive text describing the Disposition Code Internal. Disposition codes may be agency specific and this field explains the meaning of the internal disposition code. |
| **Reason for Need:** | To be able to explain the meaning of the internal disposition code. | | | | |
|  | | | | | |

## Notes Data Component

**Data Component Use**: Optional Component

**Minimum:** 0

**Maximum:** \*

**Child Of:** EIDO Header, Additional Data Associated with a Location, and Location Information

**Description:** This Data Component is typically populated by emergency service agents and responders and occasionally by automated devices. There may be multiple notes from the same agent and there may be notes from multiple agents and agencies.

A screenshot of a cell phone

Description automatically generated

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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** | |
| Documentation Creation Date | Required | 1 | 1 | DocumentationCreationDate | Date and time indicating when the note was entered. Must be in the ISO8601 timestamp format as specified in NENA08-003. |
| **Reason for Need:** | To enable sorting notes in chronological order. | | | | |
|  | | | | | |

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| --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** | |
| Notes Action Comments | Required | 1 | 1 | NotesActionComments | Notes created by an agent entered in HTML fragments, as supported by NIEM, and shall be limited to 16 MB. HTML is used to allow multimedia data to be contained in the notes. Security issues may arise from embedding scripts, images, and other references including JavaScript in notes and the receiving system may ignore or filter out such embedded  information. |
| **Reason for Need:** | To be able to store and exchange narrative and multi-media information obtained by agents and devices about the  incident. | | | | |
|  | | | | | |
| Agent Information | Optional | 0 | 1 | Agent | Complex data element (Data Component). Identifies the agent and agency that entered the note contained in this data component. Defaults to the Agency Information included in the EIDO header, if this data component is not present. |
| **Reason for Need:** | To identify the agent and agency that entered the note. | | | | |
|  | | | | | |

## Person Information Data Component

**Data Component Use**: Optional Component

## Minimum: 1

**Maximum:** \*

**Child Of:** Incident Information and Responder Information

**Data Component Description6:** This Data Component is used to exchange information about people associated with an incident including: callers, suspects, victims, witnesses and other individuals involved in the incident. The information is provided by reporting parties and emergency responders. Responders can enter the information either directly through their mobile data computers or via their assigned dispatchers.

A screenshot of a cell phone

Description automatically generated

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| --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** | |
| Person Role | Required | 1 | \* | PersonIncidentRoleRegistryText | Describes the relationship (Caller, Victim, suspect, etc.) of a person to the incident.  Available person types are contained in an EIDO registry. See section [5.9](#_bookmark22), below for the registry description. Note that there could be multiple relationships as when the reporting party is also the victim. |
| **Reason for Need:** | To describe the relationship of an individual to the incident. | | | | |
|  | | | | | |
| Person Components | Required | 1 | 1 | Person | Where possible, use existing NIEM schemas. A likely candidate is the NEIM IEPD for detailed CFS v1.1:  -NIEM schemas person  -NIEM schemas person name  -NEIM schemas physical features  -NEIM schemas contact information. |
| **Reason for Need:** | To store and exchange detailed information on about a person. | | | | |
|  | | | | | |
| Additional Data | Required | 0 | 1 | AdditionalData | Additional Data about a person. |
| **Reason for Need:** | To store and exchange detailed information on about a person. | | | | |
|  | | | | | |

6 A mapping must be developed between the VCard and NIEM. Since both standards are subject to change a process must be put in place to keep this mapping updated.

## Additional Data About a Caller Information Data Component Data Component Use: Optional Component

**Minimum:** 0

**Maximum:** \*

**Child Of:** Person Information and Call Information

**Data Component Description:** This data component is optional and is used to exchange information about individuals associated with a call received by an agent handling the incident. When the call arrives, there could be several individuals referenced in additional caller data (one or more parents, children, relatives, etc.). This data component is used to indicate the relationships, if any, between those individuals and the call (caller) and the incident (victim suspect, witness, none, etc.).

A screenshot of a social media post

Description automatically generated

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| --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** | |
| Additional Data URL | Conditional: Required if the data element below (Additional Data Associated with a Caller by Value) is  blank | 0 | 1 | AdditionalDataURL | This is a link to the Additional Data About a Caller that arrives with the Call. The contents and format of the Additional Data About a Caller is defined in NENA 71-001. |
| **Reason for Need:** | Provides a link to the information about a caller associated with a call associated with the incident. | | | | |
|  | | | | | |
| Additional Data Detail | Conditional: Required if the data element above (Additional Data Associated with a Caller by Value) is  blank | 0 | 1 | AdditionalDataDetail | This is the Additional Data About a Caller that arrives with the Call. The contents and format of the Additional Data About a Caller is defined in NENA 71-001. |
| **Reason for Need:** | Provides the information about a caller associated with a call associated with the incident. | | | | |
|  | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** | |
| Notes Information | Optional | 0 | \* | Notes | Complex data element (Data Component). Contains notes and comments related to the incident tracking ID that were entered by agents and emergency responders. |
| **Reason for Need:** | To enable adding free format information about callers associated with a call and/or the incident. | | | | |
|  | | | | | |

## Vehicle Information Data Component

**Data Component Use**: Optional Component

**Minimum:** 0

**Maximum:** \*

**Child Of:** Incident and Emergency Resource

**Data Component Description:** This Data Component is used to exchange information about vehicles associated with an incident including: suspect vehicles, vehicles involved in accidents, and other vehicles involved with the incident. The information is provided by reporting parties and emergency responders. Responders can enter the information either directly through their mobile data computers or via their assigned dispatchers.

Note, that vehicle telematics information is not located in this data component. It is located in additional data associated with a call.

