NENA Standard for Emergency Incident Data Object (EIDO)

Abstract: 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.

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NENA Standard for Emergency Incident Data Object (EIDO)

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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 08-003[[1]](#_Detailed_Functional_and). 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.

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These definitions are based on IETF [RFC 2119](https://datatracker.ietf.org/doc/rfc2119/).

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## Reason for Issue/Reissue

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| **Document Number** | **Approval Date** | **Reason For Issue/Reissue** |
| --- | --- | --- |
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# Data Associated with an Emergency Incident

## Data Components

Chapter 3 (Data Associated with an Emergency Incident) identifies the data elements associated with an emergency incident grouped into various data components. Each data component has a common set of elements which include:

* Identifier ($id) – required - Globally unique identifier of the data component.
* lastUpdateTimeStamp - required - Timestamp of the last time the data component was modified. Must be in the W3C datetime format as specified in NENA STA 010.
* owningAgencyIdentifier - conditional - Owning Agency Identifier. This includes private and public providers. Agencies are globally unique. Must be present for EIDO aggregated by an IDX for multi-agency incident.
* updatedByAgentIdentifier - A globally unique identifier of the agent or automaton that updated the data component last.

## Data Component Table Structure

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.
* Minimum Number – the minimum occurrences of the data component allowed in EIDO instances.
* Maximum Number – 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.
* Linked By: Identifies the potential element that can link a data component. See the related component to determine the relationship.
* 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:

* JSON Name – 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.
* Minimum number – the minimum occurrences of the data element that may be included in the data component.
* Maximum Number – the maximum occurrences of the data element that may be included in the data component.
* Description – a general description of the data element. For complex data elements (data components), the description identifies the relationship between the two data components.

Chapter 6 (Recommended Reading and References) includes sources and references that can be used to obtain additional information about related NENA standards, NIEM, and global justice terminology and standards.

Chapter 3 (EIDO Registries) identifies registries that define the domain of values that must be used for specific EIDO elements.

## JSON Reference Data Component

**Data Component Use**: Optional component

**Min: 0**

**Max:** \*

**Child Of:** Agent,Agency, Split/Merge,Link,Incident,Call Data, Dispatch, Notes, Additional Data, Emergency Resource, Alarms and Sensors

**Data Component Description**: This Data Component is used by other data components to reference data components present elsewhere in the EIDO document.

| **JSON Reference Data Component** | | | | |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| $ref | Required | 1 | 1 | Data element containing the Identifier ($id) of the referenced data element. |

## 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.

| EIDO Header Data Component | | | | |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| EIDOVersion | Required | 1 | 1 | Version of the EIDO structure. For this version of the standard the value MUST be “1.0”. For non breaking change to the structure the minor version number will be incremented. For breaking change to the structure the major version number will be incremented. |
| incidentTrackingIdentifier | Required | 1 | 1 | An identifier assigned by the first element in the ESInet. The form of an Incident Tracking Identifier is defined in NENA-STA-010[[1]](#footnote-1)  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.  When EIDO is exchanged not as part of an incident, it contains an IncidentTrackingIdentifier as identified in STA-010 where “unique string” is “0”. Example: urn:emergency:uid:incidentid:0:police.state.pa.us |
| reasonForIssueRegistryText | Required | 1 | \* | 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 3.1](#_Reason_for_Issue), below, for the registry description. |
| issuingElementIdentification | Required | 1 | 1 | An identifier in the format of <name@owning\_agency> as defined in NENA-STA-010[[1]](#_bookmark12) . Identify the element that created the EIDO. |
| incidentCollaborationURL | Optional | 0 | \* | URL reference to multi-media collaboration information associated with the Incident. |
| mergeComponent | Optional | 0 | \* | Complex data element (Data Component). Contains merge and split information related to the incident. |
| linkComponent | Optional | 0 | \* | Complex data element (Data Component). Contains link information related to the incident. |
| incidentComponent | Optional | 0 | 1 | Complex data element (Data Component). Contains general information about the incident. |
| callComponent | Optional | 0 | \* | Complex data element (Data Component). Contains information about calls associated with the incident. |
| dispatchComponent | Optional | 0 | \* | Complex data element (Data Component). Contains dispatch information related to the incident. |
| notesComponent | Optional | 0 | \* | Complex data element (Data Component). Contains incident notes and comments associated with the incident. |
| emergencyResourceComponent | Optional | 0 | \* | Complex data element (Data Component). Indentifies emergency resources involved with the incident. |
| alarmsSensorComponent | Optional | 0 | \* | Complex data element (Data Component). Identifies Alarms/Sensors associated with the incident. |
| agencyComponent | Optional | 0 | \* | Complex data element (Data Component). Identifies all agencies involved with the incident. |
| agentComponent | Optional | 0 | \* | Complex data element (Data Component). Identifies all agent involved with the incident. |
| additionalDataComponent | Optional | 0 | \* | Complex data element (Data Component). All additional data related to the incident. |
| locationComponent | Optional | 0 | \* | Complex data element (Data Component). All location related to the incident. |
| personComponent | Optional | 0 | \* | Complex data element (Data Component). Every person related to the incident. |
| vehicleComponent | Optional | 0 | \* | Complex data element (Data Component). Every vehicle related to the incident. |

## Agent Data Component

**Data Component Use**: Required Component

**Minimum Number: 1**

**Maximum Number:** \*

**Linked by:** 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.

| **Agent Data Component** | | | | |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| agentIdentification | Required | 1 | 1 | 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) |
| agentWorkstationPositionIdentification | Conditional: Required if incident is active, optional  otherwise | 0 | 1 | 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) |
| agentRoleRegistryText | Required | 1 | \* | The Role of agent or automaton – dispatcher, call taker, responder, IMR etc. In the case that the agent is a field 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. |
| notesReference | Optional | 0 | \* | Reference to a Notes Data Component. Contains optional alphanumeric text further describing the agent. |
| agencyReference | Conditional:  Required if this is the agent in the EIDO Header, Optional otherwise. | 0 | 1 | Reference to an Agency 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. |

## Agency 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.

| **Agency Data Component** | | | | |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| organizationIdentification | Required | 1 | 1 | Agency Identifier. This includes private and public providers. Agencies are globally unique. See NENA-STA-010 Agency Identifier section for the format and requirements.  The agency whose identifier is found in this element MUST have a record in the Service/Agency Locator as defined in NENA-STA-010.) |
| agencyRoleDescriptionRegistryText | Required | 1 | 1 | 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 [3.2](#_Agency_Role_Registry), below, for the registry description. |
| agencyType | Required | 1 | \* | 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 |
| notesReference | Optional | 0 | \* | Reference to a Notes Data Component. Contains optional alphanumeric text further describing the agency. |
| incidentOwningAgencyIndicator | Optional | 0 | 1 | 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. Used to enable the exchange and update of incident ownership information. |

## Split/Merge 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.

| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| --- | --- | --- | --- | --- |
| incidentTrackingIdentifier | Required | 1 | 1 | 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. |
| incidentMergeDirectionCode | Required | 1 | 1 | 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. |
| agentReference | Optional | 0 | 1 | Reference to an Agent 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. |

## Link 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) .

| **Link Data Component** | | | | |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| incidentTrackingIdentifier | Required | 1 | 1 | 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. |
| transactionReasonText | Optional | 0 | 1 | Free format narrative description of the reason for the link. |
| agentReference | Optional | 0 | 1 | Reference to an Agent Data Component. Identifies the agent and agency that completed the link operation. Defaults to the Agent Information included in the EIDO header, if this data component is not present. |
| involvedAgencyReference | Conditional | 0 | \* | Agencies involved with the linked incident. Must be populated if the agency sending the EIDO is not involved with the linked incident. |
| linkDirectionCode | Required | 1 | 1 | 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. |

## Incident 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. 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.

| **Incident Data Component** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | | **Max** | **Description** |
| incidentTypeInternalCode | Optional | 0 | | 1 | An alphanumeric code indicating the category of the incident. This is the internal code used by the local agencies involved in the incident. |
| incidentTypeInternalText | Optional | 0 | | 1 | Textual description indicating the category of the incident. This is the internal text used by the local agencies involved in the incident. |
| incidentTypeCommonRegistryText | Required | 1 | | 1 | Incident type code that is available in the EIDO Registries (see Sec[tion 3.3](#_Incident_Type_–), 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. 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. |
| incidentStatusInternalText | Optional | 0 | | \* | 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. |
| incidentStatusCommonRegistry  Text | Optional | 0 | | \* | Incident status code that is available in the EIDO Registries (see Section [3.4](#_Incident_Status-Common), 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. 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. |
| internalIncidentID | Optional | 0 | | 1 | The Internal incident ID as an alphanumeric string assigned by the agency involved in the incident. Used To exchange incident information between systems using the same internal Incident IDs. Maintained for conformance with legacy systems. |
| agentReference | Optional | 0 | | 1 | Reference to an Agent 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. |
| locationReference | Optional  (Required if available) | 0 | | \* | Reference to an Location Data Component. Contains incident location information entered or updated by an agent receiving a call associated with the incident. |
| personReference | Optional | 0 | | \* | Reference to an Person Data Component. Contains person information entered or updated by an agent receiving a call associated with the incident. |
| vehicleReference | Optional | 0 | | \* | Reference to an Vehicle Data Component. Contains vehicle information entered or updated by an agent receiving a call associated with the incident. |
| document Identification | Optional | | 0 | \* | 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. Also used by agency supervisor and other personnel to track the status of reports. |
| reportNumberType | Conditional: If Report Number is present Report Number Type must  be present | | 0 | 1 | Report number type codes that are available in the EIDO Registries (see Section [3.](#_bookmark20)8, below, for the registry description); may be New or Reopened. |
| incidentPriorityInternaltext | Optional | | 0 | 1 | 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. |
| incidentCommonPriorityNumber | Optional | | 0 | 1 | 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. |
| beatOrDispatchGroupText | Optional | | 0 | 1 | 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. |
| disposition | Optional | | 0 | \* | Complex data element. Contains incident disposition information entered or updated by a dispatch agent and/or an emergency responder. |
| notesReference | Optional | | 0 | \* | Reference to a Notes Data Component. Contains optional alphanumeric text further describing the incident. |

## Call 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.

| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| --- | --- | --- | --- | --- |
| callIdentifier | Required | 1 | 1 | 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 NENA-STA-010.3-202x. |
| relatedCallIdentifier | optional | 0 | \* | CallIdentifier of calls that are related to this call. Eg: Callbacks |
| queueIdentifier | optional | 0 | 1 | An identifier of a queue where the call is currently on. |
| callTypeDescriptionRegistryText | Required | 1 | 1 | Call origination designation from the available call origination values in the EIDO Registries (see Sec[tion 3.5,](#_Call_Origination) below, for the registry description); i.e., Emergency Call, Field Initiated, etc. |
| additionalDataReference | optional | 0 | \* | Reference to an Additional Data Data Component. 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-STA-012.2-2017. |
| activityDateRange | Required | 1 | 1 | 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 NENA-STA-010.3-202x [[1]](#_bookmark12) . |
| callStatusRegistryText | Required | 1 | 1 | Current call status (when the EIDO was created) from the available call statuses in the EIDO Registries (see section [3.6](#_Call_Status), below, for the registry description); i.e., Received, Active, Disconnected, Transferred, Terminated Normally, etc. |
| callMediaURL | Optional | 0 | \* | Location where media associated with the call (images, streaming video, streaming audio, etc.) is available. |
| deviceCallBackInformationURL | Required | 1 | \* | Information that enables agents and responders to reach (call back) 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. URI(s) found in the P-Asserted-Identity header if provided else the URI in the From header. |
| deviceContactHeader | Required | 1 | 1 | Content of the device contact header. |
| agentReference | Optional | 0 | \* | Reference to an Agent 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. |
| updatedCBN | Optional | 0 | \* | Complex data element. Identifies additional telephone numbers and SIP equivalents that can be used to contact the individual that made the call described in this data component. |
| verstat | Conditional | 0 | 1 | Value of the verstat parameter. Required if known. |
| SIPIdentity | Conditional | 0 | 1 | Content of the SIP identity header. Required if known. |
| locationReference | Optional | 0 | \* | Reference to a Location Data Component. Contains call location information received with the call or updated by the agent receiving the call. |
| notesReference | Optional | 0 | \* | Reference to a Notes Data Component. Contains optional alphanumeric text further describing the call. |
| personReference | Optional | 0 | \* | Reference to a Person Data Component. Contains information about the callers making a call that was received by the agent receiving the call. |

## Updated Call Back Number 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.

| **Updated Call Back Number Data Component** | | | | |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| updatedCBNIdentifierURI | Required | 1 | 1 | 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. |
| updatedCBNCallerDescription | Optional | 0 | 1 | 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.) |

## Dispatch 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

| **Dispatch Data Component** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | | **Min** | **Max** | | **Description** | |
| organizationIdentification | Optional | 0 | | | 1 | | 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) . |
| agentReference | Optional | 0 | | | 1 | | Reference to an Agent 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. |
| emergencyResourceReference | Optional | 0 | | | \* | | Reference to an Emergency Resource 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. |
| notesReference | Optional | 0 | | | \* | | Reference to a Notes Data Component. Contains optional alphanumeric text further describing the dispatch. |

## Disposition 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.

| **Disposition Data Component** | | | | |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| dispositionCommonRegistryCode | Required | 1 | 1 | 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. They are used to exchange the status and follow up requirements of an incident upon its closure. The disposition codes are drawn from a registry containing common disposition codes for Police, Fire EMS disciplines. See Section [3.8](#_Common_Disposition_Code), below, for the description of the registry. |
| dispositionPrimaryIndicator | Optional | 0 | 1 | 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. |
| dispositionCategoryText | Optional | 0 | 1 | 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. |
| dispositionDescriptionText | Conditional: If Disposition Code Type is present, this element is required; Optional  otherwise. | 0 | 1 | Descriptive text describing the Disposition Code Internal. Disposition codes may be agency specific and this field explains the meaning of the internal disposition code. |
| notesReference | Optional | 0 | \* | Reference to a Notes Data Component. Contains optional alphanumeric text further describing the 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.

| **Notes Data Component** | | | | |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| notesActionComments | Required | 1 | 1 | 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. |
| agentReference | Optional | 0 | 1 | Reference to an Agent 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. |

## Person 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.

| **Person Data Component** | | | | |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| personIncidentRoleRegistryText | Required | 1 | \* | Describes the relationship (Caller, Victim, suspect, etc.) of a person to the incident.  Available person types are contained in an EIDO registry. See section [3.9](#_Person_Type), below for the registry description. Note that there could be multiple relationships as when the reporting party is also the victim. |
| locationReference | Optional | 0 | \* | Reference to an Location Data Component. Location of the person. |
| notesReference | Optional | 0 | \* | Reference to a Notes Data Component. Contains optional alphanumeric text further describing the person. |
| ncPerson | Required | 1 | 1 | NIEM Core Person Type, a data type for a human being. |
| additionalData | Required | 0 | \* | Additional Data about a person. |

## Additional Data About a Caller 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.).

| **Additional Data About a Caller Data Component** | | | | |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| additionalDataURL | Conditional: Required if the data element below (Additional Data Associated with a Caller by Value) is  blank | 0 | 1 | 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. |
| additionalDataDetail | Conditional: Required if the data element above (Additional Data Associated with a Caller by Value) is  blank | 0 | 1 | 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. |
| notesReference | Optional | 0 | \* | Reference to a Notes Data Component. Contains notes and comments related to the incident tracking ID that were entered by agents and emergency responders. |

## Vehicle 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.

| **Vehicle Data Component** | | | | |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| vehicleRelationshipType | Required | 1 | \* | 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 3.10](#_Vehicle_Relationship_Type), below, for the registry description. |
| vehicleRelationshipTimeStamp | Required | 1 | 1 | 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. |
| additionalDataReference | Optional | 0 | \* | Reference to an Additional Data Data Component. Additional information about a vehicle that is involved in or related to the incident. There may be multiple data providers for one vehicle.  Additional Information is defined in NENA 71-001. |
| locationReference | Optional | 0 | \* | Reference to an Location Data Component. Location of the vehicle. |
| notesReference | Optional | 0 | \* | Reference to a Notes Data Component. Contains optional alphanumeric text further describing the vehicle. |
| ncVehicleComponents | Required | 1 | 1 | NIEM Core Vehicle Type. A data type for a conveyance designed to carry an operator, passengers and/or cargo, over land. |

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

The location data component references or includes a PIDF-LO which is a PIDF(RFC 3863) with location information (LO) (RFC 4119) included.

| **Location Data Component** | | | | |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| locationTypeDescriptionRegistry  Text | Required | 1 | 1 | Location type (Caller, Initial, Current, Staging, Investigation, Tower Location, Other) as defined in a registry. See Section [3.11](#_Location_Type), below for the registry description. |
| locationByValue | Conditional: Either the Location By Value or the Location By  Reference must be  populated, but not both. | 0 | 1 | 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. |
| locationByReferenceURL | Conditional: Either the Location By Value or the Location By Reference must be  populated, but not both. | 0 | 1 | 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. |
| locationDescriptionText | Optional | 0 | 1 | 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. |
| crossStreetByValue | Optional | 0 | 1 | The nearest cross street to the incident’s location in PIDF-LO format. |
| crossStreetByReferenceURL | Optional | 0 | 1 | The URL of the nearest cross street to the incident’s location. |
| intersectingStreetByValue | Optional | 0 | 1 | The nearest intersection to the incident’s location in PIDF-LO format. |
| intersectingStreetByReferenceURL | Optional | 0 | 1 | The URL of the nearest intersection to the incident’s location. |
| cellTowerSectorID | Optional | 0 | 1 | Text field contain the id of the nearest cell tower and the sector/face of the tower receiving the call. May be used with the “Provided By” field of the PIDF-LO to identify the carrier if carrier specific data is needed. |
| additionalDataReference | Optional | 0 | 1 | Reference to Additional Data Data Component. Contains additional data associated with a location that arrives with a call received by the agency and agent handling the incident. |
| notesReference | Optional | 0 | \* | Reference to a Notes Data Component. Contains optional alphanumeric text further describing the location. |

## 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.

| **Additional Data Associated with a Location Data Component** | | | | |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | **Min** | **Max** | **Description** |
| additionalDataURL | Conditional: should not be populated if the data element below (Additional Data Associated with a Location) is populated. | 0 | 1 | The URL is a link to additional information data component received about the parent. Allow the dereferencing of additional information associated with the location of a call related to the incident. |
| additionalDataDetail | Conditional: Should not be populated if the data element above is populated. | 0 | 1 | If additional data associate with a call is by value these fields contain thee information.  (NENA 71-001) |
| notesReference | Optional | 0 | \* | Reference to a Notes Data Component. Contains notes and comments related to the incident tracking ID that were entered by agents and emergency responders. |

## 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.

| **Emergency Resource Data Component** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | | **Min** | | **Max** | | **Description** |
| emergencyResourceTypeCommonRegistryText | Required | | 1 | | 1 | | A standard code for an emergency type (fire truck, police vehicle, etc.). Restricted to values in EIDO-EmergencyResourceType-Common registry. |
| emergencyResourceTypeInternalText | Optional | | 0 | | 1 | | A local code for an emergency resource type. |
| resourceAttributeRegistryText | Required | | 0 | | \* | | A standard code for an emergency resource attribute (skill and equipment) possessed by an emergency resource). Restricted to values in EIDO- ResourceAttribute registry. |
| enforcementUnitName | Required | | 1 | | 1 | | 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) |
| primaryUnitStatusRegistryText | Required | 1 | | | 1 | | 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 [3.12](#_Primary_Unit_Status-Common), 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. |
| secondaryUnitStatusRegistryText | Required | 1 | | | \* | | 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 3.13](#_Secondary_Unit_Status-Common), 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. |
| notesReference | Optional | 0 | | | 1 | | Reference to a Notes Data Component. Contains notes and comments related to the  status of an emergency responder (e.g., time that status is expected to change, etc.) |
| unitStatusInternal | Optional | 0 | | | \* | | 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. |
| agentReference | Required | 1 | | \* | | Reference to an Agent 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.). | |
| unitLocationReference | Optional | 0 | | | 1 | | Reference to an Location Data Component.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. |
| unitDestinationReference | Optional | 0 | | | 1 | | Reference to an Location Data Component. Location where the Emergency Resource is going. |
| ETA | Optional | 0 | | | 1 | | Timestamp of when the unit is expected to reach it's destination |
| personReference | Optional | 0 | | \* | | Reference to an Person Data Component. Contains person information entered or  updated directly by an emergency responder. | |
| vehicleReference | Optional | 0 | | \* | | Reference to a Vehicle Data Component. Contains vehicle information entered or updated directly by an emergency responder. | |
| disposition | Optional | 0 | | \* | | Complex data element. Contains incident disposition information entered or updated directly by an emergency  responder. | |
| additionalDataReference | Optional | 0 | | \* | | Reference to an Additional Data Data Component. Additional information about a emergency resource that is involved in or related to the incident. There may be multiple data providers for one emergency resource.  Additional Information is defined in NENA 71-001. | |

## 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.

| **Alarms and Sensors Data Component** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **JSON Name** | **Use (required, optional,**  **conditional)** | | **Min** | **Max** | **Description** |
| CSAAAlarmInformation | Conditional: Required if the Alarms and Sensors URL data element below is empty.  Otherwise it should be empty. | | 0 | 1 | Original automated alarm data that triggered the creation of the incident.  Read in NIEM schema  Alarm and Sensor data. For Alarms this would be the APCO/CSAA ANS  2.101.1-2008 standard. |
| alarmURL | Conditional: Required if the CSAA Alarm Information data element above is empty.  Otherwise it should be empty. | 0 | | 1 | Link to the automated alarm data that initiated the incident. There may be more than one transmission for a single incident.  Enable the receiving agency to dereference and obtain the original alarm information that triggered the incident. |
| agentReference | Optional | 0 | | 1 | Reference to an Agent 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. |
| notesReference | Optional | 0 | | \* | Reference to a Notes Data Component. Contains optional alphanumeric text further describing the incident. |

# IANA Actions

This section describes the EIDO registries defined for the Data Components contained in Chapter 2 of the document.

Each defined EIDO registry is linked to one or more data elements specified in the data components contained in Chapter 2 (Data Associated with an Emergency Incident). 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 2.4 (EIDO Header Data Component) of the document.

IANA is requested to add the following values to the “EIDO-ReasonForIssue” registry

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

## Agency Role Registry

The “Agency Role” data element is described in Section 2.6 (Agency Information Data Component) of the document.

IANA is requested to add the following values to the “EIDO-AgencyRole” registry

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| Assisting | An agency is assisting on, or being consulted regarding an incident. | [This document](http://www.nena.org/?page=eidd) |
| CallReceiving | The Agency that received the emergency call. | [This document](http://www.nena.org/?page=eidd) |
| Dispatched | The Agency that had emergency resources dispatched to an incident. | [This document](http://www.nena.org/?page=eidd) |
| Dispatching | The Agency that dispatched emergency resources to an incident. | [This document](http://www.nena.org/?page=eidd) |
| Informational | An agency is receiving information regarding an incident, but is not otherwise participating. | [This document](http://www.nena.org/?page=eidd) |
| TransferredTo | The Agency to which the emergency call is being transferred. | [This document](http://www.nena.org/?page=eidd) |

## Agent Role Registry

The “Agent Role” data element is described in Section 2.5 (Agent Data Component) of the document.

IANA is requested to add the following value to the “AgentRoles” registry

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| IMR | Interactive Media Responder | This document |

## Incident Type – Common Registry

The “Incident Type – Common” data element is described in Section 2.9 (Incident Information Data Component) and Section 2.12 (Dispatch Information Data Component) of the document.

IANA is requested to add the following values to the “EIDO-IncidentType-Common” registry.