A screenshot of a cell phone

Description automatically generated

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | | **Use (required, optional,**  **conditional)** | | **Min** | **Max** | **JSON Name** | **Description** | | |
| Vehicle Relationship Type | Required | | 1 | | \* | VehicleRelationshipType | | Describes the relationship (victim’s vehicle, accident vehicle, suspect vehicle, etc.) of a vehicle to the incident. Available vehicle relationship types are contained in an EIDO registry. See Sec[tion 5.10](#_bookmark23), below, for the registry description. |
| **Reason for Need:** | To describe the relationship of a vehicle to the incident. | | | | | | | |
|  | | | | | | | | |
| Timestamp | Required | | 1 | | 1 | VehicleRelationshipTimeStamp | | The date and time that the relationship of the vehicle to the incident was established by this data component instance. Must be in the ISO8601 timestamp format as specified in  NENA08-003. |
| **Reason for Need:** | To be able to determine when a vehicle was involved in the incident as the indicated Vehicle Relationship Type. | | | | | | | |
|  | | | | | | | | |
| NIEM Vehicle | Required | | 1 | | 1 | NIEMVehicleComponents | | Where possible, use existing NIEM Vehicle |
| Components |  | |  | |  |  | | schemas. A likely candidate is the |
|  |  | |  | |  |  | | NEIM IEPD for Detailed CFS v1.1: |
|  |  | |  | |  |  | | -Vehicle |
|  |  | |  | |  |  | | -Vehicle Registration. |
| **Reason for Need:** | To describe a vehicle involved in the incident. | | | | | | | |
|  | | | | | | | | |

## Location Information Data Component

**Data Component Use:** Optional Component.

## Minimum: 1

**Maximum:** \*

**Child Of:** Additional Data About A Caller, Call Information, Incident Information, Dispatch Information and Responder Information

**Data Component Description:** This Data Component represents a generic location associated with an incident. The type of location may be the caller’s location, the incident’s location or another type of location indicated by the Location Type field in the data component. In order to dispatch emergency responders an “initial” incident location is required. It may be the same as the caller’s location, but it may also evolve as the incident progresses. For example, emergency responders are initially dispatched to the caller’s location, the caller verbally describes a different location for the incident, and finally the first responders arrive at the scene and relates yet another location for the incident. The

incident’s location may also be mobile such as a caller reporting an incident from a moving vehicle or a law enforcement chase in progress.

A screenshot of a cell phone

Description automatically generated

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** | | |
| Location Type | Required | 1 | 1 | LocationTypeDescriptionRegistry  Text | Location type (Caller, Initial, Current, Staging, Investigation, Tower Location, Other) as defined in a registry. See Section [5.11](#_bookmark24), below for the registry description. | |
| **Reason for Need:** | To indicate the type of incident related location being exchanged. | | | | | |
|  | | | | | | |
| Location By Value | Conditional: Either the Location By Value or the Location By  Reference must be  populated, but not both. | 0 | 1 | LocationByValue | The Location Information data component must support all PIDF-LO data elements though many of these elements may not be present in an EIDO.  When populated this data element must contain civic or geodetic location elements. | |
| **Reason for Need:** | Indicates the actual location without need for a dereference. | | | | | |
|  | | | | | | |
| Location By Reference | Conditional: Either the Location By Value or the Location By Reference must be  populated, but not both. | 0 | 1 | LocationByReferenceURL | A URI that can be dereferenced to obtain the location of the indicated location type. The resulting dereference must support the PIDF- LO data elements defined in Location By Value. This is particularly useful for indicating the location of moving devices such as callers in moving vehicles. The current  location of the device can be de-referenced and inserted into the incident record. | |
| **Reason for Need:** | Provides a mechanism for obtaining an updated location of the indicated location type through a dereference  operation. | | | | | |
|  | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| Location Type Description | Optional | 0 | 1 | LocationDescriptionText | Optional text further describing the location type.  Note that the Location may be the Caller’s  location, incident’s location or another type of location depending on the Location Type field. |
| **Reason for Need:** | In the event that the Location Type codes are not sufficiently descriptive. | | | | |
|  | | | | | |
| Cross Street by Value | Optional | 0 | 1 | CrossStreetByValue | The nearest cross street to the incident’s location in PIDF-LO format. |
| **Reason for Need:** | Provides additional location information that may be helpful to emergency responders. | | | | |
|  | | | | | |
| Cross Street by Reference | Optional | 0 | 1 | CrossStreetByReferenceURL | The URL of the nearest cross street to the incident’s location. |
| **Reason for Need:** | Provides additional location information that may be helpful to emergency responders. | | | | |
|  | | | | | |
| Intersecting Street by Value | Optional | 0 | 1 | IntersectingStreetByValue | The nearest intersection to the incident’s location in PIDF-LO format. |
| **Reason for Need:** | Provides additional location information that may be helpful to emergency responders. | | | | |
|  | | | | | |
| Intersecting Street by Reference | Optional | 0 | 1 | IntersectingStreetByReferenceURL | The URL of the nearest intersection to the incident’s location. |
| **Reason for Need:** | Provides additional location information that may be helpful to emergency responders. | | | | |
|  | | | | | |
| Cell Tower Sector ID | Optional | 0 | 1 | CellTowerSectorID | Text field contain the id of the nearest cell tower and the sector/face of the tower receiving the call. |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** |
| **Reason for Need:** | Provides a generalized geographic area describing the region where the caller is located. This is especially  important for maritime locations. May be used with the “Provided By” field of the PIDF-LO to identify the carrier if carrier specific data is needed. | | | | |
|  | | | | | |
| Additional Data associated with a location | Optional | 0 | 1 | AdditionalData | Complex data element (Data Component). Contains additional data associated with a location that arrives with a call received by the agency and agent handling the incident. |
| **Reason for Need:** | To exchange additional data associated with a location that arrives with a call received in association with the  incident. | | | | |
|  | | | | | |
| Notes | Optional | 0 | \* | Notes | Complex data element (Data Component). Contains optional alphanumeric text further describing the location. |
| **Reason for Need:** | In the event that the Location is not sufficiently descriptive to locate the indicated location type. | | | | |
|  | | | | | |

## Additional Data Associated with a Location Data Component

## Data Component Use: Optional Component.

**Minimum:** 1

**Maximum:** \*

**Child Of:** Location Information

**Data Component Description:** This Data Component contains the additional data associated with a location that arrives with the call. This data component is used to track and exchange this information as defined in NENA 71-001.