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| NONEMERG | The incident is not an emergency. | This document |
| 911H | 911 HANG UP | APCO 2.103.2-2019 |
| 911OPN | 911 OPEN LINE | APCO 2.103.2-2019 |
| ABDOM | ABDOMINAL PAIN OR PROBLEMS | APCO 2.103.2-2019 |
| ABDUCTF | ABDUCTION FAMILY | APCO 2.103.2-2019 |
| ABDUCTNF | ABDUCTION NON-FAMILY | APCO 2.103.2-2019 |
| ABUSE | ABUSE | APCO 2.103.2-2019 |
| ACCIND | INDUSTRIAL ACCIDENT | APCO 2.103.2-2019 |
| ACTSHOOT | ACTIVE SHOOTER | APCO 2.103.2-2019 |
| ADMIN | ADMINISTRATIVE | APCO 2.103.2-2019 |
| AIR | AIRCRAFT RELATED INCIDENTS | APCO 2.103.2-2019 |
| AIRINC | AIRPORT INCIDENT (NOT AIRCRAFT) | APCO 2.103.2-2019 |
| ALIEN | IMMIGRATION | APCO 2.103.2-2019 |
| ALLERGIC | ALLERGIC REACTION, INSECT STINGS | APCO 2.103.2-2019 |
| ALMA | ALARM AUDIBLE | APCO 2.103.2-2019 |
| ALMB | COMMERCIAL ALARM | APCO 2.103.2-2019 |
| ALMH | PANIC/DURESS/HOLD UP ALARM | APCO 2.103.2-2019 |
| ALMR | RESIDENTIAL ALARM | APCO 2.103.2-2019 |
| ALRBA | BURGLAR ALARM- AUDIBLE | APCO 2.103.2-2019 |
| ALRBOX | BOX ALARM | APCO 2.103.2-2019 |
| ALRBS | BURGLAR ALARM - SILENT | APCO 2.103.2-2019 |
| ALRCO | CARBON MONOXIDE | APCO 2.103.2-2019 |
| ALRCO2 | FIRE ALARM - CO2 | APCO 2.103.2-2019 |
| ALRDEFIB | AUTOMATED IMPLANTABLE CARDIAC DEFIBRILLATOR (AICD) ALARM OR EVENT | APCO 2.103.2-2019 |
| ALRF | GENERIC FIRE ALARM | APCO 2.103.2-2019 |
| ALRGAS | FIRE ALARM - GAS | APCO 2.103.2-2019 |
| ALRHEAT | FIRE ALARM - HEAT | APCO 2.103.2-2019 |
| ALRKPAD | FIRE ALARM - KEYPAD | APCO 2.103.2-2019 |
| ALRMED | MEDICAL ALARM | APCO 2.103.2-2019 |
| ALRNGAS | FIRE ALARM - NAT GAS | APCO 2.103.2-2019 |
| ALRPANA | PANIC ALARM AUDIBLE | APCO 2.103.2-2019 |
| ALRPANS | PANIC ALARM SILENT | APCO 2.103.2-2019 |
| ALRPROPN | FIRE ALARM - PROPANE | APCO 2.103.2-2019 |
| ALRPULL | FIRE ALARM - PULL STATION | APCO 2.103.2-2019 |
| ALRROBA | ROBBERY ALARM AUDIBLE | APCO 2.103.2-2019 |
| ALRROBS | ROBBERY ALARM SILENT | APCO 2.103.2-2019 |
| ALRU | ALARM UNK | APCO 2.103.2-2019 |
| ALRVEH | VEHICLE ALARM | APCO 2.103.2-2019 |
| ALRWTR | FIRE ALARM - WATER FLOW | APCO 2.103.2-2019 |
| ALS | ADVANCED LIFE SUPPORT INCIDENT | APCO 2.103.2-2019 |
| ANIMAL | ANIMAL | APCO 2.103.2-2019 |
| ASSAULT | WITH OR WITHOUT INJURY | APCO 2.103.2-2019 |
| ASSIST | ASSIST TO OTHER AGENCY OR REQUEST FOR MANPOWER | APCO 2.103.2-2019 |
| ATL | ATL | APCO 2.103.2-2019 |
| BACK | NON-TRAUMATIC | APCO 2.103.2-2019 |
| BARICADE | BARRICADED | APCO 2.103.2-2019 |
| BIO | BIOLOGICAL THREAT | APCO 2.103.2-2019 |
| BITE | ANIMAL BITES OR ATTACK BY AN ANIMAL | APCO 2.103.2-2019 |
| BLDCLPSE | COLLAPSED BUILDING INCLUDES TECHNICAL RESCUE INCIDENTS | APCO 2.103.2-2019 |
| BLEEDING | INCLUDES RECTAL, VAGINAL, NON-TRAUMATIC | APCO 2.103.2-2019 |
| BLS | BASIC LIFE SUPPORT INCIDENT | APCO 2.103.2-2019 |
| BOMB | BOMB THREAT OR INVESTIGATION | APCO 2.103.2-2019 |
| BRGCLPSE | BRIDGE COLLAPSE | APCO 2.103.2-2019 |
| BURGLARY | BURGLARY | APCO 2.103.2-2019 |
| BURN | BURNS | APCO 2.103.2-2019 |
| CARDIAC | CARDIAC RELATED EVENT, HEART ATTACK, CHEST PAIN | APCO 2.103.2-2019 |
| CARJACK | CARJACK | APCO 2.103.2-2019 |
| CDX | CIVIL DISPUTE | APCO 2.103.2-2019 |
| CHEMICAL | INCLUDES CHEMICAL AND ENVIRONMENTAL INCIDENTS | APCO 2.103.2-2019 |
| CHESPAIN | CHEST PAIN NON-CARDIAC | APCO 2.103.2-2019 |
| CHOKE | CHOKING | APCO 2.103.2-2019 |
| CITASST | PUBLIC ASSISTANCE, CITIZEN STANDBY, PUBLIC SERVICE | APCO 2.103.2-2019 |
| CIVDIS | CIVIL DISOBEDIENCE | APCO 2.103.2-2019 |
| CIVIL | CIVIL | APCO 2.103.2-2019 |
| CNTRFT | COUNTERFEIT MONEY | APCO 2.103.2-2019 |
| COURT | COURT ORDER SERVE | APCO 2.103.2-2019 |
| CRIMPS | IMPERSONATION | APCO 2.103.2-2019 |
| CRIMTRAF | CRIMINAL TRAFFIC | APCO 2.103.2-2019 |
| CRWD | LARGE, ROWDY CROWD | APCO 2.103.2-2019 |
| CU1 | CIVIL UNREST VIOLENT | APCO 2.103.2-2019 |
| CU2 | CIVIL UNREST NON-VIOLENT | APCO 2.103.2-2019 |
| CU3 | CIVIL UNREST INFORMATION | APCO 2.103.2-2019 |
| CURFEW | CURFEW VIOLATION | APCO 2.103.2-2019 |
| CUST | CUSTODIAL ISSUES | APCO 2.103.2-2019 |
| DEATH | OBVIOUS DEATH, FOUND BODY | APCO 2.103.2-2019 |
| DEATHNTF | DEATH NOTIFICATION | APCO 2.103.2-2019 |
| DIABETIC | DIABETIC | APCO 2.103.2-2019 |
| DISORD | DISORDERLY | APCO 2.103.2-2019 |
| DISVEH | DISABLED VEHICLE | APCO 2.103.2-2019 |
| DMPX | PERSON DUMPING RUBBISH, IN PROGRESS | APCO 2.103.2-2019 |
| DROWN | DROWNING | APCO 2.103.2-2019 |
| DRUGPAR | DRUG PARAPHERNALIA | APCO 2.103.2-2019 |
| DRUGS | DRUGS | APCO 2.103.2-2019 |
| DUI | DUI | APCO 2.103.2-2019 |
| DVA | DOMESTIC VIOLENT | APCO 2.103.2-2019 |
| DVNA | DOMESTIC NON-VIOLENT | APCO 2.103.2-2019 |
| EDP | EDP, EMOTIONAL DISTURBANCE, ABNORMAL BEHAVIOR | APCO 2.103.2-2019 |
| ELEC | INCLUDES STRUCK BY LIGHTNING | APCO 2.103.2-2019 |
| ELECHZD | ELECTRICAL HAZARD | APCO 2.103.2-2019 |
| ELUDING | ELUDING | APCO 2.103.2-2019 |
| ENTRAP | INCLUDES ACCIDENTAL ENTRAPMENTS AND INACCESSIBLE INCIDENTS | APCO 2.103.2-2019 |
| ESCAPE | ESCAPE | APCO 2.103.2-2019 |
| EXPLOS | EXPLOSION | APCO 2.103.2-2019 |
| EXPOSURE | HEAT OR COLD EXPOSURE | APCO 2.103.2-2019 |
| EXTORT | EXTORT | APCO 2.103.2-2019 |
| EYE | EYE PROBLEMS OR INJURY | APCO 2.103.2-2019 |
| FAIRC | FIRE AIRCRAFT | APCO 2.103.2-2019 |
| FALL | FALL | APCO 2.103.2-2019 |
| FAM | FAMILY OFFENSE | APCO 2.103.2-2019 |
| FAPT | FIRE APARTMENT | APCO 2.103.2-2019 |
| FARSON | FIRE ARSON | APCO 2.103.2-2019 |
| FAS | FELONIOUS ASSAULT - NO SUSPECT | APCO 2.103.2-2019 |
| FASX | FELONIOUS ASSAULT - SUSPECT IN AREA | APCO 2.103.2-2019 |
| FBRUSH | INCLUDES TRESS, BRUSH GRASSCONTROLLED BURNS WITH NO STRUCTURAL EXPOSURE, OUTDOOR FIRES | APCO 2.103.2-2019 |
| FELEC | FIRE ELECTRICAL, INCLUDES ARCING WIRES, SHORTED ELECTRICAL EQUIPMENT, LIGHT BALLAST, TRANSFORMERS. | APCO 2.103.2-2019 |
| FFUEL | INCLUDES GAS STATIONS, FUEL REFINERY | APCO 2.103.2-2019 |
| FIGHT | FIGHT | APCO 2.103.2-2019 |
| FIREWRKS | FIREWORKS | APCO 2.103.2-2019 |
| FMARINE | FIRE MARINE, INCLUDES MARINE VESSELS & BOATS ON WATERWAYS (FOR BOATS ON LAND USE FIRE VEHICLE) | APCO 2.103.2-2019 |
| FORCENTR | INCLUDES BREECH, FORCIBLE ENTRY REQUIRED FOR STRUCTURE, RESIDENTIAL LOCK OUTS | APCO 2.103.2-2019 |
| FOTHER | INCLUDES OTHER TYPES NOT LISTED | APCO 2.103.2-2019 |
| FRAUD | FRAUD, BAD CHECKS, ID THEFT, COUNTERFEIT MONEY | APCO 2.103.2-2019 |
| FREPORT | RESPONSE TO TAKE FIRE REPORT ONLY NO ACTIVE FIRE, INCIDENT NOT IN PROGRESS | APCO 2.103.2-2019 |
| FSMOKE | FIRE SMOKE, INCLUDES FIRE INVESTIGATIONS, SMOKE ODORS NO FLAMES SEEN | APCO 2.103.2-2019 |
| FSTRU | INCLUDES SHEDS, ATTACHED GARAGES, HOUSE FIRES | APCO 2.103.2-2019 |
| FTRAILER | FIRE TRAILER | APCO 2.103.2-2019 |
| FTRAIN | ANY TYPE OF RAILWAY FIRE, LOCOMOTIVE, RAIL CAR, PASSENGER CAR, ETC. | APCO 2.103.2-2019 |
| FTRASH | FIRE TRASH, REFUSE FIRES, GARBAGE CANS, DUMPSTERS | APCO 2.103.2-2019 |
| FTRUCK | INCLUDES LARGE VEHICLES SUCH AS RV, TRACTOR TRAILERS, DUMP TRUCKS, BUSES | APCO 2.103.2-2019 |
| FUNK | FIRE UNKNOWN | APCO 2.103.2-2019 |
| FVEH | FIRE VEHICLE | APCO 2.103.2-2019 |
| FVEH | INCLUDES SMALL OR MEDIUM SIZE VEHICLES, CARS, SUVS, CANS, PICK-UP TRUCKS | APCO 2.103.2-2019 |
| GASLEAK | INCLUDES NATURAL GAS, LIQUID FUEL OR PROPANE LEAKS | APCO 2.103.2-2019 |
| GASLEAKI | GAS LEAK INSIDE | APCO 2.103.2-2019 |
| GASLEAKO | GAS LEAK OUTSIDE | APCO 2.103.2-2019 |
| HARR | HARASSMENT | APCO 2.103.2-2019 |
| HATE | HATE CRIME | APCO 2.103.2-2019 |
| HAZ | WIRES DOWN, OTHER NATURAL HAZARDS | APCO 2.103.2-2019 |
| HAZMAT | HAZARDOUS MATERIALS INCIDENT CAN INCLUDE LARGE FUEL SPILL (>100 GALLONS), CHEMICAL, BIOLOGICAL, RADIOLOGICAL OR NUCLEAR | APCO 2.103.2-2019 |
| HEADACHE | HEADACHE | APCO 2.103.2-2019 |
| HEMRG | HEMORRHAGE | APCO 2.103.2-2019 |
| HLP1 | POLICE/FIRE/EMS IN TROUBLE | APCO 2.103.2-2019 |
| HLP2 | POLICE/FIRE/EMS NONEMERGENCY | APCO 2.103.2-2019 |
| HOLD | CITIZEN/SECURITY HOLDING SUSPECT | APCO 2.103.2-2019 |
| HOMICIDE | HOMICIDE | APCO 2.103.2-2019 |
| HOSTAGE | HOSTAGE | APCO 2.103.2-2019 |
| IMP | IMPERSONATION | APCO 2.103.2-2019 |
| INDECENT | INDECENT | APCO 2.103.2-2019 |
| INFO | INFO | APCO 2.103.2-2019 |
| INTERNET | INTERNET CRIMES | APCO 2.103.2-2019 |
| INTOX | INTOXICATED | APCO 2.103.2-2019 |
| INVEST | INVESTIGATION | APCO 2.103.2-2019 |
| JUV | JUVENILE OFFENSE | APCO 2.103.2-2019 |
| LARCENY | LARCENY | APCO 2.103.2-2019 |
| LIQUOR | LIQUOR VIOLATION | APCO 2.103.2-2019 |
| MAJORINC | MAJOR INCIDENT | APCO 2.103.2-2019 |
| MAYDAY | MAYDAY | APCO 2.103.2-2019 |
| MAYDAY | IMMEDIATE ASSISTANCE, REQUEST, EMERGENCY BACK-UP REQUEST | APCO 2.103.2-2019 |
| MCI | MCI - TYPICALLY USED AS A CODE DECLARED BY INCIDENT COMMAND | APCO 2.103.2-2019 |
| MISBOATR | MISSING BOATER | APCO 2.103.2-2019 |
| MISCON | MISCONDUCT | APCO 2.103.2-2019 |
| MNTL | MENTAL PERSON NON-VIOLENT | APCO 2.103.2-2019 |
| MTLV | MENTAL PERSON VIOLENT | APCO 2.103.2-2019 |
| MVA | MOTOR VEHICLE ACCIDENT, NO INJURY - CAN BE RECEIVED AS AUTOMATED CRASH NOTIFICATION | APCO 2.103.2-2019 |
| MVAHR | HIT & RUN | APCO 2.103.2-2019 |
| MVAINJY | MOTOR VEHICLE ACCIDENT WITH INJURY - CAN BE RECEIVED AS AUTOMATED CRASH NOTIFICATION, INCLUDES CAR, PEDESTRIAN, ATV ACCIDENTS | APCO 2.103.2-2019 |
| MVAUNK | MVA UNK | APCO 2.103.2-2019 |
| MVCP | MOTOR VEHICLE COLLISION ON PRIVATE PROPERTY | APCO 2.103.2-2019 |
| NCIC | NCIC HIT | APCO 2.103.2-2019 |
| NCRASLTWF | ASSAULT WITH WEAPON | APCO 2.103.2-2019 |
| NCRCPRF | MEDICAL - CARDIOPULMONARY RESUSCITATION. | APCO 2.103.2-2019 |
| NCRELEV | RESCUE - ELEVATOR | APCO 2.103.2-2019 |
| NCRFACTR | APPROVED, FIELD INFUSION OF BLOOD PRODUCTS NECESSARY FOR LIFE-SAVING INTERVENTION | APCO 2.103.2-2019 |
| NCRMUAIDF | MUTUAL AID FIRE | APCO 2.103.2-2019 |
| NCRNDE | NOTIFICATION EVENT, LOCAL ONLY, NO UNITS DISPATCHED. | APCO 2.103.2-2019 |
| NCRNONE | NONE - NO CODE FOUND | APCO 2.103.2-2019 |
| NCRTASKFORCE | TASK FORCE | APCO 2.103.2-2019 |
| NCRTESTF | TEST CALL - FIRE | APCO 2.103.2-2019 |
| NCRTRANS | TRANSPORTATION INCIDENT, INCLUDES, PLANES, TRAINS, SUBWAY, ETC. | APCO 2.103.2-2019 |
| NEGLECT | NEGLECT | APCO 2.103.2-2019 |
| NOISE | NOISE | APCO 2.103.2-2019 |
| OD | OVERDOSE - ACCIDENTAL, POISONING, ACCIDENTAL INGESTION | APCO 2.103.2-2019 |
| ODOR | ODOR INVESTIGATION - ANY TYPE | APCO 2.103.2-2019 |
| OPEN | UNSECURE-BLDG | APCO 2.103.2-2019 |
| ORDERV | ORDER VIOLATION | APCO 2.103.2-2019 |
| PANDEMIC | PANDEMIC FLU OR ILLNESS OUTBREAK, EPIDEMIC | APCO 2.103.2-2019 |
| PARKING | PARKING | APCO 2.103.2-2019 |
| PERFND | FOUND PERSON | APCO 2.103.2-2019 |
| PERMISS | MISSING PERSON | APCO 2.103.2-2019 |
| PERSUSP | SUSPICIOUS PERSON | APCO 2.103.2-2019 |
| PERUNCON | UNCONSCIOUS PERSON, INCLUDES FAINTING AND NEAR FAINTING | APCO 2.103.2-2019 |
| PERWANT | WANTED PERSON | APCO 2.103.2-2019 |
| PHANDLE | PANHANDLING | APCO 2.103.2-2019 |
| PREG | PREGNANCY PROBLEMS, CHILDBIRTH, MISCARRIAGE | APCO 2.103.2-2019 |
| APCO 2.103.2-2019 |
| PROPFND | FOUND PROPERTY | APCO 2.103.2-2019 |
| PROPLOST | LOST PROPERTY | APCO 2.103.2-2019 |
| PROPSTLN | STOLEN PROPERTY | APCO 2.103.2-2019 |
| PROW | PROWLER | APCO 2.103.2-2019 |
| PUBWKS | PUBLIC WORKS / UTILITIES | APCO 2.103.2-2019 |
| APCO 2.103.2-2019 |
| PURSUIT | PURSUIT | APCO 2.103.2-2019 |
| RADIAT | INCLUDES NUCLEAR INCIDENTS | APCO 2.103.2-2019 |
| RECKDRV | RECKLESS DRIVER | APCO 2.103.2-2019 |
| APCO 2.103.2-2019 |
| REPO | REPO | APCO 2.103.2-2019 |
| RESCUE | INCLUDES LOCK-INS, HIGH ANGLE RESCUE | APCO 2.103.2-2019 |
| RESIST | RESISTING ARREST | APCO 2.103.2-2019 |
| RESP | DIFFICULTY BREATHING, SHORTNESS OF BREATH, RESPIRATORY ISSUE | APCO 2.103.2-2019 |
| RESPARR | RESPIRATORY ARREST | APCO 2.103.2-2019 |
| ROBBERY | ROBBERY | APCO 2.103.2-2019 |
| RUNAWAY | RUNAWAY | APCO 2.103.2-2019 |
| SAR | SEARCH AND RESCUE | APCO 2.103.2-2019 |
| SCH | SCHOOL OFFENSE | APCO 2.103.2-2019 |
| SCRM | PERSON SCREAMING | APCO 2.103.2-2019 |
| SEIZURE | INCLUDES CONVULSIONS | APCO 2.103.2-2019 |
| SEXOFFNS | SEX OFFENSE | APCO 2.103.2-2019 |
| SHOOT | SHOOTING | APCO 2.103.2-2019 |
| SHOPLIFT | SHOPLIFTING | APCO 2.103.2-2019 |
| SICK | SICK PERSON NON-SPECIFIC, GENERAL ILLNESS, FLU | APCO 2.103.2-2019 |
| SLMP | PERSON SLUMPED IN VEHICLE | APCO 2.103.2-2019 |
| SMOKING | SMOKING | APCO 2.103.2-2019 |
| SOL | SOLICITORS | APCO 2.103.2-2019 |
| STABBING | STABBING | APCO 2.103.2-2019 |
| STDBY | POLICE, FIRE OR EMS | APCO 2.103.2-2019 |
| STKX | STALKING WITH SUSPECT ON SCENE | APCO 2.103.2-2019 |
| STROKE | STROKE OR CEREBRAL VASCULAR ACCIDENT (CVA) | APCO 2.103.2-2019 |
| APCO 2.103.2-2019 |
| SUBJSTP | SUBJECT STOP | APCO 2.103.2-2019 |
| SUICIDE | SUICIDE | APCO 2.103.2-2019 |
| SUICTHRT | ATTEMPT OR THREATENING SUICIDE | APCO 2.103.2-2019 |
| SUSP | SUSPICIOUS INCIDENT,CIRCUMSTANCES, UNKNOWN PROBLEMS | APCO 2.103.2-2019 |
| TERROR | TERRORIST ACTIVITY | APCO 2.103.2-2019 |
| THAZ | TRAFFIC HAZARD | APCO 2.103.2-2019 |
| THREATS | THREATS | APCO 2.103.2-2019 |
| TOW | TOW | APCO 2.103.2-2019 |
| TRAIN | INCIDENTS OTHER THAN FIRES OR DERAILMENTS RELATED TO | APCO 2.103.2-2019 |
| TRAINS | APCO 2.103.2-2019 |
| TRAINDRL | TRAIN DERAIL | APCO 2.103.2-2019 |
| TRANSFER | INTER-FACILITY TRANSFER, PALLIATIVE CARE. ALSO USED FOR TRANSFER OF APPARATUS BETWEEN JURISDICTIONS. | APCO 2.103.2-2019 |
| TRAUMA | TRAUMATIC INJURY INCLUDING | APCO 2.103.2-2019 |
| HEAD INJURY | APCO 2.103.2-2019 |
| TRAUMAP | PENETRATING TRAUMA | APCO 2.103.2-2019 |
| TRESPASS | TRESPASS | APCO 2.103.2-2019 |
| TROUBLE | UNKNOWN TYPE TROUBLE | APCO 2.103.2-2019 |
| TRUANT | TRUANT | APCO 2.103.2-2019 |
| TSTOP | TRAFFIC STOP | APCO 2.103.2-2019 |
| VAG | VAGRANT/PANHANDLER | APCO 2.103.2-2019 |
| VANDAL | VANDALISM | APCO 2.103.2-2019 |
| VEHABND | ABANDONED VEH | APCO 2.103.2-2019 |
| VEHASST | MOTORIST ASSIST | APCO 2.103.2-2019 |
| APCO 2.103.2-2019 |
| VEHLOCK | VEHICLE LOCK OUT | APCO 2.103.2-2019 |
| VEHREC | RECOVERED VEHICLE | APCO 2.103.2-2019 |
| VEHSTLN | STOLEN VEHICLE | APCO 2.103.2-2019 |
| VEHSUSP | SUSPICIOUS VEHICLE | APCO 2.103.2-2019 |
| VICE | VICE | APCO 2.103.2-2019 |
| APCO 2.103.2-2019 |
| WARRANT | SEARCH WARRANT | APCO 2.103.2-2019 |
| WATER | ALL WATER INCIDENTS, DIVING & CUBA ACCIDENTS, BOAT/JET SKI ACCIDENT, WATER | APCO 2.103.2-2019 |
| APCO 2.103.2-2019 |
| WEAPON | WEAPON VIOLATION | APCO 2.103.2-2019 |
| WELFARE | MAN DOWN CHECK, WELFARE CHECK | APCO 2.103.2-2019 |
| WILDLIFE | WILDLIFE VIOLATIONS | APCO 2.103.2-2019 |
| APCO 2.103.2-2019 |
| WIRES | WIRES DOWN | APCO 2.103.2-2019 |
| XTRICATE | CONFINED SPACE RESCUE, VEHICLE EXTRICATION | APCO 2.103.2-2019 |

## Incident Status-Common

The “Incident Status-Common” data element is described in Section 2.9 (Incident Information Data Component) of this document. [[2]](#footnote-2)

IANA is requested to add the following values to the “EIDO-IncidentStatus-Common” registry

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| Active | The incident is active. | [This document](http://www.nena.org/?page=eidd) |
| Cancelled | Incident cancelled. | [This document](http://www.nena.org/?page=eidd) |
| Closed | Incident closed. | [This document](http://www.nena.org/?page=eidd) |
| FireUnderControl | Emergency responder has declared that a fire is under control. | [This document](http://www.nena.org/?page=eidd) |
| NewLocation | The incident?s location has changed. | [This document](http://www.nena.org/?page=eidd) |
| ReOpened | Incident has been re-opened. | [This document](http://www.nena.org/?page=eidd) |
| ResourcesAssigned | Incident has had at least one emergency resource assigned to it. | [This document](http://www.nena.org/?page=eidd) |
| ResourcesEnroute | At least one emergency resource is en route to the incident. | [This document](http://www.nena.org/?page=eidd) |
| ResourcesOnscene | At least one emergency resource has arrived at the location (on scene) of the incident. | [This document](http://www.nena.org/?page=eidd) |
| StructureCleared | Emergency responder has declared that the structure has been cleared. | [This document](http://www.nena.org/?page=eidd) |
| EmergencyCallback | The call is originating at a PSAP calling back a previously disconnected caller. | [This document](http://www.nena.org/?page=eidd) |
| IncidentRelatedOutbound | The incident related outbound call is originated at or within an agency. | [This document](http://www.nena.org/?page=eidd) |

## Call Origination

The “Call Origination data element is described in Section 2.10 (Call Information Data Component) of the document.

IANA is requested to add the following values to the “EIDO-IncidentStatus-Common” registry

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| EmergencyCallback | The call is originating at a PSAP calling back a previously disconnected caller. | [This document](http://www.nena.org/?page=eidd) |
| IncidentRelatedOutbound | The incident related outbound call is originated at or within an agency. | [This document](http://www.nena.org/?page=eidd) |
| AdminCall | Emergency call that arrives over administrative lines. | [This document](http://www.nena.org/?page=eidd) |
| EmergencyCall | Normal Emergency (9-1-1) call. | [This document](http://www.nena.org/?page=eidd) |
| FieldInitiated | Emergency call was initiated directly by a responder. | [This document](http://www.nena.org/?page=eidd) |

## Call Status

The “Call Status” data element is described in Section 2.10 (Call Information Data Component) of the document.

IANA is requested to add the following values to the “EIDO-IncidentStatus-Common” registry

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| Conferenced | The call is conferenced | [This document](http://www.nena.org/?page=eidd) |
| Active | An emergency call was answered and is currently being processed by an agent. | [This document](http://www.nena.org/?page=eidd) |
| AgentDisconnect | The emergency call was terminated normally by the agent. | [This document](http://www.nena.org/?page=eidd) |
| CallAnsweredByIMR | An emergency call was answered by an automaton. | [This document](http://www.nena.org/?page=eidd) |
| CallerDisconnect | The emergency call was terminated by the Caller. | [This document](http://www.nena.org/?page=eidd) |
| CallInQueue | The emergency has been placed in a queue and is awaiting attention. | [This document](http://www.nena.org/?page=eidd) |
| CallOffered | The call has been offered to one or more agents (i.e., the phone rang). | [This document](http://www.nena.org/?page=eidd) |
| 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). | [This document](http://www.nena.org/?page=eidd) |
| Error | The emergency call terminated unexpectedly (was disconnected). | [This document](http://www.nena.org/?page=eidd) |
| Hangup | The emergency call was terminated by the caller before being answered. | [This document](http://www.nena.org/?page=eidd) |
| IMR | The emergency call is at the IMR. | [This document](http://www.nena.org/?page=eidd) |

## Report Number Type

The “Report Number Type” data element is described in Section 2.12 (Dispatch Data Component) of this document.

IANA is requested to add the following values to the “EIDO-ReportNumberType” registry

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

## Person Role

The “Person Type” data element is described in Section 2.15 (Person Information Data Component) of this document.