A screenshot of a cell phone

Description automatically generated

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| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** | |
| URL to Additional | Conditional: | 0 | 1 | AdditionalDataURL | The URL is a link to additional information data component received about the parent. |
| Data Associated | should not be |  |  |  |  |
| with a Location | populated if |  |  |  |  |
|  | the data |  |  |  |  |
|  | element |  |  |  |  |
|  | below |  |  |  |  |
|  | (Additional |  |  |  |  |
|  | Data |  |  |  |  |
|  | Associated |  |  |  |  |
|  | with a |  |  |  |  |
|  | Location) |  |  |  |  |
|  | contains data |  |  |  |  |
| **Reason for Need:** | To allow the dereferencing of additional information associated with the location of a call related to the incident. | | | | |
|  | | | | | |
| Additional Data Associated with a Location | Conditional: Should not be populated if the data element above is populated. | 0 | 1 | AdditionalDataDetail | If additional data associate with a call is by value these fields contain thee information.  (NENA 71-001) |
|  |  |  |  |  |  |
| **Reason for Need:** | Provides additional information associated with the location of a call related to the incident. | | | | |
|  | | | | | |

* 1. **Emergency Resource Data Component Data Component Use:** Optional Component –

## Minimum: 0

**Maximum:** \*

**Child Of:** EIDO Header and Dispatch Information

**Data Component Description:** A responder can be a vehicle, a person (foot patrol), an organizational unit such as a squad or strike team, and other emergency responder configurations. A responder is described by a unique unit ID and unit type. There may be multiple Responder Information data components where multiple emergency responders are dispatched to a single incident. When responders are assigned to an incident by a dispatcher, then the parent data component is Dispatch Information and the same agency and agent that entered the information contained in the Dispatch Information data component entered the information contained in the Responder Information. However, when responders update their status or change the incident through their MDCs, then the parent data component is the EIDO Header. Agent Information child data components of Responder Information instances identify the individuals associated with the emergency response unit; for example officer Jeff Smith and John Jones are currently operating (riding in) police unit number 52.

A screenshot of a cell phone

Description automatically generated

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| --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | **Description** | |
| Emergency Resource Type -Common | Required | 1 | 1 | EmergencyResourceTypeCommonRegistryText | A standard code for an emergency type (fire truck, police vehicle, etc.). |
| **Reason for Need:** | To provide a description of a Unit, its characteristics and status. | | | | |
|  | | | | | |
| Emergency Resource Type -Internal | Optional | 0 | 1 | EmergencyResourceTypeInternal  Text | A local code for an emergency resource type. |
| **Reason for Need:** | To provide a local description of a Unit, its characteristics and status. | | | | |
|  | | | | | |
| Resource Attribute | Required | 0 | \* | ResourceAttributeRegistryText | A standard code for an emergency resource attribute (skill and equipment) possessed by an emergency resource). |
| **Reason for Need:** | To indicate the attribute of the resource. | | | | |
|  | | | | | |
| Enforcement Unit Name | Required | 1 | 1 | EnforcementUnitName | A globally unique name for an emergency response unit. Format of the identifier is defined as unit@domain: [Fire1@riversideFD.riverside.ca.](mailto:Fire1@riversideFD.riverside.ca) |
| **Reason for Need:** | To indicate a globally unique emergency responder ID. | | | | |
|  | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | | **Description** |
| Primary Unit Status9 | Required | 1 | 1 | PrimaryUnitStatusRegistryText | The common, globally unique, status that sets the emergency resource’s ability to be assigned to an emergency incident. An emergency resource can only have one Primary Unit Status-Common at any given time. Available options for Primary Unit Status-Common are contained in an EIDO registry. See Section [5.12](#_bookmark25), below, for the registry description.  Agencies should map their Unit Status- Internal to the most appropriate combination of Primary Unit Status-Common and  Secondary Unit Status-Common available in the registry. | |
| **Reason for Need:** | Indicates the status of a unit in a globally known code. | | | | | |
|  | | | | | | |

1. Primary Unit Status-Common values may not be used as Secondary Unit Status-Common.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **JSON Name** | | **Description** | |
| Secondary Unit Status | Required | 1 | \* | SecondaryUnitStatusRegistryText | Globally unique, statuses that further qualifies the Primary Unit Status by providing more detail about the associated Primary status. Some systems may not be able to handle Secondary statuses, which is acceptable, but not recommended.  Available options for Secondary Unit Status- Common are contained in an EIDO registry. See Sec[tion 5.13](#_bookmark26), below, for the registry description.  Agencies should map their Unit Status- Internal to the most appropriate combination of Primary Unit Status-Common and Secondary Unit Status-Common available in the registry. | |
| **Reason for Need:** | To be able to further qualify the Primary Unit Status-Common. | | | | | |
|  | | | | | | |
| Notes | Optional | 0 | 1 | Notes | Complex data element (Data Component). Contains notes and comments related to the  status of an emergency responder (e.g., time that status is expected to change, etc.) | |
| **Reason for Need:** | To be able to enter additional notes and comments about an emergency responder’s status. | | | | | |
|  | | | | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | | **Use (required, optional,**  **conditional)** | | **Min** | **Max** | **JSON Name** | | **Description** | |
| Unit Status- Internal | | Optional | | 0 | \* | UnitStatusInternal | Local or internal status of a response unit. May be meaningful only to the owning agency and possibly to other closely affiliated agencies. Some systems may not be able to handle multiple Unit Statuses-Internal. | |
| **Reason for Need:** | | Indicates the status of an emergency responder using status codes used locally by the dispatching agency. | | | | | | |
|  | | | | | | | | |
| Document Creation Date | | Required | | 1 | 1 | DocumentCreationDate | Time and date when the emergency responder information is captured. Must be in the ISO8601 timestamp format as specified in NENA08-003. | |
| **Reason for Need:** | | To indicate the date and time that the information about the emergency responder’s status and location was  captured. | | | | | | |
|  | | | | | | | | |
| Agent Information | Required | | 1 | | \* | Agent | | Complex data element (Data Component). Identifies the agents currently staffing the emergency responder unit and the agency to which the unit belongs. If the responding unit updated the incident directly on their MDC, then the agent role identifies which individual entered the information as well as their role in the emergency response unit (driver, passenger, etc.). |
| **Reason for Need:** | To identify the agency and agents operating emergency response units. | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | | **Use (required, optional,**  **conditional)** | | **Min** | **Max** | **JSON Name** | | **Description** | |
| Unit Location | | Optional | | 0 | 1 | UnitLocation | Valid location of the unit at the time indicated by the Date/Time Stamp. The Geolocation information given in Long/Lat as specified in RFC 4119 as updated by RFC 5491. | |
| **Reason for Need:** | | To identify the location of the emergency responder at the time the status was recorded. | | | | | | |
|  | | | | | | | | |
| Person Information | Optional | | 0 | | \* | Person | | Complex data element (Data Component). Contains person information entered or  updated directly by an emergency responder. |
| **Reason for Need:** | To exchange person information entered or updated directly by an emergency responder. | | | | | | | |
|  | | | | | | | | |
| Vehicle Information | Optional | | 0 | | \* | Vehicle | | Complex data element (Data Component).  Contains vehicle information entered or updated directly by an emergency responder. |
| **Reason for Need:** | To exchange vehicle information entered or updated directly by an emergency responder. | | | | | | | |
|  | | | | | | | | |
| Disposition Information | Optional | | 0 | | \* | Disposition | | Complex data element (Data Component). Contains incident disposition information entered or updated directly by an emergency  responder. |
| **Reason for Need:** | To exchange incident disposition information entered or updated directly by an emergency responder. | | | | | | | |
|  | | | | | | | | |

## Alarms and Sensors Data Component

**Data Component Use:** Optional Component

**Minimum:** 0

**Maximum:** \*

**Child Of:** EIDO Header

**Data Component Description:** This Data Component is only used to support the exchange of the legacy APCO CSAA ANS interface. There may not be an i3 call associated with this alarm. The Incident Record Handling FE will have a direct interface that supports APCO CSAA ANS and the FE will use it to automatically extract the relevant information and create an incident. This data component provides a link to the original information received from the alarm company. Any other form of Alarm or Sensor data will be contained in the Additional Data Associated with a Call.

A screenshot of a cell phone

Description automatically generated

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | | **Min** | **Max** | **JSON Name** | **Description** | |
| CSAA Alarm Information | Conditional: Required if the Alarms and Sensors URL data element below is empty.  Otherwise it should be empty. | | 0 | 1 | CSAAAlarmInformation | Read in NIEM schema  Alarm and Sensor data. For Alarms this would be the APCO/CSAA ANS  2.101.1-2008 standard. |
| **Reason for Need:** | To enable the exchange of the original automated alarm data that triggered the creation of the incident. | | | | | |
|  | | | | | | |
| Alarms and Sensors URL | Conditional: Required if the CSAA Alarm Information data element above is empty.  Otherwise it should be empty. | 0 | | \* | AlarmURL | Link to the automated alarm data that initiated the incident. There may be more than one transmission for a single incident. |
| **Reason for Need:** | Enable the receiving agency to dereference and obtain the original alarm information that triggered the incident. | | | | | |
|  | | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Element** | **Use (required, optional,**  **conditional)** | | **Min** | **Max** | **JSON Name** | **Description** | |
| Agent Information | Optional | 0 | | 1 | Agent | Complex data element (Data Component). Identifies the agent and agency that processed the Alarm/Sensor information described in this data component. Defaults to the Agent Information included in the EIDO header, if this data component is not present. |
| **Reason for Need:** | To identify the agent and agency that processed Alarm/Sensor information associated with the incident. | | | | | |
|  | | | | | | |

## 

# Recommended Reading and References

See related standards and other documents.

1. Detailed Functional and Interface Standards for the NENA i3 Solution – Stage 3, National Emergency Number Association, NENA-STA-010.
2. GJXDM Information Exchange Package Documentation Guidelines, Version 1.1, March 2, 2005 available at: <http://it.ojp.gov/documents/global_jxdm_iepd_guidelines_v1_1.pdf>.
3. Introduction to the National Information Exchange Model (NIEM), version 0.3, February 12, 2007 available at: <https://www.niem.gov/documentsdb/Documents/Overview/NIEM_Introduction.pdf>.
4. National Information Exchange Model Naming and Design Rules, Version 1.3, October 31, 2008 available at: <https://www.niem.gov/documentsdb/Documents/Technical/NIEM-NDR-1-3.pdf>.
5. NENA Master Glossary of 9-1-1 Terminology, National Emergency Number Association, NENA 00-001.
6. NG9-1-1 Additional Data, National Emergency Number Association, NENA 71-001 v1
7. A Uniform Resource Name (URN) for Emergency and Other Well-Known Services, IETF RFC 5031, January 2008, <http://tools.ietf.org/html/rfc5031>.

# EIDO Registries

This section describes the EIDO registries defined for the Data Components contained in Chapter [3](#_bookmark1) of the document.

The registries defined in this document are preliminary. It is expected that they will be refined and further elaborated during the EIDO JSON schema development and ANS process. Each defined EIDO registry is linked to one or more data elements specified in the data components contained in Chapter [3](#_bookmark1) ([Data Associated with an Emergency Incident](#_bookmark1)). Each EIDO registry is named after the data element that uses it and includes references to the Data Components that contain the registry's data element.

## Reason for Issue Registry

The “Reason for Issue” data element is described in Section [3.1](#_bookmark2) ([EIDO Header Data Component](#_bookmark2)) of the document.

## Registry Management Policy

This registry will be managed with "Expert Review and Document Required" policy as described in NENA 70-001.

The Expert shall assess whether the proposed value is sufficiently distinct from existing values and whether the document is clear on when the proposed new value should be used instead of existing values. Proposed additions should have sufficient general use; vendor specific or regional specific values are highly discouraged. The frequency of change of this registry should be controlled to no more than approximately once every 6 months, but the expert should consider the consequences of delaying a proposed change and may approve a change in less than 6 months from the prior change if it is warranted.

## Registry Content

This registry contains:

* + - * The UTF-8 “Value” of the entry.
      * A short description of the meaning of the value.
      * A reference to the document that created the entry.

## Initial Values

The initial [Reason for Issue](#_bookmark14) registry entries are:

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| CallAnswered | An emergency call was answered by an agent | NENA-INF-005 |
| CallOffered | The call has been offered to one or more agents (i.e., the phone rang). | NENA- INF-005 |
| CallReceived | The call handling FE has received an “INVITE” for a new call from the terminating ESRP that has not yet been offered to an agent (i.e., is in a queue) | NENA- INF-005 |

|  |  |  |
| --- | --- | --- |
| EmergencyResourceStatus Changed | Change occurred in the status of emergency resources associated with the incident (dispatched, arrived, cleared, etc.) | NENA- INF-005 |
| IncidentClosed | An incident is in the process of being closed | NENA- INF-005 |
| IncidentReopened | A previously closed incident needs to be reopened | NENA- INF-005 |
| IncidentUpdate | An EIDO is being generated due to a change in the status of an incident | NENA- INF-005 |
| LinkIncidents | Two or more incidents are being linked to each other | NENA- INF-005 |
| MergedIncidents | Two incidents are being merged into a single incident | NENA- INF-005 |
| QueryResponse | An EIDO is being generated in response to a query about an incident | NENA- INF-005 |
| SplitIncident | A single incident is being separated into two incidents (a future capability) | NENA- INF-005 |
| TransferredCall | An EIDO is being generated in association with a transferred call | NENA- INF-005 |
| UnitStatusUpdate | The status and/or location of an emergency unit not associated with an incident has changed | NENA- INF-005 |
| UnLinkIncidents | Two or more incidents are being un-linked from each other | NENA- INF-005 |
| UnMergeIncidents | Two or more incidents are being un-merged from each other | NENA- INF-005 |

## Agency Role Registry

The “Agency Role” data element is described in Sec[tion 3.3](#_bookmark3) ([Agency Information Data Component](#_bookmark3)) of the document.