IANA is requested to add the following values to the “EIDO-PersonRole” registry

|  |  |  |
| --- | --- | --- |
| **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. | [This document](http://www.nena.org/?page=eidd) |
| Patient | Person described in the Person Information data component is involved in the incident as a patient. | [This document](http://www.nena.org/?page=eidd) |
| PatientAcquaintance | Person described in the Person Information data component is an acquaintance of a patient involved in the incident. | [This document](http://www.nena.org/?page=eidd) |
| PatientRelative | Person described in the Person Information data component is a relative of a patient involved in the incident. | [This document](http://www.nena.org/?page=eidd) |
| PersonOfInterest | Person described in the Person Information data component is involved in the incident as a person of interest. | [This document](http://www.nena.org/?page=eidd) |
| ReportingParty | Person described in the Person Information data component is involved in the incident as a reporting party. | [This document](http://www.nena.org/?page=eidd) |
| Suspect | Person described in the Person Information data component is involved in the incident as a suspect. | [This document](http://www.nena.org/?page=eidd) |
| Victim | Person described in the Person Information data component is involved in the incident as a victim. | [This document](http://www.nena.org/?page=eidd) |
| VictimAcquaintance | Person described in the Person Information data component is an acquaintance of a victim involved in the incident. | [This document](http://www.nena.org/?page=eidd) |
| VictimRelative | Person described in the Person Information data component is a relative of a victim involved in the incident. | [This document](http://www.nena.org/?page=eidd) |

## Vehicle Relationship Type

The “Vehicle Relationship Type” data element is described in Section 2.17 (Vehicle Information Data Component) of this document.

IANA is requested to add the following values to the “EIDO-VehicleRelationshipType” registry

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| AccidentVehicle | The vehicle described in the Vehicle Information data component is involved in the incident as an accident vehicle. | [This document](http://www.nena.org/?page=eidd) |
| InvolvedVehicle | The vehicle described in the Vehicle Information data component is involved in the incident. Used when no other relationship is known. | [This document](http://www.nena.org/?page=eidd) |
| SuspectVehicle | The vehicle described in the Vehicle Information data component is involved in the incident as a suspect's vehicle. | [This document](http://www.nena.org/?page=eidd) |
| VictimVehicle | The vehicle described in the Vehicle Information data component is involved in the incident as a victim's vehicle. | [This document](http://www.nena.org/?page=eidd) |
| WitnessVehicle | The vehicle described in the Vehicle Information data component is involved in the incident as a witness's vehicle. | [This document](http://www.nena.org/?page=eidd) |

## Location Type

The “Location Type” data element is described in Section 2.18 (Location Information Data Component) of this document.

IANA is requested to add the following values to the “EIDO-LocationType” registry

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| RoutingLocation | For a location referenced in a call represent the location that was used to route the call. Can be used by other data component to indicate their routing location. | [This document](http://www.nena.org/?page=eidd) |
| Caller | The Location Information data component contains the caller's location. | [This document](http://www.nena.org/?page=eidd) |
| CurrentIncident | The Location Information data component contains the current location of the incident. | [This document](http://www.nena.org/?page=eidd) |
| Initial | The Location Information data component contains the initial incident's location. | [This document](http://www.nena.org/?page=eidd) |
| Investigation | The Location Information data component contains the incident's investigation location. | [This document](http://www.nena.org/?page=eidd) |
| Other | Location is unspecified. | [This document](http://www.nena.org/?page=eidd) |

## Primary Unit Status-Common

The “Primary Unit Status-Common” data element is described in Section 2.20 (Emergency Resource Data Component) of this document.[[3]](#footnote-3)

IANA is requested to add the following values to the “EIDO-PrimaryUnitStatus-Common” registry

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| Available | Emergency Unit is available for Dispatch. | [This document](http://www.nena.org/?page=eidd) |
| ConditionallyAvailable | Emergency Unit is assigned to an activity, but is available for dispatch or reassignment. | [This document](http://www.nena.org/?page=eidd) |
| NotAvailable | Emergency Unit is not available for Dispatch and cannot be assigned to a call. | [This document](http://www.nena.org/?page=eidd) |

## Secondary Unit Status-Common

The “Secondary Unit Status-Common” data element is described in Section 2.20 (Emergency Resource Data Component) of this document.[[4]](#footnote-4)

IANA is requested to add the following values to the “EIDO- SecondaryUnitStatus-Common” registry

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| AcknowledgedTransmission | Emergency unit acknowledged receipt of a dispatch/assignment. | [This document](http://www.nena.org/?page=eidd) |
| 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. | [This document](http://www.nena.org/?page=eidd) |
| Arrived | Emergency unit arrived at the incident location or at some other location. | [This document](http://www.nena.org/?page=eidd) |
| Assigned | Emergency unit has been assigned to an incident or to some other event. | [This document](http://www.nena.org/?page=eidd) |
| AssignmentCancelled | Emergency unit's assignment to an activity has been cancelled. This is an observation useful for tracking unit history and incident progress. | [This document](http://www.nena.org/?page=eidd) |
| BacktoAssignedArea | Emergency unit is back to patrolling or covering its assigned area, beat, or district. This is an observation useful for tracking unit history. | [This document](http://www.nena.org/?page=eidd) |
| Backup | Emergency unit is backing up another emergency unit on an incident. | [This document](http://www.nena.org/?page=eidd) |
| Break | Emergency unit is on a break. | [This document](http://www.nena.org/?page=eidd) |
| CheckedIn | Emergency unit checked in with its dispatcher. This is an observation useful for tracking unit history and incident progress. | [This document](http://www.nena.org/?page=eidd) |
| Cleared | Emergency unit cleared the incident location or some other location. | [This document](http://www.nena.org/?page=eidd) |
| COP\_or\_POP | Emergency unit is involved in Community Oriented Policing or Problem Oriented Policing activities. | [This document](http://www.nena.org/?page=eidd) |
| Court | Emergency unit is assigned to Court. | [This document](http://www.nena.org/?page=eidd) |
| 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. | [This document](http://www.nena.org/?page=eidd) |
| Delayed | Emergency unit is delayed from arriving at the incident's location or some other location. | [This document](http://www.nena.org/?page=eidd) |
| Departed | Emergency unit has departed a location, where another, simultaneously assigned, secondary unit status-common describes the destination (e.g., Departed and Court). | [This document](http://www.nena.org/?page=eidd) |
| Dispatched | Emergency unit has been dispatched to an incident or some other event. | [This document](http://www.nena.org/?page=eidd) |
| EnRoute | Emergency unit is en route to an incident location or some other location. | [This document](http://www.nena.org/?page=eidd) |
| EquipmentIssues | Emergency unit is experiencing equipment issues. | [This document](http://www.nena.org/?page=eidd) |
| 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. | [This document](http://www.nena.org/?page=eidd) |
| 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. | [This document](http://www.nena.org/?page=eidd) |
| InService | Emergency unit is in service. | [This document](http://www.nena.org/?page=eidd) |
| Investigation | Emergency unit is assigned to investigate an active or closed incident. | [This document](http://www.nena.org/?page=eidd) |
| Location | A location other than the incident that is used with en route, arrived, etc. | [This document](http://www.nena.org/?page=eidd) |
| Meal | Emergency unit is at lunch, dinner, breakfast or some other meal. | [This document](http://www.nena.org/?page=eidd) |
| 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. | [This document](http://www.nena.org/?page=eidd) |
| OffDuty | Emergency Unit is off duty. | [This document](http://www.nena.org/?page=eidd) |
| OnDuty | Emergency unit is on duty. | [This document](http://www.nena.org/?page=eidd) |
| OnScene | Emergency Unit is located at the scene (location) of the incident. | [This document](http://www.nena.org/?page=eidd) |
| OutofService | Emergency unit is out of service. | [This document](http://www.nena.org/?page=eidd) |
| PatientContact | Emergency responders made contact with a patient involved in the incident. This is an observation useful for tracking unit history and incident progress. | [This document](http://www.nena.org/?page=eidd) |
| Post | Emergency unit is at a post 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. | [This document](http://www.nena.org/?page=eidd) |
| ResponderInitiatedEvent | Emergency unit is on a self initiated event that is not a traffic stop. | [This document](http://www.nena.org/?page=eidd) |
| 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. | [This document](http://www.nena.org/?page=eidd) |
| Roster | Emergency unit has automatically been activated, but is not yet available and has not checked in. | [This document](http://www.nena.org/?page=eidd) |
| ShiftPending | Emergency unit?s end of shift is pending. | [This document](http://www.nena.org/?page=eidd) |
| 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. | [This document](http://www.nena.org/?page=eidd) |
| 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. | [This document](http://www.nena.org/?page=eidd) |
| TrafficStop | Emergency unit is on scene at a self initiated traffic stop. | [This document](http://www.nena.org/?page=eidd) |
| Training | Emergency unit and responders are participating in a training activity. | [This document](http://www.nena.org/?page=eidd) |
| Transporting | Emergency unit is transporting or escorting a person or equipment to a location or destination. | [This document](http://www.nena.org/?page=eidd) |
| Unmanned | Emergency unit is not adequately staffed. | [This document](http://www.nena.org/?page=eidd) |

## Emergency Resource Type-Common

The “Emergency Resource Type-Common” data element is described in Section 2.20 (Emergency Resource Data Component) of this document.

IANA is requested to add the following values to the “EIDO-EmergencyResourceType-Common” registry

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| AirAmbulanceFixedWing | Air Ambulance (Fixed-Wing) | [This document](http://www.nena.org/?page=eidd) |
| AirAmbulanceRotaryWing | Air Ambulance (Rotary-Wing) | [This document](http://www.nena.org/?page=eidd) |
| AirSearchTeam | Air Search Team | [This document](http://www.nena.org/?page=eidd) |
| AirborneCommunicationRelayTeamFixed | Airborne Communications Relay Team (Fixed-Wing) | [This document](http://www.nena.org/?page=eidd) |
| FixedWingAircraft | Aircraft, Fixed Wing | [This document](http://www.nena.org/?page=eidd) |
| RotaryWingAircraft | Aircraft, Rotary Wing | [This document](http://www.nena.org/?page=eidd) |
| AirborneTransportTeamFixedWing | Airborne Transport Team (Fixed-Wing) | [This document](http://www.nena.org/?page=eidd) |
| AirCompressor | Air Compressor and Air Refilling | [This document](http://www.nena.org/?page=eidd) |
| AirConditioner-Heater | Air Conditioner/ Heater | [This document](http://www.nena.org/?page=eidd) |
| ATV | All Terrain Vehicle | [This document](http://www.nena.org/?page=eidd) |
| GroundALSAmbulance | Ambulance, Advance Life Support (Ground) | [This document](http://www.nena.org/?page=eidd) |
| LargeAnimalRescueTeam | Large Animal (horse, cow, etc.) Rescue Team | [This document](http://www.nena.org/?page=eidd) |
| LargeAnimalShelteringTeam | Large Animal (horse, cow, etc.) Sheltering Team | [This document](http://www.nena.org/?page=eidd) |
| LargeAnimalTransportTeam | Large Animal (horse, cow, etc.) Transport Team | [This document](http://www.nena.org/?page=eidd) |
| SmallAnimalRescueTeam | Small Animal (cat, dog, etc.) Rescue Team | [This document](http://www.nena.org/?page=eidd) |
| SmallAnimalShelteringTeam | Small Animal (cat, dog, etc.) Sheltering Team | [This document](http://www.nena.org/?page=eidd) |
| SmallAnimalTransportTeam | Small Animal (cat, dog, etc.) Transport Team | [This document](http://www.nena.org/?page=eidd) |
| AssaultHomicideUnit | Assault / Homicide Unit | [This document](http://www.nena.org/?page=eidd) |
| GroundBLSAmbulance | Ambulance, Basic Life Support (Ground) | [This document](http://www.nena.org/?page=eidd) |
| BikeTeam | Bike Team | [This document](http://www.nena.org/?page=eidd) |
| BombSquad | Bomb Squad/Explosives Team | [This document](http://www.nena.org/?page=eidd) |
| BrushFireEngineType3 | Type 3 Brush Fire Engine (120GPM, 500 gal tank, 1000' 1.5" or larger, 800' 1 " or larger, 3 crew members) | [This document](http://www.nena.org/?page=eidd) |
| BrushFireEngineType4 | Type 4 Brush Fire Engine (70 GPM, 750 Gal tank, 300' 1.5" & 300? 1" or larger, 3 crew members) | [This document](http://www.nena.org/?page=eidd) |
| BrushFireEngineType5 | Type 5 Brush Fire Engine (50 GPM, 500 Gal, 300' 1.5" & 300? 1" or larger, 3 crew members) | [This document](http://www.nena.org/?page=eidd) |
| BrushFireEngineType6 | Type 6 Brush Fire Engine (50 GPM, 200 Gal, 300' 1.5" & 300? 1" or larger, 2 crew members) | [This document](http://www.nena.org/?page=eidd) |
| BrushFireEngineType7 | Type 7 Brush Fire Engine (20 GPM, 125 Gal tank, 200 and 200' on 1.5 and 1" hose, 2 crew members) | [This document](http://www.nena.org/?page=eidd) |
| Bus | Buses | [This document](http://www.nena.org/?page=eidd) |
| CanineSearchandRescue | Canine Search and Rescue Team | [This document](http://www.nena.org/?page=eidd) |
| DisasterCollapsedStructureCanineTech | Disaster Collapsed Structure Canine Search Technician | [This document](http://www.nena.org/?page=eidd) |
| CaveSearchandRescue | Cave Search and Rescue Team | [This document](http://www.nena.org/?page=eidd) |
| CivilServiceOfficer | Civil Service Officer | [This document](http://www.nena.org/?page=eidd) |
| CoastGuard | Coast Guard Search and Rescue | [This document](http://www.nena.org/?page=eidd) |
| CollapseSearchandRescue | Collapse Search and Rescue Teams | [This document](http://www.nena.org/?page=eidd) |
| CommandLevel4 | Initial Responding Resources that arrive on scene | [This document](http://www.nena.org/?page=eidd) |
| CommandLevel3 | Field Supervisor (patrol sergeant, detective sergeant, battalion chief, etc.) | [This document](http://www.nena.org/?page=eidd) |
| CommandLevel2 | Section, Precinct or Division Chief/Commander | [This document](http://www.nena.org/?page=eidd) |
| CommandLevel1 | Department/Agency chief, sheriff, deputy chief, assistant chief, etc. | [This document](http://www.nena.org/?page=eidd) |
| CommSupportTeam | Communications Support Team | [This document](http://www.nena.org/?page=eidd) |
| CommunityPolicingUnit | Community/Neighborhood Policing Unit | [This document](http://www.nena.org/?page=eidd) |
| Crane | Crane | [This document](http://www.nena.org/?page=eidd) |
| CrisisInterventionUnit | Crisis Intervention Unit | [This document](http://www.nena.org/?page=eidd) |
| ResponderCrewTransport | Responder Crew/Team Transport | [This document](http://www.nena.org/?page=eidd) |
| DetoxTransport | Detox Transport | [This document](http://www.nena.org/?page=eidd) |
| UnmannedAerialVehicle | Unmanned Aerial Vehicle (Drone) | [This document](http://www.nena.org/?page=eidd) |
| ElectronicBoard | Electronic Board | [This document](http://www.nena.org/?page=eidd) |
| FireBoat | Fire Boat | [This document](http://www.nena.org/?page=eidd) |
| FireTruckLadder | Fire Truck - Aerial (Ladder or Platform) | [This document](http://www.nena.org/?page=eidd) |
| FireFoamTender | Foam Tender, Firefighting | [This document](http://www.nena.org/?page=eidd) |
| FoamTank | Foam Tank | [This document](http://www.nena.org/?page=eidd) |
| ForensicEvidence | Forensic Evidence | [This document](http://www.nena.org/?page=eidd) |
| FuelTender | Fuel Tender (Gasoline, Diesel, AvGas, aka Gas Tanker) | [This document](http://www.nena.org/?page=eidd) |
| GangEnforcement | Gang Enforcement | [This document](http://www.nena.org/?page=eidd) |
| HazMatTeam | HazMat Entry Team | [This document](http://www.nena.org/?page=eidd) |
| FireHelicopter | Helicopters, Firefighting | [This document](http://www.nena.org/?page=eidd) |
| HeavyRescue | Heavy Rescue Apparatus | [This document](http://www.nena.org/?page=eidd) |
| IncidentManagementTeam | Incident Management Team | [This document](http://www.nena.org/?page=eidd) |
| Investigator | Investigator | [This document](http://www.nena.org/?page=eidd) |
| LawEnforcementCommandUnit | Law Enforcement Command Unit | [This document](http://www.nena.org/?page=eidd) |
| PatrolUnit | Law Enforcement Patrol Unit | [This document](http://www.nena.org/?page=eidd) |
| SchoolOfficer | Law Enforcement School Officer | [This document](http://www.nena.org/?page=eidd) |
| LightRescue | Light Rescue Apparatus (Jeep and Other Vehicles) | [This document](http://www.nena.org/?page=eidd) |
| MaintenanceandRepairTeam | Maintenance and Repair Team - Light Equipment Public Works | [This document](http://www.nena.org/?page=eidd) |
| ParkingEnforcement | Parking Enforcement | [This document](http://www.nena.org/?page=eidd) |
| MobileCommunicationCenter | Mobile Communications Center (Also referred to as "Mobile EOC") | [This document](http://www.nena.org/?page=eidd) |
| MobileSupportVehicle | Mobile Support Vehicle | [This document](http://www.nena.org/?page=eidd) |
| CrowdControlTeam | Law Enforcement Crowd Control Team | [This document](http://www.nena.org/?page=eidd) |
| MountedPatrol | Mounted Patrol | [This document](http://www.nena.org/?page=eidd) |
| MountainSearchandRescueTeam | Mountain Search and Rescue Team | [This document](http://www.nena.org/?page=eidd) |
| MedicalTransportVehicle | Multi-Patient Medical Transport Vehicle | [This document](http://www.nena.org/?page=eidd) |
| ParkRanger | Park Ranger | [This document](http://www.nena.org/?page=eidd) |
| DiveTeam | Public Safety Dive Team | [This document](http://www.nena.org/?page=eidd) |
| RapidResponseSpecialist | Rapid Response Specialist | [This document](http://www.nena.org/?page=eidd) |
| RoadSweeper | Road Sweeper | [This document](http://www.nena.org/?page=eidd) |
| SafetyOfficer | Safety Officer/Chief | [This document](http://www.nena.org/?page=eidd) |
| SnowBlower | Snow Blower | [This document](http://www.nena.org/?page=eidd) |
| SnowCat | Snow Cat | [This document](http://www.nena.org/?page=eidd) |
| StructureFireEngineType1 | Type 1 Structure Fire Engine (1000 GPM, 400 Gal tank, 1200' 2.5" hose or larger, 400' 1.5" hose or larger (attack line), 200' 1" hose or larger, ladder 20' or longer, 500GPM master stream, and 4 crew members) | [This document](http://www.nena.org/?page=eidd) |
| StructureFireEngineType2 | Type 2 Structure Fire Engine (500GPM, 400 Gal Tank, hose 1000', 5400', 300' respectively, ladder 20' or longer, no master stream and 3 crew members) | [This document](http://www.nena.org/?page=eidd) |
| SWAT | SWAT/Tactical Teams | [This document](http://www.nena.org/?page=eidd) |
| SwiftwaterRescueTeam | Swiftwater/Flood Search and Rescue Team | [This document](http://www.nena.org/?page=eidd) |
| VehicularCrimesTeam | Vehicular Crimes Team | [This document](http://www.nena.org/?page=eidd) |
| Veterinarian | Veterinarian | [This document](http://www.nena.org/?page=eidd) |
| WaterRescueTeam | Ocean/Lake/Other Water Body Rescue Team | [This document](http://www.nena.org/?page=eidd) |
| TrafficUnit | Traffic Unit/Officer | [This document](http://www.nena.org/?page=eidd) |
| TransitOfficer | Transit Officer/Deputy | [This document](http://www.nena.org/?page=eidd) |
| DumpTruck | Truck, Dump | [This document](http://www.nena.org/?page=eidd) |
| TowTruck | Truck, Tow (Wrecker) | [This document](http://www.nena.org/?page=eidd) |
| PlowTruck | Truck, Plow | [This document](http://www.nena.org/?page=eidd) |
| TugBoat | Tug Boat (General) | [This document](http://www.nena.org/?page=eidd) |
| VictimAdvocate | Victim Advocate Unit | [This document](http://www.nena.org/?page=eidd) |
| DeWateringWaterPump | Water Pumps, De-Watering | [This document](http://www.nena.org/?page=eidd) |
| WasteWaterPump | Water Pumps, Wastewater | [This document](http://www.nena.org/?page=eidd) |
| FireWaterTender | Water Tender, Firefighting (Tanker) | [This document](http://www.nena.org/?page=eidd) |
| WaterTruck | Truck, Water | [This document](http://www.nena.org/?page=eidd) |
| WheelDozer | Wheel Dozer | [This document](http://www.nena.org/?page=eidd) |
| WheelLoaderBackhoe | Wheel Loader Backhoe | [This document](http://www.nena.org/?page=eidd) |
| WheelLoader | Wheel Loaders | [This document](http://www.nena.org/?page=eidd) |
| WheelLoaderSkidSteer | Wheel Loaders, Skid Steer | [This document](http://www.nena.org/?page=eidd) |
| WoodChipper | Wood Chipper | [This document](http://www.nena.org/?page=eidd) |
| WildlandTaskForce | Wild Land Task Force | [This document](http://www.nena.org/?page=eidd) |
| StrikeTeam | Strike Team | [This document](http://www.nena.org/?page=eidd) |
| HotShotTeam | Hot Shot Team | [This document](http://www.nena.org/?page=eidd) |

## Resource Attribute

The “Resource Attribute” data element is described in Section 2.20 (Emergency Resource Data Component) of this document.

IANA is requested to add the following values to the “EIDO-EmergencyResourceType-Common” registry

|  |  |  |
| --- | --- | --- |
| **Value** | **Literal Description** | **Reference** |
| AdvancedEMT | Advanced Emergency Medical Technician | [This document](http://www.nena.org/?page=eidd) |
| AdvancedPRN | Advanced Practice Registered Nurse (Nurse Practitioner) | [This document](http://www.nena.org/?page=eidd) |
| ReconAircraft | Aircraft, Reconnaissance, manhunts and surveillance, surveys | [This document](http://www.nena.org/?page=eidd) |
| SearchandRescueAircraft | Aircraft, Search and Rescue | [This document](http://www.nena.org/?page=eidd) |
| PursuitAircraft | Aircraft, Pursuit | [This document](http://www.nena.org/?page=eidd) |
| AerialPhotographyAircraft | Aircraft, Aerial Photography | [This document](http://www.nena.org/?page=eidd) |
| TransportAircraft | Aircraft, Transport | [This document](http://www.nena.org/?page=eidd) |
| AirBags | Air Bags (special equipment) | [This document](http://www.nena.org/?page=eidd) |
| AirMedicalTransportParamedic | Air Medical Transport Paramedic | [This document](http://www.nena.org/?page=eidd) |
| AirMedicalTransportPhysician | Air Medical Transport Physician | [This document](http://www.nena.org/?page=eidd) |
| AirMedicalTransportPilot | Air Medical Transport Pilot | [This document](http://www.nena.org/?page=eidd) |
| AirMedicalTransportNurse | Air Medical Transport Registered Nurse | [This document](http://www.nena.org/?page=eidd) |
| AirportFirefighter | Airport Firefighter | [This document](http://www.nena.org/?page=eidd) |
| AmbulanceStrikeTeamLeader | Ambulance Strike Team / Ambulance Task Force Leader | [This document](http://www.nena.org/?page=eidd) |
| AnimalCaseManager | Animal Case Manager | [This document](http://www.nena.org/?page=eidd) |
| AnimalControlSpecialist | Animal Control Specialist | [This document](http://www.nena.org/?page=eidd) |
| AnimalDiseaseEpidemiologist | Animal Disease Epidemiologist | [This document](http://www.nena.org/?page=eidd) |
| AnimalHandlingSpecialist | Animal Handling Specialist | [This document](http://www.nena.org/?page=eidd) |
| AnimalTechnician | Animal Technician | [This document](http://www.nena.org/?page=eidd) |
| Bicycle | Bicycle | [This document](http://www.nena.org/?page=eidd) |
| CarbonMonoxideDetector | Carbon Monoxide Detector | [This document](http://www.nena.org/?page=eidd) |
| CivilFieldEngineer | Civil/Field Engineer | [This document](http://www.nena.org/?page=eidd) |
| CrisisInterventionSpecialist | Crisis Intervention Specialist | [This document](http://www.nena.org/?page=eidd) |
| ConfinedSpaceRescueEquipBasic | Confined Space Rescue Equipment - Basic | [This document](http://www.nena.org/?page=eidd) |
| ConfinedSpaceRescueEquipAdvanced | Confined Space Rescue Equipment - Advanced | [This document](http://www.nena.org/?page=eidd) |
| ConcreteCutter | Concrete Cutter | [This document](http://www.nena.org/?page=eidd) |
| DiveTeam | Certified Dive Team Member | [This document](http://www.nena.org/?page=eidd) |
| DrugRecognitionExpert | Drug Recognition Expert | [This document](http://www.nena.org/?page=eidd) |
| DrugK9 | Drug Canine | [This document](http://www.nena.org/?page=eidd) |
| ElectronicArrowBoard | Electronic Arrow Board | [This document](http://www.nena.org/?page=eidd) |
| ElectronicVariableMessageBoard | Electronic Variable Message Board | [This document](http://www.nena.org/?page=eidd) |
| EmergencyVehicleOperator | Emergency Vehicle Operator | [This document](http://www.nena.org/?page=eidd) |
| EmergencyVehicleOperatorHeavy | Emergency Vehicle Operator - Heavy | [This document](http://www.nena.org/?page=eidd) |
| EMSPhysician | EMS Physician | [This document](http://www.nena.org/?page=eidd) |
| EMT | Emergency Medical Technician | [This document](http://www.nena.org/?page=eidd) |
| ExplosiveK9 | Explosive Canine | [This document](http://www.nena.org/?page=eidd) |
| ExtricationEquipmentBasic | Extrication Equipment - Basic | [This document](http://www.nena.org/?page=eidd) |
| ExtricationEquipmentAdvanced | Extrication Equipment - Advanced | [This document](http://www.nena.org/?page=eidd) |
| FireApparatusDriver\_Operator | Fire Apparatus Driver/Operator | [This document](http://www.nena.org/?page=eidd) |
| FireInspector | Fire Inspector | [This document](http://www.nena.org/?page=eidd) |
| Firefighter | Firefighter | [This document](http://www.nena.org/?page=eidd) |
| FLIR | FLIR Thermal Imaging | [This document](http://www.nena.org/?page=eidd) |
| Floodlights | Floodlights | [This document](http://www.nena.org/?page=eidd) |
| JawsOfLife | Hurst Tool (Jaws of Life) | [This document](http://www.nena.org/?page=eidd) |
| Generators | Generators | [This document](http://www.nena.org/?page=eidd) |
| HazMatOfficer | HazMat Officer | [This document](http://www.nena.org/?page=eidd) |
| HelicopterSearchandRescuePilot | Rotary Pilot | [This document](http://www.nena.org/?page=eidd) |
| HelicopterSearchandRescueTech | Fixed Wing Pilot | [This document](http://www.nena.org/?page=eidd) |
| HighAngleRescueEquipment | High Angle Rescue specialist | [This document](http://www.nena.org/?page=eidd) |
| HostageNegotiator | Hostage Negotiator | [This document](http://www.nena.org/?page=eidd) |
| IceRescueEquipment | Ice Rescue Equipment | [This document](http://www.nena.org/?page=eidd) |
| AbkhazianInterpreter | Language Interpreter -- Abkhazian (abk) | [This document](http://www.nena.org/?page=eidd) |
| AchineseInterpreter | Language Interpreter -- Achinese (ace) | [This document](http://www.nena.org/?page=eidd) |
| AcoliInterpreter | Language Interpreter -- Acoli (ach) | [This document](http://www.nena.org/?page=eidd) |
| AdangmeInterpreter | Language Interpreter -- Adangme (ada) | [This document](http://www.nena.org/?page=eidd) |
| AdygheAdygeiInterpreter | Language Interpreter -- Adyghe Adygei (ady) | [This document](http://www.nena.org/?page=eidd) |
| AfarInterpreter | Language Interpreter -- Afar (aar) | [This document](http://www.nena.org/?page=eidd) |
| AfrihiliInterpreter | Language Interpreter -- Afrihili (afh) | [This document](http://www.nena.org/?page=eidd) |
| AfrikaansInterpreter | Language Interpreter -- Afrikaans (afr) | [This document](http://www.nena.org/?page=eidd) |
| Afro-AsiaticLanguagesInterpreter | Language Interpreter -- Afro-Asiatic Languages (afa) | [This document](http://www.nena.org/?page=eidd) |
| AinuInterpreter | Language Interpreter -- Ainu (ain) | [This document](http://www.nena.org/?page=eidd) |
| AkanInterpreter | Language Interpreter -- Akan (aka) | [This document](http://www.nena.org/?page=eidd) |
| AkkadianInterpreter | Language Interpreter -- Akkadian (akk) | [This document](http://www.nena.org/?page=eidd) |
| AlbanianInterpreter | Language Interpreter -- Albanian (alb (B)) | [This document](http://www.nena.org/?page=eidd) |
| AleutInterpreter | Language Interpreter -- Aleut (ale) | [This document](http://www.nena.org/?page=eidd) |
| AlgonquianLanguagesInterpreter | Language Interpreter -- Algonquian Languages (alg) | [This document](http://www.nena.org/?page=eidd) |
| AltaicLanguagesInterpreter | Language Interpreter -- Altaic Languages (tut) | [This document](http://www.nena.org/?page=eidd) |
| AmharicInterpreter | Language Interpreter -- Amharic (amh) | [This document](http://www.nena.org/?page=eidd) |
| AngikaInterpreter | Language Interpreter -- Angika (anp) | [This document](http://www.nena.org/?page=eidd) |
| ApachelanguagesInterpreter | Language Interpreter -- Apache languages (apa) | [This document](http://www.nena.org/?page=eidd) |
| ArabicInterpreter | Language Interpreter -- Arabic (ara) | [This document](http://www.nena.org/?page=eidd) |
| AragoneseInterpreter | Language Interpreter -- Aragonese (arg) | [This document](http://www.nena.org/?page=eidd) |
| AramaicInterpreter | Language Interpreter -- Aramaic (arc) | [This document](http://www.nena.org/?page=eidd) |
| ArapahoInterpreter | Language Interpreter -- Arapaho (arp) | [This document](http://www.nena.org/?page=eidd) |
| ArawakInterpreter | Language Interpreter -- Arawak (arw) | [This document](http://www.nena.org/?page=eidd) |
| ArmenianInterpreter | Language Interpreter -- Armenian (arm (B)) | [This document](http://www.nena.org/?page=eidd) |
| AromanianArumanianMacedo-RomanianInterpreter | Language Interpreter -- Aromanian Arumanian Macedo-Romanian (rup) | [This document](http://www.nena.org/?page=eidd) |
| AssameseInterpreter | Language Interpreter -- Assamese (asm) | [This document](http://www.nena.org/?page=eidd) |
| AsturianBableLeoneseAsturleoneseInterpreter | Language Interpreter -- Asturian Bable Leonese Asturleonese (ast) | [This document](http://www.nena.org/?page=eidd) |
| AthapascanLanguagesInterpreter | Language Interpreter -- Athapascan Languages (ath) | [This document](http://www.nena.org/?page=eidd) |
| AustronesianLanguagesInterpreter | Language Interpreter -- Austronesian Languages (map) | [This document](http://www.nena.org/?page=eidd) |
| AvaricInterpreter | Language Interpreter -- Avaric (ava) | [This document](http://www.nena.org/?page=eidd) |
| AvestanInterpreter | Language Interpreter -- Avestan (ave) | [This document](http://www.nena.org/?page=eidd) |
| AwadhiInterpreter | Language Interpreter -- Awadhi (awa) | [This document](http://www.nena.org/?page=eidd) |
| AymaraInterpreter | Language Interpreter -- Aymara (aym) | [This document](http://www.nena.org/?page=eidd) |
| AzerbaijaniInterpreter | Language Interpreter -- Azerbaijani (aze) | [This document](http://www.nena.org/?page=eidd) |
| BalineseInterpreter | Language Interpreter -- Balinese (ban) | [This document](http://www.nena.org/?page=eidd) |
| BalticLanguagesInterpreter | Language Interpreter -- Baltic Languages (bat) | [This document](http://www.nena.org/?page=eidd) |
| BaluchiInterpreter | Language Interpreter -- Baluchi (bal) | [This document](http://www.nena.org/?page=eidd) |
| BambaraInterpreter | Language Interpreter -- Bambara (bam) | [This document](http://www.nena.org/?page=eidd) |
| BamilekeLanguagesInterpreter | Language Interpreter -- Bamileke Languages (bai) | [This document](http://www.nena.org/?page=eidd) |
| BandaLanguagesInterpreter | Language Interpreter -- Banda Languages (bad) | [This document](http://www.nena.org/?page=eidd) |
| BantuLanguagesInterpreter | Language Interpreter -- Bantu Languages (bnt) | [This document](http://www.nena.org/?page=eidd) |
| BasaInterpreter | Language Interpreter -- Basa (bas) | [This document](http://www.nena.org/?page=eidd) |
| BashkirInterpreter | Language Interpreter -- Bashkir (bak) | [This document](http://www.nena.org/?page=eidd) |
| BasqueInterpreter | Language Interpreter -- Basque (baq (B)) | [This document](http://www.nena.org/?page=eidd) |
| BatakLanguagesInterpreter | Language Interpreter -- Batak Languages (btk) | [This document](http://www.nena.org/?page=eidd) |
| BejaBedawiyetInterpreter | Language Interpreter -- Beja Bedawiyet (bej) | [This document](http://www.nena.org/?page=eidd) |
| BelarusianInterpreter | Language Interpreter -- Belarusian (bel) | [This document](http://www.nena.org/?page=eidd) |
| BembaInterpreter | Language Interpreter -- Bemba (bem) | [This document](http://www.nena.org/?page=eidd) |
| BengaliInterpreter | Language Interpreter -- Bengali (ben) | [This document](http://www.nena.org/?page=eidd) |
| BerberLanguagesInterpreter | Language Interpreter -- Berber Languages (ber) | [This document](http://www.nena.org/?page=eidd) |
| BhojpuriInterpreter | Language Interpreter -- Bhojpuri (bho) | [This document](http://www.nena.org/?page=eidd) |
| BihariLanguagesInterpreter | Language Interpreter -- Bihari Languages (bih) | [This document](http://www.nena.org/?page=eidd) |
| BikolInterpreter | Language Interpreter -- Bikol (bik) | [This document](http://www.nena.org/?page=eidd) |
| BiniEdoInterpreter | Language Interpreter -- Bini Edo (bin) | [This document](http://www.nena.org/?page=eidd) |
| BislamaInterpreter | Language Interpreter -- Bislama (bis) | [This document](http://www.nena.org/?page=eidd) |
| BlinBilinInterpreter | Language Interpreter -- Blin Bilin (byn) | [This document](http://www.nena.org/?page=eidd) |
| BlissymbolsBlissymbolicsBlissInterpreter | Language Interpreter -- Blissymbols Blissymbolics Bliss (zbl) | [This document](http://www.nena.org/?page=eidd) |
| BosnianInterpreter | Language Interpreter -- Bosnian (bos) | [This document](http://www.nena.org/?page=eidd) |
| BrajInterpreter | Language Interpreter -- Braj (bra) | [This document](http://www.nena.org/?page=eidd) |
| BretonInterpreter | Language Interpreter -- Breton (bre) | [This document](http://www.nena.org/?page=eidd) |
| BugineseInterpreter | Language Interpreter -- Buginese (bug) | [This document](http://www.nena.org/?page=eidd) |
| BulgarianInterpreter | Language Interpreter -- Bulgarian (bul) | [This document](http://www.nena.org/?page=eidd) |
| BuriatInterpreter | Language Interpreter -- Buriat (bua) | [This document](http://www.nena.org/?page=eidd) |
| BurmeseInterpreter | Language Interpreter -- Burmese (bur (B)) | [This document](http://www.nena.org/?page=eidd) |
| CaddoInterpreter | Language Interpreter -- Caddo (cad) | [This document](http://www.nena.org/?page=eidd) |
| CatalanValencianInterpreter | Language Interpreter -- Catalan Valencian (cat) | [This document](http://www.nena.org/?page=eidd) |
| CaucasianLanguagesInterpreter | Language Interpreter -- Caucasian languages (cau) | [This document](http://www.nena.org/?page=eidd) |
| CebuanoInterpreter | Language Interpreter -- Cebuano (ceb) | [This document](http://www.nena.org/?page=eidd) |
| CelticLanguagesInterpreter | Language Interpreter -- Celtic Languages (cel) | [This document](http://www.nena.org/?page=eidd) |
| CentralAmericanIndianLanguagesInterpreter | Language Interpreter -- Central American Indian Languages (cai) | [This document](http://www.nena.org/?page=eidd) |
| CentralKhmerInterpreter | Language Interpreter -- Central Khmer (khm) | [This document](http://www.nena.org/?page=eidd) |
| ChagataiInterpreter | Language Interpreter -- Chagatai (chg) | [This document](http://www.nena.org/?page=eidd) |
| ChamicLanguagesInterpreter | Language Interpreter -- Chamic Languages (cmc) | [This document](http://www.nena.org/?page=eidd) |
| ChamorroInterpreter | Language Interpreter -- Chamorro (cha) | [This document](http://www.nena.org/?page=eidd) |
| ChechenInterpreter | Language Interpreter -- Chechen (che) | [This document](http://www.nena.org/?page=eidd) |
| CherokeeInterpreter | Language Interpreter -- Cherokee (chr) | [This document](http://www.nena.org/?page=eidd) |