## Registry Management Policy

This registry will be managed with "Expert Review and Document Required" policy as described in NENA 70-001.

proposed change and may approve a change in less than 6 months from the prior change if it is warranted.

## Registry Content

This registry contains:

* + - * The UTF-8 “Value” of the entry.
      * A short description of the meaning of the value.
      * A reference to the document that created the entry.

## Initial Values

The initial [Agency Role](#_bookmark15) registry entries are:

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| Assisting | An agency is assisting on, or being consulted regarding an incident | NENA/APCO- INF-005 |
| CallReceiving | The Agency that received the emergency call | NENA/APCO- INF-005 |
| Dispatched | The Agency that had emergency resources dispatched to an incident | NENA/APCO- INF-005 |
| Dispatching | The Agency that dispatched emergency resources to an incident | NENA/APCO- INF-005 |
| Informational | An agency is receiving information regarding an incident, but is not otherwise participating | NENA/APCO- INF-005 |
| TransferredTo | The Agency to which the emergency call is being transferred | NENA/APCO- INF-005 |

## Incident Type – Common Registry

The “Incident Type – Common” data element is described in Section [3.6](#_bookmark4) ([Incident Information Data](#_bookmark4) [Component](#_bookmark4)) and Section [3.9](#_bookmark6) ([Dispatch Information Data Component](#_bookmark6)) of the document.

## Registry Management Policy

This registry will be managed with "Expert Review and Document Required" policy as described in NENA 70-001. The primary values for this registry are taken from APCO ANS 2.103.1-2012. When this standard is changed, then the registry must be changed accordingly.

proposed change and may approve a change in less than 6 months from the prior change if it is warranted.

## Registry Content

This registry contains:

* + - * The UTF-8 “Value” of the entry.
      * A short description of the meaning of the value.
      * A reference to the document that created the entry.

## Initial Values

The initial values of the [Incident Type – Common](#_bookmark16) registry are described in the APCO ANS 2.103.1- 2012 standard: “Public Safety Communications Common Incident Types for Data Exchange”, where value is taken from INC CODE, the short description is taken from INCIDENT DESCRIPTOR and the document reference is APCO ANS 2.103.1-2012.

## Incident Status-Common

The “Incident Status-Common” data element is described in Section [3.6](#_bookmark4) ([Incident Information Data](#_bookmark4) [Component](#_bookmark4)) of this document. 11

## Registry Management Policy

This registry will be managed with "Expert Review and Document Required" policy as described in NENA 70-001.

The Expert shall assess whether the proposed value is sufficiently distinct from existing values and whether the document is clear on when the proposed new value should be used instead of existing values. Proposed additions should have sufficient general use; vendor specific or regional specific values are highly discouraged. The frequency of change of this registry should be controlled to no more than approximately once every 6 months, but the expert should consider the consequences of delaying a proposed change and may approve a change in less than 6 months from the prior change if it is warranted.

## Registry Content

This registry contains:

* + - * The UTF-8 “Value” of the entry.
      * A short description of the meaning of the value.
      * A reference to the document that created the entry.

11 The goal of the incident statuses contained in the registry is to use distinct entries that are readily identifiable by agents receiving an EIDO. Multiple incident statuses may be used to specify complex situations such as an active fire incident that has had a structure cleared. In this case, the following incident statuses could be assigned: “Active” and “StructureCleared.” Incident status codes may be used to indicate either when a particular event occurred during the incident (patient contact)

and/or when the incident’s status has changed (ResourcesOnscene).

## Initial Values

The initial [Incident Status-Common](#_bookmark17) registry entries are:

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| Active | The incident is active. | NENA/APCO- INF-005 |
| Cancelled | Incident cancelled | NENA/APCO- INF-005 |
| Closed | Incident closed | NENA/APCO- INF-005 |
| FireUnderControl | Emergency responder has declared that a fire is under control | NENA/APCO- INF-005 |
| NewLocation | The incident’s location has changed | NENA/APCO- INF-005 |
| ReOpened | Incident has been re-opened | NENA/APCO- INF-005 |
| ResourcesAssigned | Incident has had at least one emergency resource assigned to it | NENA/APCO- INF-005 |
| ResourcesEnroute | At least one emergency resource is enroute to the incident | NENA/APCO- INF-005 |
| ResourcesOnscene | At least one emergency resource has arrived at the location (on scene) of the incident | NENA/APCO- INF-005 |
| StructureCleared | Emergency responder has declared that the structure has been cleared | NENA/APCO- INF-005 |

## Call Origination

The “Call Origination data element is described in Section [3.7](#_bookmark5) ([Call Information Data Component](#_bookmark5)) of the document.

## Registry Management Policy

This registry will be managed with "Expert Review and Document Required" policy as described in NENA 70-001.

The Expert shall assess whether the proposed value is sufficiently distinct from existing values and whether the document is clear on when the proposed new value should be used instead of existing values. Proposed additions should have sufficient general use; vendor specific or regional specific values are highly discouraged. The frequency of change of this registry should be controlled to no more than approximately once every 6 months, but the expert should consider the consequences of delaying a proposed change and may approve a change in less than 6 months from the prior change if it is warranted.

## Registry Content

This registry contains:

* + - * The UTF-8 “Value” of the entry.
      * A short description of the meaning of the value.
      * A reference to the document that created the entry.

## Initial Values

The initial [Call Origination](#_bookmark18) registry entries are:

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| AdminCall | Emergency call that arrives over administrative lines | NENA/APCO- INF-005 |
| EmergencyCall | Normal Emergency (9-1-1) call | NENA/APCO- INF-005 |
| FieldInitiated | Emergency call was initiated directly by a responder | NENA/APCO- INF-005 |

## Call Status

The “Call Status” data element is described in Section [3.7](#_bookmark5) ([Call Information Data Component](#_bookmark5)) of the document.

## Registry Management Policy

This registry will be managed with "Expert Review and Document Required" policy as described in NENA 70-001.

The Expert shall assess whether the proposed value is sufficiently distinct from existing values and whether the document is clear on when the proposed new value should be used instead of existing values. Proposed additions should have sufficient general use; vendor specific or regional specific values are highly discouraged. The frequency of change of this registry should be controlled to no more than approximately once every 6 months, but the expert should consider the consequences of delaying a proposed change and may approve a change in less than 6 months from the prior change if it is warranted.

## Registry Content

This registry contains:

* + - * The UTF-8 “Value” of the entry.
      * A short description of the meaning of the value.
      * A reference to the document that created the entry.

## Initial Values

The initial [Call Status](#_bookmark19) registry entries are:

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| Active | An emergency call was answered and is currently being processed by an agent | NENA/APCO- INF-005 |
| AgentDisconnect | The emergency call was terminated normally by the agent | NENA/APCO- INF-005 |
| CallAnsweredByIMR | An emergency call was answered by an automaton. | NENA/APCO- INF-005 |
| CallerDisconnect | The emergency call was terminated by the Caller | NENA/APCO- INF-005 |
| CallInQueue | The emergency has been placed in a queue and is awaiting attention. | NENA/APCO- INF-005 |
| CallOffered | The call has been offered to one or more agents (i.e., the phone rang) | NENA/APCO- INF-005 |
| CallReceived | The call handling FE has received an “INVITE” for a new call from the terminating ESRP that has not yet been offered to an agent (i.e., is in a queue) | NENA/APCO- INF-005 |
| Error | The emergency call terminated unexpectedly (was disconnected) | NENA/APCO- INF-005 |
| Hangup | The emergency call was terminated by the caller before being answered | NENA/APCO- INF-005 |
| IMR | The emergency call is at the IMR | NENA/APCO- INF-005 |
| Transferred | The emergency call was transferred to a different agency | NENA/APCO- INF-005 |

## Report Number Type

The “Report Number Type” data element is described in Section [3.9](#_bookmark6) ([Dispatch Information Data](#_bookmark6) [Component](#_bookmark6)) of this document.

## Registry Management Policy

This registry will be managed with "Expert Review and Document Required" policy as described in NENA 70-001.

The Expert shall assess whether the proposed value is sufficiently distinct from existing values and whether the document is clear on when the proposed new value should be used instead of existing

values. Proposed additions should have sufficient general use; vendor specific or regional specific values are highly discouraged. The frequency of change of this registry should be controlled to no more than approximately once every 6 months, but the expert should consider the consequences of delaying a proposed change and may approve a change in less than 6 months from the prior change if it is warranted.

## Registry Content

This registry contains:

* + - * The UTF-8 “Value” of the entry.
      * A short description of the meaning of the value.
      * A reference to the document that created the entry.

## Initial Values

The initial [Report Number Type](#_bookmark20) registry entries are:

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| New | The report number is new | NENA/APCO- INF-005 |
| Ongoing | The report number has not changed | NENA/APCO- INF-005 |
| Reopened | The report number was previously issued, the related incident was closed and the report and/or incident are being activated again | NENA/APCO- INF-005 |

## Common Disposition Code

The “Common Disposition Code” data element is described in Section [3.10](#_bookmark7) ([Disposition Information](#_bookmark7) [Data Component](#_bookmark7)) of this document.

## Registry Management Policy

This registry will be managed with "Expert Review and Document Required" policy as described in NENA 70-001. The primary values for this registry are taken from a forthcoming APCO ANS entitled: Public Safety Communications Common Disposition Codes for Data Exchange. When this standard is changed, then the registry must be changed accordingly.

The Expert shall assess whether the proposed value is sufficiently distinct from existing values and whether the document is clear on when the proposed new value should be used instead of existing values. Proposed additions should have sufficient general use; vendor specific or regional specific values are highly discouraged. The frequency of change of this registry should be controlled to no more than approximately once every 6 months, but the expert should consider the consequences of delaying a proposed change and may approve a change in less than 6 months from the prior change if it is warranted.

## Registry Content

This registry contains:

* + - * The UTF-8 “Value” of the entry.
      * A short description of the meaning of the value.
      * A reference to the document that created the entry.

## Initial Values

The initial values of the [Common Disposition Code](#_bookmark21) registry are described in a forthcoming APCO ANS standard entitled: " Public Safety Communications Common Disposition Codes for Data Exchange”, where value is taken from the first column (“Dispo Code”), the short description is taken from the second column (“Disposition Descriptor”) and the document reference will be the APCO ANS standard number when it is issued.

## Person Type

The “Person Type” data element is described in Section [3.12](#_bookmark8) ([Person Information Data Component](#_bookmark8)) of this document.

## Registry Management Policy

This registry will be managed with "Expert Review and Document Required" policy as described in NENA 70-001.

The Expert shall assess whether the proposed value is sufficiently distinct from existing values and whether the document is clear on when the proposed new value should be used instead of existing values. Proposed additions should have sufficient general use; vendor specific or regional specific values are highly discouraged. The frequency of change of this registry should be controlled to no more than approximately once every 6 months, but the expert should consider the consequences of delaying a proposed change and may approve a change in less than 6 months from the prior change if it is warranted.

## Registry Content

This registry contains:

* + - * The UTF-8 “Value” of the entry.
      * A short description of the meaning of the value.
      * A reference to the document that created the entry.

## Initial Values

The initial [Person Type](#_bookmark22) registry entries are:

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| InvolvedPerson | Person described in the Person Information data component is involved in the incident. Used when no other relationship is known | NENA/APCO- INF-005 |

|  |  |  |
| --- | --- | --- |
| Patient | Person described in the Person Information data component is involved in the incident as a patient | NENA/APCO- INF-005 |
| PatientAcquaintance | Person described in the Person Information data component is an acquaintance of a patient involved in the incident | NENA/APCO- INF-005 |
| PatientRelative | Person described in the Person Information data component is a relative of a patient involved in the incident | NENA/APCO- INF-005 |
| PersonOfInterest | Person described in the Person Information data component is involved in the incident as a person of interest | NENA/APCO- INF-005 |
| ReportingParty | Person described in the Person Information data component is involved in the incident as a reporting party | NENA/APCO- INF-005 |
| Suspect | Person described in the Person Information data component is involved in the incident as a suspect | NENA/APCO- INF-005 |
| Victim | Person described in the Person Information data component is involved in the incident as a victim | NENA/APCO- INF-005 |
| VictimAcquaintance | Person described in the Person Information data component is an acquaintance of a victim involved in the incident | NENA/APCO- INF-005 |
| VictimRelative | Person described in the Person Information data component is a relative of a victim involved in the incident | NENA/APCO- INF-005 |
| Witness | Person described in the Person Information data component is involved in the incident as a witness | NENA/APCO- INF-005 |

## Vehicle Relationship Type

The “Vehicle Relationship Type” data element is described in Section [3.14](#_bookmark9) ([Vehicle Information Data](#_bookmark9) [Component](#_bookmark9)) of this document.