| CheyenneInterpreter | Language Interpreter -- Cheyenne (chy) | [This document](http://www.nena.org/?page=eidd) |
| ChibchaInterpreter | Language Interpreter -- Chibcha (chb) | [This document](http://www.nena.org/?page=eidd) |
| ChichewaChewaNyanjaInterpreter | Language Interpreter -- Chichewa Chewa Nyanja (nya) | [This document](http://www.nena.org/?page=eidd) |
| ChineseInterpreter | Language Interpreter -- Chinese (chi (B)) | [This document](http://www.nena.org/?page=eidd) |
| ChinookJargonInterpreter | Language Interpreter -- Chinook Jargon (chn) | [This document](http://www.nena.org/?page=eidd) |
| ChipewyanDeneSulineInterpreter | Language Interpreter -- Chipewyan Dene Suline (chp) | [This document](http://www.nena.org/?page=eidd) |
| ChoctawInterpreter | Language Interpreter -- Choctaw (cho) | [This document](http://www.nena.org/?page=eidd) |
| ChuukeseInterpreter | Language Interpreter -- Chuukese (chk) | [This document](http://www.nena.org/?page=eidd) |
| ChuvashInterpreter | Language Interpreter -- Chuvash (chv) | [This document](http://www.nena.org/?page=eidd) |
| ClassicalNewariOldNewariClassicalNepalBhasaInterpreter | Language Interpreter -- Classical Newari Old Newari Classical Nepal Bhasa (nwc) | [This document](http://www.nena.org/?page=eidd) |
| ClassicalSyriacInterpreter | Language Interpreter -- Classical Syriac (syc) | [This document](http://www.nena.org/?page=eidd) |
| CopticInterpreter | Language Interpreter -- Coptic (cop) | [This document](http://www.nena.org/?page=eidd) |
| CornishInterpreter | Language Interpreter -- Cornish (cor) | [This document](http://www.nena.org/?page=eidd) |
| CorsicanInterpreter | Language Interpreter -- Corsican (cos) | [This document](http://www.nena.org/?page=eidd) |
| CreeInterpreter | Language Interpreter -- Cree (cre) | [This document](http://www.nena.org/?page=eidd) |
| CreekInterpreter | Language Interpreter -- Creek (mus) | [This document](http://www.nena.org/?page=eidd) |
| CreolesPidginsEnglishBasedInterpreter | Language Interpreter -- Creoles Pidgins English Based (cpe) | [This document](http://www.nena.org/?page=eidd) |
| CreolesPidginsFrenchBasedInterpreter | Language Interpreter -- Creoles Pidgins French Based (cpf) | [This document](http://www.nena.org/?page=eidd) |
| CreolesPidginsInterpreter | Language Interpreter -- Creoles Pidgins (crp) | [This document](http://www.nena.org/?page=eidd) |
| CreolesPidginsPortugueseBasedInterpreter | Language Interpreter -- Creoles Pidgins Portuguese Based (cpp) | [This document](http://www.nena.org/?page=eidd) |
| CrimeanTatarCrimeanTurkishInterpreter | Language Interpreter -- Crimean Tatar Crimean Turkish (crh) | [This document](http://www.nena.org/?page=eidd) |
| CroatianInterpreter | Language Interpreter -- Croatian (hrv) | [This document](http://www.nena.org/?page=eidd) |
| CushiticLanguagesInterpreter | Language Interpreter -- Cushitic Languages (cus) | [This document](http://www.nena.org/?page=eidd) |
| CzechInterpreter | Language Interpreter -- Czech (cze (B)) | [This document](http://www.nena.org/?page=eidd) |
| DakotaInterpreter | Language Interpreter -- Dakota (dak) | [This document](http://www.nena.org/?page=eidd) |
| DanishInterpreter | Language Interpreter -- Danish (dan) | [This document](http://www.nena.org/?page=eidd) |
| DargwaInterpreter | Language Interpreter -- Dargwa (dar) | [This document](http://www.nena.org/?page=eidd) |
| DelawareInterpreter | Language Interpreter -- Delaware (del) | [This document](http://www.nena.org/?page=eidd) |
| DinkaInterpreter | Language Interpreter -- Dinka (din) | [This document](http://www.nena.org/?page=eidd) |
| DivehiDhivehiMaldivianInterpreter | Language Interpreter -- Divehi Dhivehi Maldivian (div) | [This document](http://www.nena.org/?page=eidd) |
| DogribInterpreter | Language Interpreter -- Dogrib (dgr) | [This document](http://www.nena.org/?page=eidd) |
| DogriInterpreter | Language Interpreter -- Dogri (doi) | [This document](http://www.nena.org/?page=eidd) |
| DravidianLanguagesInterpreter | Language Interpreter -- Dravidian Languages (dra) | [This document](http://www.nena.org/?page=eidd) |
| DualaInterpreter | Language Interpreter -- Duala (dua) | [This document](http://www.nena.org/?page=eidd) |
| DutchFlemishInterpreter | Language Interpreter -- Dutch Flemish (dut (B)) | [This document](http://www.nena.org/?page=eidd) |
| DyulaInterpreter | Language Interpreter -- Dyula (dyu) | [This document](http://www.nena.org/?page=eidd) |
| DzongkhaInterpreter | Language Interpreter -- Dzongkha (dzo) | [This document](http://www.nena.org/?page=eidd) |
| EasternFrisianInterpreter | Language Interpreter -- Eastern Frisian (frs) | [This document](http://www.nena.org/?page=eidd) |
| EfikInterpreter | Language Interpreter -- Efik (efi) | [This document](http://www.nena.org/?page=eidd) |
| EkajukInterpreter | Language Interpreter -- Ekajuk (eka) | [This document](http://www.nena.org/?page=eidd) |
| ElamiteInterpreter | Language Interpreter -- Elamite (elx) | [This document](http://www.nena.org/?page=eidd) |
| EnglishInterpreter | Language Interpreter -- English (eng) | [This document](http://www.nena.org/?page=eidd) |
| ErzyaInterpreter | Language Interpreter -- Erzya (myv) | [This document](http://www.nena.org/?page=eidd) |
| EsperantoInterpreter | Language Interpreter -- Esperanto (epo) | [This document](http://www.nena.org/?page=eidd) |
| EstonianInterpreter | Language Interpreter -- Estonian (est) | [This document](http://www.nena.org/?page=eidd) |
| EweInterpreter | Language Interpreter -- Ewe (ewe) | [This document](http://www.nena.org/?page=eidd) |
| EwondoInterpreter | Language Interpreter -- Ewondo (ewo) | [This document](http://www.nena.org/?page=eidd) |
| FangInterpreter | Language Interpreter -- Fang (fan) | [This document](http://www.nena.org/?page=eidd) |
| FantiInterpreter | Language Interpreter -- Fanti (fat) | [This document](http://www.nena.org/?page=eidd) |
| FaroeseInterpreter | Language Interpreter -- Faroese (fao) | [This document](http://www.nena.org/?page=eidd) |
| FijianInterpreter | Language Interpreter -- Fijian (fij) | [This document](http://www.nena.org/?page=eidd) |
| FilipinoPilipinoInterpreter | Language Interpreter -- Filipino Pilipino (fil) | [This document](http://www.nena.org/?page=eidd) |
| FinnishInterpreter | Language Interpreter -- Finnish (fin) | [This document](http://www.nena.org/?page=eidd) |
| FinnoUgrianLanguagesInterpreter | Language Interpreter -- Finno Ugrian Languages (fiu) | [This document](http://www.nena.org/?page=eidd) |
| FonInterpreter | Language Interpreter -- Fon (fon) | [This document](http://www.nena.org/?page=eidd) |
| FrenchInterpreter | Language Interpreter -- French (fre (B)) | [This document](http://www.nena.org/?page=eidd) |
| FriulianInterpreter | Language Interpreter -- Friulian (fur) | [This document](http://www.nena.org/?page=eidd) |
| FulahInterpreter | Language Interpreter -- Fulah (ful) | [This document](http://www.nena.org/?page=eidd) |
| GaelicScottishGaelicInterpreter | Language Interpreter -- Gaelic Scottish Gaelic (gla) | [This document](http://www.nena.org/?page=eidd) |
| GaInterpreter | Language Interpreter -- Ga (gaa) | [This document](http://www.nena.org/?page=eidd) |
| GalibiCaribInterpreter | Language Interpreter -- Galibi Carib (car) | [This document](http://www.nena.org/?page=eidd) |
| GalicianInterpreter | Language Interpreter -- Galician (glg) | [This document](http://www.nena.org/?page=eidd) |
| GandaInterpreter | Language Interpreter -- Ganda (lug) | [This document](http://www.nena.org/?page=eidd) |
| GayoInterpreter | Language Interpreter -- Gayo (gay) | [This document](http://www.nena.org/?page=eidd) |
| GbayaInterpreter | Language Interpreter -- Gbaya (gba) | [This document](http://www.nena.org/?page=eidd) |
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| GondiInterpreter | Language Interpreter -- Gondi (gon) | [This document](http://www.nena.org/?page=eidd) |
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| GujaratiInterpreter | Language Interpreter -- Gujarati (guj) | [This document](http://www.nena.org/?page=eidd) |
| GwichinInterpreter | Language Interpreter -- Gwich'in (gwi) | [This document](http://www.nena.org/?page=eidd) |
| HaidaInterpreter | Language Interpreter -- Haida (hai) | [This document](http://www.nena.org/?page=eidd) |
| HaitianHaitianCreoleInterpreter | Language Interpreter -- Haitian Haitian Creole (hat) | [This document](http://www.nena.org/?page=eidd) |
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| HawaiianInterpreter | Language Interpreter -- Hawaiian (haw) | [This document](http://www.nena.org/?page=eidd) |
| HebrewInterpreter | Language Interpreter -- Hebrew (heb) | [This document](http://www.nena.org/?page=eidd) |
| HereroInterpreter | Language Interpreter -- Herero (her) | [This document](http://www.nena.org/?page=eidd) |
| HiligaynonInterpreter | Language Interpreter -- Hiligaynon (hil) | [This document](http://www.nena.org/?page=eidd) |
| HimachaliWesternPahariLanguagesInterpreter | Language Interpreter -- Himachali Western Pahari Languages (him) | [This document](http://www.nena.org/?page=eidd) |
| HindiInterpreter | Language Interpreter -- Hindi (hin) | [This document](http://www.nena.org/?page=eidd) |
| HiriMotuInterpreter | Language Interpreter -- Hiri Motu (hmo) | [This document](http://www.nena.org/?page=eidd) |
| HittiteInterpreter | Language Interpreter -- Hittite (hit) | [This document](http://www.nena.org/?page=eidd) |
| HmongMongInterpreter | Language Interpreter -- Hmong Mong (hmn) | [This document](http://www.nena.org/?page=eidd) |
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| IngushInterpreter | Language Interpreter -- Ingush (inh) | [This document](http://www.nena.org/?page=eidd) |
| InterlingueOccidentalInterpreter | Language Interpreter -- Interlingue Occidental (ile) | [This document](http://www.nena.org/?page=eidd) |
| InuktitutInterpreter | Language Interpreter -- Inuktitut (iku) | [This document](http://www.nena.org/?page=eidd) |
| InupiaqInterpreter | Language Interpreter -- Inupiaq (ipk) | [This document](http://www.nena.org/?page=eidd) |
| IranianLanguagesInterpreter | Language Interpreter -- Iranian Languages (ira) | [This document](http://www.nena.org/?page=eidd) |
| IrishInterpreter | Language Interpreter -- Irish (gle) | [This document](http://www.nena.org/?page=eidd) |
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| LambaInterpreter | Language Interpreter -- Lamba (lam) | [This document](http://www.nena.org/?page=eidd) |
| LandDayakLanguagesInterpreter | Language Interpreter -- Land Dayak Languages (day) | [This document](http://www.nena.org/?page=eidd) |
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| LingalaInterpreter | Language Interpreter -- Lingala (lin) | [This document](http://www.nena.org/?page=eidd) |
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| Luba-LuluaInterpreter | Language Interpreter -- Luba-Lulua (lua) | [This document](http://www.nena.org/?page=eidd) |
| LuisenoInterpreter | Language Interpreter -- Luiseno (lui) | [This document](http://www.nena.org/?page=eidd) |
| LuleSamiInterpreter | Language Interpreter -- Lule Sami (smj) | [This document](http://www.nena.org/?page=eidd) |
| LundaInterpreter | Language Interpreter -- Lunda (lun) | [This document](http://www.nena.org/?page=eidd) |
| Luo-KenyaTanzania-Interpreter | Language Interpreter -- Luo(KenyaTanzania) (luo) | [This document](http://www.nena.org/?page=eidd) |
| LushaiInterpreter | Language Interpreter -- Lushai (lus) | [This document](http://www.nena.org/?page=eidd) |
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| MacedonianInterpreter | Language Interpreter -- Macedonian (mac (B)) | [This document](http://www.nena.org/?page=eidd) |
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| OromoInterpreter | Language Interpreter -- Oromo (orm) | [This document](http://www.nena.org/?page=eidd) |
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| PushtoPashtoInterpreter | Language Interpreter -- Pushto Pashto (pus) | [This document](http://www.nena.org/?page=eidd) |
| QuechuaInterpreter | Language Interpreter -- Quechua (que) | [This document](http://www.nena.org/?page=eidd) |
| RajasthaniInterpreter | Language Interpreter -- Rajasthani (raj) | [This document](http://www.nena.org/?page=eidd) |
| RapanuiInterpreter | Language Interpreter -- Rapanui (rap) | [This document](http://www.nena.org/?page=eidd) |
| RarotonganCookIslandsMaoriInterpreter | Language Interpreter -- Rarotongan Cook Islands Maori (rar) | [This document](http://www.nena.org/?page=eidd) |
| RomanianMoldavianMoldovanInterpreter | Language Interpreter -- Romanian Moldavian Moldovan (rum (B)) | [This document](http://www.nena.org/?page=eidd) |
| RomanshInterpreter | Language Interpreter -- Romansh (roh) | [This document](http://www.nena.org/?page=eidd) |
| RomanyInterpreter | Language Interpreter -- Romany (rom) | [This document](http://www.nena.org/?page=eidd) |
| RundiInterpreter | Language Interpreter -- Rundi (run) | [This document](http://www.nena.org/?page=eidd) |
| RussianInterpreter | Language Interpreter -- Russian (rus) | [This document](http://www.nena.org/?page=eidd) |
| SalishanLanguagesInterpreter | Language Interpreter -- Salishan Languages (sal) | [This document](http://www.nena.org/?page=eidd) |
| SamaritanAramaicInterpreter | Language Interpreter -- Samaritan Aramaic (sam) | [This document](http://www.nena.org/?page=eidd) |
| SamiLanguagesInterpreter | Language Interpreter -- Sami Languages (smi) | [This document](http://www.nena.org/?page=eidd) |
| SamoanInterpreter | Language Interpreter -- Samoan (smo) | [This document](http://www.nena.org/?page=eidd) |
| SandaweInterpreter | Language Interpreter -- Sandawe (sad) | [This document](http://www.nena.org/?page=eidd) |
| SangoInterpreter | Language Interpreter -- Sango (sag) | [This document](http://www.nena.org/?page=eidd) |
| SanskritInterpreter | Language Interpreter -- Sanskrit (san) | [This document](http://www.nena.org/?page=eidd) |
| SantaliInterpreter | Language Interpreter -- Santali (sat) | [This document](http://www.nena.org/?page=eidd) |
| SardinianInterpreter | Language Interpreter -- Sardinian (srd) | [This document](http://www.nena.org/?page=eidd) |
| SasakInterpreter | Language Interpreter -- Sasak (sas) | [This document](http://www.nena.org/?page=eidd) |
| ScotsInterpreter | Language Interpreter -- Scots (sco) | [This document](http://www.nena.org/?page=eidd) |
| SelkupInterpreter | Language Interpreter -- Selkup (sel) | [This document](http://www.nena.org/?page=eidd) |
| SemiticLanguagesInterpreter | Language Interpreter -- Semitic Languages (sem) | [This document](http://www.nena.org/?page=eidd) |
| SerbianInterpreter | Language Interpreter -- Serbian (srp) | [This document](http://www.nena.org/?page=eidd) |