## Registry Management Policy

This registry will be managed with "Expert Review and Document Required" policy as described in NENA 70-001.

The Expert shall assess whether the proposed value is sufficiently distinct from existing values and whether the document is clear on when the proposed new value should be used instead of existing values. Proposed additions should have sufficient general use; vendor specific or regional specific values are highly discouraged. The frequency of change of this registry should be controlled to no more than approximately once every 6 months, but the expert should consider the consequences of delaying a

proposed change and may approve a change in less than 6 months from the prior change if it is warranted.

## Registry Content

This registry contains:

* + - * The UTF-8 “Value” of the entry.
      * A short description of the meaning of the value.
      * A reference to the document that created the entry.

## Initial Values

The initial [Vehicle Relationship Type](#_bookmark23) registry entries are:

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| AccidentVehicle | The vehicle described in the Vehicle Information data component is involved in the incident as an accident vehicle | NENA/APCO- INF-005 |
| InvolvedVehicle | The vehicle described in the Vehicle Information data component is involved in the incident. Used when no other relationship is known | NENA/APCO- INF-005 |
| SuspectVehicle | The vehicle described in the Vehicle Information data component is involved in the incident as a suspect's vehicle | NENA/APCO- INF-005 |
| VictimVehicle | The vehicle described in the Vehicle Information data component is involved in the incident as a victim's vehicle | NENA/APCO- INF-005 |
| WitnessVehicle | The vehicle described in the Vehicle Information data component is involved in the incident as a witness' vehicle | NENA/APCO- INF-005 |

## Location Type

The “Location Type” data element is described in Section [3.15](#_bookmark10) ([Location Information Data Component](#_bookmark10)) of this document.

## Registry Management Policy

This registry will be managed with "Expert Review and Document Required" policy as described in NENA 70-001.

The Expert shall assess whether the proposed value is sufficiently distinct from existing values and whether the document is clear on when the proposed new value should be used instead of existing values. Proposed additions should have sufficient general use; vendor specific or regional specific values are highly discouraged. The frequency of change of this registry should be controlled to no more

than approximately once every 6 months, but the expert should consider the consequences of delaying a proposed change and may approve a change in less than 6 months from the prior change if it is warranted.

## Registry Content

This registry contains:

* + - * The UTF-8 “Value” of the entry.
      * A short description of the meaning of the value.
      * A reference to the document that created the entry.

## Initial Values

The initial [Location Type](#_bookmark24) registry entries are:

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| Caller | The Location Information data component contains the caller's location | NENA/APCO- INF-005 |
| CurrentIncident | The Location Information data component contains the current location of the incident | NENA/APCO- INF-005 |
| Initial | The Location Information data component contains the initial incident's location | NENA/APCO- INF-005 |
| Investigation | The Location Information data component contains the incident's investigation location | NENA/APCO- INF-005 |
| Other | Location is unspecified | NENA/APCO- INF-005 |
| Staging | The Location Information data component contains a staging location for emergency responders assigned to the incident | NENA/APCO- INF-005 |
| TowerLocation | The Location Information data component contains the location of a cell tower that processed the call | NENA/APCO- INF-005 |
| UnitLocation | The Location Information data component contains the location of an emergency responder | NENA/APCO- INF-005 |

## Primary Unit Status-Common

The “Primary Unit Status-Common” data element is described in Sec[tion 3.17](#_bookmark11) ([Responder Information](#_bookmark11) [Data Component](#_bookmark11)) of this document.12

## Registry Management Policy

This registry will be managed with "Expert Review and Document Required" policy as described in NENA 70-001.

The Expert shall assess whether the proposed value is sufficiently distinct from existing values and whether the document is clear on when the proposed new value should be used instead of existing values. Proposed additions should have sufficient general use; vendor specific or regional specific values are highly discouraged. The frequency of change of this registry should be controlled to no more than approximately once every 6 months, but the expert should consider the consequences of delaying a proposed change and may approve a change in less than 6 months from the prior change if it is warranted.

## Registry Content

This registry contains:

* + - * The UTF-8 “Value” of the entry.
      * A short description of the meaning of the value.
      * A reference to the document that created the entry.

## Initial Values

The initial [Primary Unit Status](#_bookmark25) registry entries are:

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| Available | Emergency Unit is available for Dispatch | NENA/APCO- INF-005 |
| ConditionallyAvailable | Emergency Unit is assigned to an activity, but is available for dispatch or reassignment | NENA/APCO- INF-005 |
| NotAvailable | Emergency Unit is not available for Dispatch and cannot be assigned to a call | NENA/APCO- INF-005 |

## 5.13 Secondary Unit Status-Common

The “Secondary Unit Status-Common” data element is described in Section [3.17](#_bookmark11) ([Responder](#_bookmark11) [Information Data Component](#_bookmark11)) of this document.13

1. The purpose of the common (global) primary unit statuses is to enable an agency that needs a particular type of resource to ascertain the availability of that resource in a different agency and to either request that resource from the agency that owns it (mutual aid) or to assign it to an incident (automatic aid). In most situations, agreements will be structured between the two agencies enabling automatic and mutual aid.

## Registry Management Policy

This registry will be managed with "Expert Review and Document Required" policy as described in NENA 70-001.

The Expert shall assess whether the proposed value is sufficiently distinct from existing values and whether the document is clear on when the proposed new value should be used instead of existing values. Proposed additions should have sufficient general use; vendor specific or regional specific values are highly discouraged. The frequency of change of this registry should be controlled to no more than approximately once every 6 months, but the expert should consider the consequences of delaying a proposed change and may approve a change in less than 6 months from the prior change if it is warranted.

## Registry Content

This registry contains:

* + - * The UTF-8 “Value” of the entry.
      * A short description of the meaning of the value.
      * A reference to the document that created the entry.