| SererInterpreter | Language Interpreter -- Serer (srr) | [This document](http://www.nena.org/?page=eidd) |
| ShanInterpreter | Language Interpreter -- Shan (shn) | [This document](http://www.nena.org/?page=eidd) |
| ShonaInterpreter | Language Interpreter -- Shona (sna) | [This document](http://www.nena.org/?page=eidd) |
| SichuanYiNuosuInterpreter | Language Interpreter -- Sichuan YiNuosu (iii) | [This document](http://www.nena.org/?page=eidd) |
| SicilianInterpreter | Language Interpreter -- Sicilian (scn) | [This document](http://www.nena.org/?page=eidd) |
| SidamoInterpreter | Language Interpreter -- Sidamo (sid) | [This document](http://www.nena.org/?page=eidd) |
| SignLanguagesInterpreter | Language Interpreter -- Sign Languages (sgn) | [This document](http://www.nena.org/?page=eidd) |
| SiksikaInterpreter | Language Interpreter -- Siksika (bla) | [This document](http://www.nena.org/?page=eidd) |
| SindhiInterpreter | Language Interpreter -- Sindhi (snd) | [This document](http://www.nena.org/?page=eidd) |
| SinhalaSinhaleseInterpreter | Language Interpreter -- Sinhala Sinhalese (sin) | [This document](http://www.nena.org/?page=eidd) |
| Sino-TibetanLanguagesInterpreter | Language Interpreter -- Sino-Tibetan Languages (sit) | [This document](http://www.nena.org/?page=eidd) |
| SiouanLanguagesInterpreter | Language Interpreter -- Siouan Languages (sio) | [This document](http://www.nena.org/?page=eidd) |
| SkoltSamiInterpreter | Language Interpreter -- Skolt Sami (sms) | [This document](http://www.nena.org/?page=eidd) |
| Slave(Athapascan)Interpreter | Language Interpreter -- Slave - Athapascan (den) | [This document](http://www.nena.org/?page=eidd) |
| SlavicLanguagesInterpreter | Language Interpreter -- Slavic Languages (sla) | [This document](http://www.nena.org/?page=eidd) |
| SlavicSlavonicOldBulgarianInterpreter | Language Interpreter -- Slavic Slavonic Old Bulgarian (chu) | [This document](http://www.nena.org/?page=eidd) |
| SlovakInterpreter | Language Interpreter -- Slovak (slo (B)) | [This document](http://www.nena.org/?page=eidd) |
| SlovenianInterpreter | Language Interpreter -- Slovenian (slv) | [This document](http://www.nena.org/?page=eidd) |
| SogdianInterpreter | Language Interpreter -- Sogdian (sog) | [This document](http://www.nena.org/?page=eidd) |
| SomaliInterpreter | Language Interpreter -- Somali (som) | [This document](http://www.nena.org/?page=eidd) |
| SonghaiLanguagesInterpreter | Language Interpreter -- Songhai Languages (son) | [This document](http://www.nena.org/?page=eidd) |
| SoninkeInterpreter | Language Interpreter -- Soninke (snk) | [This document](http://www.nena.org/?page=eidd) |
| SorbianLanguagesInterpreter | Language Interpreter -- Sorbian Languages (wen) | [This document](http://www.nena.org/?page=eidd) |
| SothoSouthernInterpreter | Language Interpreter -- Sotho Southern (sot) | [This document](http://www.nena.org/?page=eidd) |
| SouthAmericanIndianLanguagesInterpreter | Language Interpreter -- South American Indian Languages (sai) | [This document](http://www.nena.org/?page=eidd) |
| SouthernAltaiInterpreter | Language Interpreter -- Southern Altai (alt) | [This document](http://www.nena.org/?page=eidd) |
| SouthernSamiInterpreter | Language Interpreter -- Southern Sami (sma) | [This document](http://www.nena.org/?page=eidd) |
| SpanishCastilianInterpreter | Language Interpreter -- Spanish Castilian (spa) | [This document](http://www.nena.org/?page=eidd) |
| SrananTongoInterpreter | Language Interpreter -- Sranan Tongo (srn) | [This document](http://www.nena.org/?page=eidd) |
| StandardMoroccanTamazightInterpreter | Language Interpreter -- Standard Moroccan Tamazight (zgh) | [This document](http://www.nena.org/?page=eidd) |
| SukumaInterpreter | Language Interpreter -- Sukuma (suk) | [This document](http://www.nena.org/?page=eidd) |
| SumerianInterpreter | Language Interpreter -- Sumerian (sux) | [This document](http://www.nena.org/?page=eidd) |
| SundaneseInterpreter | Language Interpreter -- Sundanese (sun) | [This document](http://www.nena.org/?page=eidd) |
| SusuInterpreter | Language Interpreter -- Susu (sus) | [This document](http://www.nena.org/?page=eidd) |
| SwahiliInterpreter | Language Interpreter -- Swahili (swa) | [This document](http://www.nena.org/?page=eidd) |
| SwatiInterpreter | Language Interpreter -- Swati (ssw) | [This document](http://www.nena.org/?page=eidd) |
| SwedishInterpreter | Language Interpreter -- Swedish (swe) | [This document](http://www.nena.org/?page=eidd) |
| SwissGermanAlemannicAlsatianInterpreter | Language Interpreter -- Swiss German Alemannic Alsatian (gsw) | [This document](http://www.nena.org/?page=eidd) |
| SyriacInterpreter | Language Interpreter -- Syriac (syr) | [This document](http://www.nena.org/?page=eidd) |
| TagalogInterpreter | Language Interpreter -- Tagalog (tgl) | [This document](http://www.nena.org/?page=eidd) |
| TahitianInterpreter | Language Interpreter -- Tahitian (tah) | [This document](http://www.nena.org/?page=eidd) |
| TaiLanguagesInterpreter | Language Interpreter -- Tai Languages (tai) | [This document](http://www.nena.org/?page=eidd) |
| TajikInterpreter | Language Interpreter -- Tajik (tgk) | [This document](http://www.nena.org/?page=eidd) |
| TamashekInterpreter | Language Interpreter -- Tamashek (tmh) | [This document](http://www.nena.org/?page=eidd) |
| TamilInterpreter | Language Interpreter -- Tamil (tam) | [This document](http://www.nena.org/?page=eidd) |
| TatarInterpreter | Language Interpreter -- Tatar (tat) | [This document](http://www.nena.org/?page=eidd) |
| TeluguInterpreter | Language Interpreter -- Telugu (tel) | [This document](http://www.nena.org/?page=eidd) |
| TerenoInterpreter | Language Interpreter -- Tereno (ter) | [This document](http://www.nena.org/?page=eidd) |
| TetumInterpreter | Language Interpreter -- Tetum (tet) | [This document](http://www.nena.org/?page=eidd) |
| ThaiInterpreter | Language Interpreter -- Thai (tha) | [This document](http://www.nena.org/?page=eidd) |
| TibetanInterpreter | Language Interpreter -- Tibetan (tib (B)) | [This document](http://www.nena.org/?page=eidd) |
| TigreInterpreter | Language Interpreter -- Tigre (tig) | [This document](http://www.nena.org/?page=eidd) |
| TigrinyaInterpreter | Language Interpreter -- Tigrinya (tir) | [This document](http://www.nena.org/?page=eidd) |
| TimneInterpreter | Language Interpreter -- Timne (tem) | [This document](http://www.nena.org/?page=eidd) |
| TivInterpreter | Language Interpreter -- Tiv (tiv) | [This document](http://www.nena.org/?page=eidd) |
| TlingitInterpreter | Language Interpreter -- Tlingit (tli) | [This document](http://www.nena.org/?page=eidd) |
| TokelauInterpreter | Language Interpreter -- Tokelau (tkl) | [This document](http://www.nena.org/?page=eidd) |
| TokPisinInterpreter | Language Interpreter -- Tok Pisin (tpi) | [This document](http://www.nena.org/?page=eidd) |
| TongaNyasaInterpreter | Language Interpreter -- Tonga Nyasa (tog) | [This document](http://www.nena.org/?page=eidd) |
| Tonga-TongaIslands-Interpreter | Language Interpreter -- Tonga (Tonga Islands) (ton) | [This document](http://www.nena.org/?page=eidd) |
| TsimshianInterpreter | Language Interpreter -- Tsimshian (tsi) | [This document](http://www.nena.org/?page=eidd) |
| TsongaInterpreter | Language Interpreter -- Tsonga (tso) | [This document](http://www.nena.org/?page=eidd) |
| TswanaInterpreter | Language Interpreter -- Tswana (tsn) | [This document](http://www.nena.org/?page=eidd) |
| TumbukaInterpreter | Language Interpreter -- Tumbuka (tum) | [This document](http://www.nena.org/?page=eidd) |
| TupiLanguagesInterpreter | Language Interpreter -- Tupi Languages (tup) | [This document](http://www.nena.org/?page=eidd) |
| TurkishInterpreter | Language Interpreter -- Turkish (tur) | [This document](http://www.nena.org/?page=eidd) |
| TurkmenInterpreter | Language Interpreter -- Turkmen (tuk) | [This document](http://www.nena.org/?page=eidd) |
| TuvaluInterpreter | Language Interpreter -- Tuvalu (tvl) | [This document](http://www.nena.org/?page=eidd) |
| TuvinianInterpreter | Language Interpreter -- Tuvinian (tyv) | [This document](http://www.nena.org/?page=eidd) |
| TwiInterpreter | Language Interpreter -- Twi (twi) | [This document](http://www.nena.org/?page=eidd) |
| UdmurtInterpreter | Language Interpreter -- Udmurt (udm) | [This document](http://www.nena.org/?page=eidd) |
| UgariticInterpreter | Language Interpreter -- Ugaritic (uga) | [This document](http://www.nena.org/?page=eidd) |
| UighurUyghurInterpreter | Language Interpreter -- Uighur Uyghur (uig) | [This document](http://www.nena.org/?page=eidd) |
| UkrainianInterpreter | Language Interpreter -- Ukrainian (ukr) | [This document](http://www.nena.org/?page=eidd) |
| UmbunduInterpreter | Language Interpreter -- Umbundu (umb) | [This document](http://www.nena.org/?page=eidd) |
| UpperSorbianInterpreter | Language Interpreter -- Upper Sorbian (hsb) | [This document](http://www.nena.org/?page=eidd) |
| UrduInterpreter | Language Interpreter -- Urdu (urd) | [This document](http://www.nena.org/?page=eidd) |
| UzbekInterpreter | Language Interpreter -- Uzbek (uzb) | [This document](http://www.nena.org/?page=eidd) |
| VaiInterpreter | Language Interpreter -- Vai (vai) | [This document](http://www.nena.org/?page=eidd) |
| VendaInterpreter | Language Interpreter -- Venda (ven) | [This document](http://www.nena.org/?page=eidd) |
| VietnameseInterpreter | Language Interpreter -- Vietnamese (vie) | [This document](http://www.nena.org/?page=eidd) |
| VolapukInterpreter | Language Interpreter -- Volap?k (vol) | [This document](http://www.nena.org/?page=eidd) |
| VoticInterpreter | Language Interpreter -- Votic (vot) | [This document](http://www.nena.org/?page=eidd) |
| WakashanLanguagesInterpreter | Language Interpreter -- Wakashan Languages (wak) | [This document](http://www.nena.org/?page=eidd) |
| WalloonInterpreter | Language Interpreter -- Walloon (wln) | [This document](http://www.nena.org/?page=eidd) |
| WarayInterpreter | Language Interpreter -- Waray (war) | [This document](http://www.nena.org/?page=eidd) |
| WashoInterpreter | Language Interpreter -- Washo (was) | [This document](http://www.nena.org/?page=eidd) |
| WelshInterpreter | Language Interpreter -- Welsh (wel (B)) | [This document](http://www.nena.org/?page=eidd) |
| WesternFrisianInterpreter | Language Interpreter -- Western Frisian (fry) | [This document](http://www.nena.org/?page=eidd) |
| WolaittaWolayttaInterpreter | Language Interpreter -- Wolaitta Wolaytta (wal) | [This document](http://www.nena.org/?page=eidd) |
| WolofInterpreter | Language Interpreter -- Wolof (wol) | [This document](http://www.nena.org/?page=eidd) |
| XhosaInterpreter | Language Interpreter -- Xhosa (xho) | [This document](http://www.nena.org/?page=eidd) |
| YakutInterpreter | Language Interpreter -- Yakut (sah) | [This document](http://www.nena.org/?page=eidd) |
| YaoInterpreter | Language Interpreter -- Yao (yao) | [This document](http://www.nena.org/?page=eidd) |
| YapeseInterpreter | Language Interpreter -- Yapese (yap) | [This document](http://www.nena.org/?page=eidd) |
| YiddishInterpreter | Language Interpreter -- Yiddish (yid) | [This document](http://www.nena.org/?page=eidd) |
| YorubaInterpreter | Language Interpreter -- Yoruba (yor) | [This document](http://www.nena.org/?page=eidd) |
| YupikLanguagesInterpreter | Language Interpreter -- Yupik Languages (ypk) | [This document](http://www.nena.org/?page=eidd) |
| ZandeLanguagesInterpreter | Language Interpreter -- Zande Languages (znd) | [This document](http://www.nena.org/?page=eidd) |
| ZapotecInterpreter | Language Interpreter -- Zapotec (zap) | [This document](http://www.nena.org/?page=eidd) |
| ZazaDimiliDimlKirdkiKirmanjkiInterpreter | Language Interpreter -- Zaza Dimili Diml Kirdki Kirmanjki (zza) | [This document](http://www.nena.org/?page=eidd) |
| ZenagaInterpreter | Language Interpreter -- Zenaga (zen) | [This document](http://www.nena.org/?page=eidd) |
| ZhuangChuangInterpreter | Language Interpreter -- Zhuang Chuang (zha) | [This document](http://www.nena.org/?page=eidd) |
| ZuluInterpreter | Language Interpreter -- Zulu (zul) | [This document](http://www.nena.org/?page=eidd) |
| ZuniInterpreter | Language Interpreter -- Zuni (zun) | [This document](http://www.nena.org/?page=eidd) |
| LoJack | LoJack? Stolen Vehicle Recovery System | [This document](http://www.nena.org/?page=eidd) |
| CrowdControlSpecialist | Crowd Control Specialist | [This document](http://www.nena.org/?page=eidd) |
| MountainSearchandRescueTech | Mountain Search and/or Rescue Technical Specialist | [This document](http://www.nena.org/?page=eidd) |
| NarcoticsIdentificationKitOperator | Narcotics Identification Kit Operator | [This document](http://www.nena.org/?page=eidd) |
| Paramedic | Paramedic | [This document](http://www.nena.org/?page=eidd) |
| PortablePumpFloating | Portable Pump -- Floating | [This document](http://www.nena.org/?page=eidd) |
| PortablePumpSubmersible | Portable Pump -- Submersible | [This document](http://www.nena.org/?page=eidd) |
| PublicInformationOfficer | Public Information Officer | [This document](http://www.nena.org/?page=eidd) |
| Telecommunicator | Public Safety Telecommunicator | [This document](http://www.nena.org/?page=eidd) |
| RadiologicTech | Radiologic Technician | [This document](http://www.nena.org/?page=eidd) |
| RadiationDetector | Victoreen Radiation Detector | [This document](http://www.nena.org/?page=eidd) |
| RegisteredNurse | Registered Nurse | [This document](http://www.nena.org/?page=eidd) |
| RescueRope | Rescue Rope | [This document](http://www.nena.org/?page=eidd) |
| SCBA | Self-Contained Breathing Apparatus | [This document](http://www.nena.org/?page=eidd) |
| Shotgun | Shotgun | [This document](http://www.nena.org/?page=eidd) |
| StructuralCollapaseRescueTech | Structural Collapse Rescue Technician | [This document](http://www.nena.org/?page=eidd) |
| StructuralEngineer | Structural Engineer | [This document](http://www.nena.org/?page=eidd) |
| SWAT | SWAT Officer | [This document](http://www.nena.org/?page=eidd) |
| SwiftwaterRescueEquipment | Swift Water Rescue Equipment | [This document](http://www.nena.org/?page=eidd) |
| SwiftwaterRescueTech | Swift Water/Flood Rescue Technical Specialist | [This document](http://www.nena.org/?page=eidd) |
| TaserTrained | Taser Trained | [This document](http://www.nena.org/?page=eidd) |
| ThermalCamera | Thermal Imaging Camera | [This document](http://www.nena.org/?page=eidd) |
| VacuumWater | Vacuum / Water | [This document](http://www.nena.org/?page=eidd) |
| WaterCanineSearchTech | Water Canine Search Technician | [This document](http://www.nena.org/?page=eidd) |
| WildLandFireTools | Wildland Fire Fighting Tools | [This document](http://www.nena.org/?page=eidd) |