## Initial Values

The initial [Secondary Unit Status-Common](#_bookmark26) registry entries are:

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| AcknowledgedTransmission | Emergency unit acknowledged receipt of a dispatch/assignment | NENA/APCO- INF-005 |
| AlternateLocation | Emergency unit is at an alternate location when used as a standalone secondary status or is en route to, transporting to, arrived at, etc. when used in combination with another secondary unit status-common | NENA/APCO- INF-005 |
| Arrived | Emergency unit arrived at the incident location or at some other location | NENA/APCO- INF-005 |

1. The purpose of the common (global) secondary unit statuses is to enable an agency that needs a particular type of resource to ascertain the availability of that resource in a different agency and to either request that resource from the agency that owns it (mutual aid) or to assign it to an incident (automatic aid). Note that this decision depends on both the primary and secondary unit statuses. In most situations, agreements will be structured between the two agencies enabling automatic and mutual aid.

The goal of the registry is to only include in it distinct entries that are readily identifiable. Multiple secondary statuses should be used to specify complex situations such as a unit en route to an alternate location associated with an incident. Assigning both the “EnRoute” and “AlternateLocation" secondary statuses to the unit is an example of secondary statuses that may be used to document this situation. Secondary statuses may be used to indicate either when a particular unit activity occurred (assignment cancelled) and/or when the unit's status has changed (en route).

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| Assigned | Emergency unit has been assigned to an incident or to some other event | NENA/APCO- INF-005 |
| AssignmentCancelled | Emergency unit's assignment to an activity has been cancelled. This is an observation useful for tracking unit history and incident progress | NENA/APCO- INF-005 |
| BacktoAssignedArea | Emergency unit is back to patrolling or covering its assigned area, beat, or district. This is an observation useful for tracking unit history | NENA/APCO- INF-005 |
| Backup | Emergency unit is backing up another emergency unit on an incident | NENA/APCO- INF-005 |
| Break | Emergency unit is on a break | NENA/APCO- INF-005 |
| CheckedIn | Emergency unit checked in with its dispatcher. This is an observation useful for tracking unit history and incident progress | NENA/APCO- INF-005 |
| Cleared | Emergency unit cleared the incident location or some other location | NENA/APCO- INF-005 |
| COP/POP | Emergency unit is involved in Community Oriented Policing or Problem Oriented Policing activities | NENA/APCO- INF-005 |
| Court | Emergency unit is assigned to Court | NENA/APCO- INF-005 |
| CoveringAlternateArea | Emergency unit is patrolling, has moved up, or is covering an alternate area, beat, station, or district when used as a standalone secondary status or is en route to, arrived at, etc. when used in combination with another secondary unit status- common | NENA/APCO- INF-005 |
| Delayed | Emergency unit is delayed from arriving at the incident's location or some other location | NENA/APCO- INF-005 |
| Departed | Emergency unit has departed a location, where another, simultaneously assigned, secondary unit status-common describes the destination (e.g., Departed and Court) | NENA/APCO- INF-005 |
| Dispatched | Emergency unit has been dispatched to an incident or some other event | NENA/APCO- INF-005 |
| EnRoute | Emergency unit is en route to an incident location or some other location | NENA/APCO- INF-005 |

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| EquipmentIssues | Emergency unit is experiencing equipment issues | NENA/APCO- INF-005 |
| Event | Emergency unit is at an event (parade, concert, etc.) when used as a standalone secondary status- common or is en route to, arrived at, etc. when used in combination with another secondary unit status-common | NENA/APCO- INF-005 |
| Hospital | Emergency unit is at the hospital when used as a standalone secondary unit status-common or is en route to, transporting to, arrived at, etc. when used in combination with another secondary unit status-common | NENA/APCO- INF-005 |
| InService | Emergency unit is in service | NENA/APCO- INF-005 |
| Investigation | Emergency unit is assigned to investigate an active or closed incident | NENA/APCO- INF-005 |
| Location | A location other than the incident that is used with en route, arrived, etc. | NENA/APCO- INF-005 |
| Meal | Emergency unit is at lunch, dinner, breakfast or some other meal | NENA/APCO- INF-005 |
| Meeting | Emergency unit is involved in a meeting when used as a standalone secondary unit status- common or is en route to, arrived at, etc. when used in combination with another secondary unit status-common | NENA/APCO- INF-005 |
| OffDuty | Emergency Unit is off duty | NENA/APCO- INF-005 |
| OnDuty | Emergency unit is on duty | NENA/APCO- INF-005 |
| OnScene | Emergency Unit is located at the scene (location) of the incident | NENA/APCO- INF-005 |
| OutofService | Emergency unit is out of service | NENA/APCO- INF-005 |
| PatientContact | Emergency responders made contact with a patient involved in the incident. This is an observation useful for tracking unit history and incident progress | NENA/APCO- INF-005 |
| Post | Emergency unit is at a post when used as a | NENA/APCO- |

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
|  | standalone secondary unit status-common or is en route to, arrived at, etc. when used in combination with another secondary unit status-common | INF-005 |
| ResponderInitiatedEvent | Emergency unit is on a self initiated event that is not a traffic stop | NENA/APCO- INF-005 |
| RollCall | Emergency unit is at Roll Call when used as a standalone secondary unit status-common or is en route to, arrived at, etc. when used in combination with another secondary unit status- common | NENA/APCO- INF-005 |
| Roster | Emergency unit has automatically been activated, but is not yet available and has not checked in | NENA/APCO- INF-005 |
| ShiftPending | Emergency unit’s end of shift is pending | NENA/APCO- INF-005 |
| Staging | Emergency unit is at an incident's staging location when used as a standalone secondary unit status- common or is en route to, arrived at, etc. when used in combination with another secondary unit status-common | NENA/APCO- INF-005 |
| Station | Emergency unit is at its headquarters, station, or substation when used as a standalone secondary unit status-common or is en route to, transporting to, arrived at, etc. when used in combination with another secondary unit status-common | NENA/APCO- INF-005 |
| TrafficStop | Emergency unit is on scene at a self initiated traffic stop | NENA/APCO- INF-005 |
| Training | Emergency unit and responders are participating in a training activity | NENA/APCO- INF-005 |
| Transporting | Emergency unit is transporting or escorting a person or equipment to a location or destination | NENA/APCO- INF-005 |
| Unmanned | Emergency unit is not adequately staffed | NENA/APCO- INF-005 |

# 6 Previous Acknowledgments

None, this is version 1.