# Impacts, Considerations, Abbreviations, Terms, and Definitions

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.

## 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]](#_Detailed_Functional_and) .

## 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]](#_Detailed_Functional_and) . 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.

## Recommendation for Additional Development Work

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.

|  |  |
| --- | --- |
| Section(s) | Reference to future work |
| 2 | Add radio channels/push to talk information |
| 2.10, 2.15 | Adding or moving additional callback information to the person type |
| 2.17, Appendix A | Include NIEM Commercial vehicle type |
| 2, Appendix A | Adding NIEM Injury treatment type |
| Appendix A | Conformance with future NIEM JSON version |
| 2 | Add weapon information. |
| TBD | Consider using JSON-LD context for NIEM compliance. |
| Apppendix A | Add a floor type that include floor integers. |
| TBD | Add a mapping between EIDO and NIEM em:EmergencyIncidentType |

## Anticipated Timeline

EIDO is an integral piece of NG9-1-1 and must be considered during implementation planning. Early implementation are enticipated considering the migration to NG911 in Canada.

## Cost 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]](#_Detailed_Functional_and) . 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.

## Abbreviations, Terms, and Definitions

See NENA Master Glossary of 9‑1‑1 Terminology, NENA-ADM-000 [1], for a complete listing of terms used in NENA documents. All abbreviations used in this document are listed below, along with any new or updated terms and definitions.

|  |  |  |  |
| --- | --- | --- | --- |
| **Term or Abbreviation (Expansion)** | **Definition / Description** | | ***WG Recommendations for Master Glossary:* (THIS COLUMN WILL BE DELETED BEFORE PUBLICATION)**   * (OK)Master Glossary Reviewed & Accepted * *(A)dd* * *(D)elete* * *(DA)Don’t add* * *(U)pdate* * *Other (text suggestions)* |
| EIDO (Emergency Incident Data Object) | | A JSON-based object that is used to share emergency incident information between and among authorized entities and systems. NENA has adopted the JSON-based EIDO (Emergency Incident Data Object) for sharing incident information among authorized NG9-1-1 entities and systems. |  |
| Data Element | | A unit of information composed of a name and value. The value can be a number, a boolean, a character string or a Data Component. |  |
| Data Component | | A structure composed of multiple Data Elements. |  |
| ESInet (Emergency Services IP Network) | | An ESInet is a managed IP network that is used for emergency services communications, and which can be shared by all public safety agencies. It provides the IP transport infrastructure upon which independent application platforms and core services can be deployed, including, but not restricted to, those necessary for providing NG9‑1‑1 services. ESInets may be constructed from a mix of dedicated and shared facilities. ESInets may be interconnected at local, regional, state, federal, national and international levels to form an IP-based inter-network (network of networks). The term ESInet designates the network, not the services that ride on the network. See [NGCS (Next Generation Core Services)](https://nenawiki.org/wiki/NGCS_(NG9-1-1_Core_Services)). |  |
| FE (Functional Element) | | A set of software features that may be combined with hardware interfaces and operations on those interfaces to accomplish a defined task. Some Functional Elements may contain other Functional Elements. |  |
| IMR (Interactive Media Response) | | An automated service used to play announcements, record responses and interact with callers using any or all of audio, video and text. |  |
| 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. |  |
| SIP (Session Initiation Protocol) | | An IETF defined protocol (RFC3261) that defines a method for establishing multimedia sessions over the Internet. Used as the call signaling protocol in VoIP, i2 and i3. |  |
| TCP (Transmission Control Protocol) | | A communications protocol linking different computer platforms across networks. TCP/IP functions at the 3rd and 4th levels of the open system integration model. |  |
| TLS (Transport Layer Security) | | An Internet protocol that operates between the IP layer and TCP and provides hop-by-hop authentication, integrity protection and privacy using a negotiated cipher-suite. |  |
| URL (Uniform Resource Locator) | | A URL is a type of URI specifically used for describing and navigating to a resource (e.g. [http://www.nena.org](http://www.nena.org/)) |  |

# Recommended Reading and References

1. NENA Master Glossary of 9-1-1 Terminology, [NENA-ADM-000](https://www.nena.org/?page=Glossary)
2. Detailed Functional and Interface Standards for the NENA i3 Solution – Stage 3, National Emergency Number Association, [NENA-STA-010](https://www.nena.org/page/i3_Stage3)
3. Introduction to the National Information Exchange Model (NIEM), version 0.3, February 12, 2007 available at: <https://reference.niem.gov/niem/guidance/introduction/0.3/niem-introduction-0.3.pdf>
4. NG9-1-1 Additional Data, National Emergency Number Association, [NENA-STA-012](https://www.nena.org/page/NG911_AdditionalData)
5. A Uniform Resource Name (URN) for Emergency and Other Well-Known Services, IETF RFC 5031, January 2008, <http://tools.ietf.org/html/rfc5031>.

# Exhibit X

**NOTE to document editor:** The Exhibits section is an optional section intended to include descriptive samples of the subject matter described in the other sections of your document. If it is not needed, replace this paragraph with the words “Not Applicable”.

Name each Exhibit using whatever label appeals to the WG. The NORMAL approach would be to use Exhibit A, Exhibit B, etc. Variations such as Exhibit A.1, Exhibit A.2, etc. may also be used.

For ease of use this naming will not be automatically applied by WORD. The Editor would simply do it manually, mimicking the format of the WORD Headers in preceding sections, without automatic numbering. 

# Appendix

## Appendix A : Required NIEM data element that need to be supported for EIDO compliance

The Person data component and the Vehicle data component both contains their respective NIEM data components. The NIEM PersonType and VehicleType also contains other NIEM data components.

In order for implementations to be interoperable, a subset of these NIEM data elements and data components must be supported by every EIDO implementation. In this context support means that the data element must be preserved when transmitting, receiving, storing or retrieving an EIDO.

To be compliant with this standard any EIDO implementation must support the following.

### PersonType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **NIEM Data element** | **Type** | **Description** | **Comment** |
| ageMeasure | nc:PersonAgeMeasure | nc:TimeMeasureType | A measurement of the age of a person. |  |
| birthDate | nc:PersonBirthDate | nc:DateType | A date a person was born. |  |
| birthLocation | nc:PersonBirthLocation | nc:LocationType | A location where a person was born. |  |
| *bloodTypeCode* | *j:PersonBloodTypeCode* | ncic:BLTCodeType | A blood group and RH factor of a person. |  |
| *buildCode* | *j:PersonBuildCode* | ndex:PersonBuildCodeType | A person's physique or body shape. |  |
| *citizenshipISO3166Alpha2Code* | *nc:PersonCitizenshipISO3166Alpha2Code* | iso\_3166:CountryAlpha2CodeType | A country that assigns rights, duties, and privileges to a person because of the birth or naturalization of the person in that country. |  |
| clothing | j:PersonClothing | j:ClothingType | An article of clothing, dress, or attire for a person. |  |
| complexion | nc:PersonComplexionText | nc:TextType | An appearance or condition of the skin of a person. | clear, freckled, wrinkled |
| description | nc:PersonDescriptionText | nc:TextType | A description of a person. |  |
| digitalImage | nc:PersonDigitalImage | nc:ImageType | A photograph or image of a person in a digital format. |  |
| disguise | nc:PersonDisguiseDescriptionText | nc:TextType | A description of something a person wears to conceal or mislead others as to the true appearance or identity of that person. | wig, mask, glasses, uniform |
| *ethnicityCode* | *j:PersonEthnicityCode* | ucr:EthnicityCodeType | A cultural lineage of a person. |  |
| *eyeColorCode* | *j:PersonEyeColorCode* | ncic:EYECodeType | A color of the eyes of a person. |  |
| *eyewearCode* | *j:PersonEyewearCode* | ndex:PersonEyewearCodeType | A description of glasses or other eyewear a person wears. |  |
| *facialHairCode* | *j:PersonFacialHairCode* | ndex:PersonFacialHairCodeType | A kind of facial hair of a person. |  |
| generalAppearance | nc:PersonGeneralAppearanceDescriptionText | nc:TextType | A description of the way a person looks and is presented overall. |  |
| hairAppearance | nc:PersonHairAppearanceText | nc:TextType | An overall appearance of the hair of a person. |  |
| hairCategory | nc:PersonHairCategoryText | nc:TextType | A kind of hair of a person, such as wavy or straight. |  |
| *hairColorCode* | *j:PersonHairColorCode* | ncic:HAIRCodeType | A color of the hair of a person. |  |
| *hairLengthCode* | *j:PersonHairLengthCode* | ndex:PersonHairLengthCodeType | A length of hair of a person. |  |
| *hairStyleCode* | *j:PersonHairStyleCode* | ndex:PersonHairStyleCodeType | A style or cut of hair worn by a person. |  |
| handedness | nc:PersonHandednessText | nc:TextType | A hand with which a person is more adept using. | left, right, ambidextrous |
| height | nc:PersonHeightMeasure | nc:LengthMeasureType | A measurement of the height of a person. |  |
| injury | nc:PersonInjury | nc:InjuryType | A form of physical harm or damage sustained by a person. |  |
| jewelry | nc:PersonJewelryDescriptionText | nc:TextType | A description of adornments a person wears. |  |
| languageIsEnglish | nc:PersonLanguageEnglishIndicator | niem-xs:boolean | True if a person understands and speaks English; false otherwise. |  |
| license | nc:PersonLicenseIdentification | nc:IdentificationType | An identification that references a license certification or registration of a person for some purpose. | This may be granted to certify a professional occupation or skill. |
| isLiving | nc:PersonLivingIndicator | niem-xs:boolean | True if a person is alive; false if a person is dead. | This indicator may be useful if a person is known to be dead but the death date is unknown. |
| *unionStatusText* | *nc:PersonUnionStatusText* | nc:TextType | A legal status of a union between two people. |  |
| mentalState | nc:PersonMentalStateText | nc:TextType | A mental condition of a person. |  |
| name | nc:PersonName | nc:PersonNameType | A combination of names and/or titles by which a person is known. |  |
| nationalIdentification | nc:PersonNationalIdentification | nc:IdentificationType | An identification that references a person within a country but is not based on fingerprint. |  |
| *nationalityCode* | nc:PersonNationalityISO3166Alpha2Code | iso\_3166:CountryAlpha2CodeType | A country of a person's citizenship or a country in which a person is deemed a national. |  |
| physicalFeature | nc:PersonPhysicalFeature | nc:PhysicalFeatureType | A prominent or easily identifiable aspect of a person. |  |
| primaryLanguage | nc:PersonPrimaryLanguage | nc:PersonLanguageType | A capacity of a person for a language with which that person has the strongest familiarity. | native language.  This can also be used for bi-lingual or multi-lingual people. |
| *raceCode* | *j:PersonRaceCode* | ncic:RACECodeType | A classification of a person based on factors such as geographical locations and genetics. |  |
| *sexCode* | *j:PersonSexCode* | ncic:SEXCodeType | A gender or sex of a person. |  |
| sexualOrientation | nc:PersonSexualOrientationText | nc:TextType | A target gender of the sexual interest of a person. |  |
| *skinToneCode* | *j:PersonSkinToneCode* | ncic:SKINCodeType | A color or tone of the skin of a person. |  |
| SSNIdentification | nc:PersonSSNIdentification | nc:IdentificationType | A unique identification reference to a living person; assigned by the United States Social Security Administration. | This is a 9-digit numeric identifier. ssn, SSN, social security number |
| isUSCitizen | nc:PersonUSCitizenIndicator | niem-xs:boolean | True if a person is a citizen of the United States; false otherwise. |  |
| weight | nc:PersonWeightMeasure | nc:WeightMeasureType | A measurement of the weight of a person. |  |
| *nationalityISO3166Alpha2Code* | *nc:PersonNationalityISO3166Alpha2Code* | iso\_3166:CountryAlpha2CodeType | A country of a person's citizenship or a country in which a person is deemed a national. |  |
| accent | nc:PersonAccentText | nc:TextType | A manner of pronunciation; a way of pronouncing words that may indicate the place of origin or social background of the speaker. |  |
| medicalCondition | nc:PersonMedicalCondition | nc:MedicalConditionType | A state of health for a person, on-going or present. |  |
| medicalDescription | nc:PersonMedicalDescriptionText | nc:TextType | A description of the overall health of a person. |  |
| medicationRequired | nc:PersonMedicationRequiredText | nc:TextType | A medication and dosage required for a person. |  |
| mood | nc:PersonMoodDescriptionText | nc:TextType | A description of a state of feeling of a person. | temper, humor |
| physicalDisability | nc:PersonPhysicalDisabilityText | nc:TextType | A physical disability of a person. |  |
| emergencyContact | nc:PersonEmergencyContactInformation | nc:ContactInformationType | A means of contacting someone in the event of an emergency. |  |

### VehicleType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| condition | nc:ItemConditionText | nc:TextType | A state or appearance of an item. | new, used, damaged |
| description | nc:ItemDescriptionText | nc:TextType | A description of an item. |  |
| owner | nc:ItemOwner | nc:EntityType | An entity which owns a property item. | property owner |
| ownerAppliedID | nc:ItemOwnerAppliedID | niem-xs:string | An identifier applied to an item by the owner. | A number on a car to identify it within a fleet of cars. |
| serialIdentification | nc:ItemSerialIdentification | nc:IdentificationType | An identification inscribed on or attached to a part, collection of parts, or complete unit by the manufacturer. |  |
| *category* | *nc:ItemCategoryText* | nc:TextType | A kind of property item. |  |
| *colorPrimaryCode* | *j:ConveyanceColorPrimaryCode* | ncic:VCOCodeType | A single, upper-most, front-most, or majority color of a vehicle. |  |
| *colorSecondaryCode* | *j:ConveyanceColorSecondaryCode* | ncic:VCOCodeType | A lower-most or rear-most color of a two-tone vehicle or a lesser color of a multi-colored vehicle. |  |
| image | nc:ItemImage | nc:ImageType | A binary representation of an image of an item. |  |
| makeName | nc:ItemMakeName | nc:ProperNameTextType | A name of the manufacturer that produced an item. |  |
| modelName | nc:ItemModelName | nc:ProperNameTextType | A name of a specific design or kind of item made by a manufacturer. |  |
| modelYear | nc:ItemModelYearDate | niem-xs:gYear | A year in which an item was manufactured or produced. |  |
| *styleCode* | *j:VehicleStyleCode* | ncic:VSTCodeType | A style of a vehicle. |  |
| registrationPlateIdentification | j:ConveyanceRegistrationPlateIdentification | nc:IdentificationType | An identification on a metal plate fixed to a conveyance. |  |
| isMotorized | nc:ConveyanceMotorizedIndicator | niem-xs:boolean | True if a conveyance is powered by a motor; false otherwise. |  |
| isTowed | nc:ConveyanceTowedIndicator | niem-xs:boolean | True if a conveyance is towed; false otherwise. |  |
| *useANSID20Code* | *j:VehicleUseANSID20Code* | aamva\_d20:VehicleUseCodeType | A manner or way in which a vehicle is used. |  |
| isCMV | nc:VehicleCMVIndicator | niem-xs:boolean | True if a vehicle is a commercial motor vehicle; false otherwise. |  |
| doorQuantity | nc:VehicleDoorQuantity | niem-xs:nonNegativeInteger | A number of doors on a vehicle. |  |
| identification | nc:VehicleIdentification | nc:IdentificationType | A unique identification for a specific vehicle. | VIN, VIN number, registration, plate |
| *makeCode* | *j:VehicleMakeCode* | ncic:VMACodeType | A manufacturer of a vehicle. |  |
| *modelCode* | *j:VehicleModelCode* | ncic:VMOCodeType | A specific design or class of vehicle made by a manufacturer. |  |
| isRental | nc:ItemRentalIndicator | niem-xs:boolean | True if an item is rented; false otherwise. |  |
| towerAssociation | nc:VehicleTowerAssociation | nc:ItemEntityAssociationType | An association between a vehicle and the entity that towed it. |  |
| VINA | j:VehicleVINAText | nc:TextType | A Vehicle Identification Number Analysis; a combination of a vehicle make and model information. |  |
| isWanted | j:VehicleWantedIndicator | niem-xs:boolean | True if a vehicle is being searched for by law enforcement; false otherwise. |  |

### DateType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| *date* | *nc:Date* | niem-xs:date | A full date. |  |
| dateTime | nc:DateTime | niem-xs:dateTime | A full date and time. |  |
| fiscalYear | nc:FiscalYearDate | nc:FiscalYearDateType | A year of a twelve month period that does not necessarily correspond to the calendar year. |  |
| yearMonth | nc:YearMonthDate | niem-xs:gYearMonth | A year and month. |  |
| marginOfError | nc:DateMarginOfErrorDuration | niem-xs:duration | A subjective assessment of the uncertainty of an estimated point by bounding an elements value with an estimated margin of error. |  |

### LocationType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| *address* | *nc:Address* | nc:AddressType | A postal location to which paper mail can be directed. |  |
| *addressGrid* | *nc:AddressGrid* | nc:AddressGridType | A location identified by a unit of a grid system overlaid on an area. |  |
| area | nc:LocationArea | nc:AreaType | A location identified by geographic boundaries. |  |
| *WGS84LocationCylinder* | *mo:WGS84LocationCylinder* | mo:WGS84LocationCylinderType | A location identified by a cylinder oriented vertically and centered on a point described with WGS84 coordinates. If it is appropriate for the radius and half-height properties to represent an error value (for example, because the event is a laser-designated target), then the true event location follows a normal distribution such that the cylinder defines the one-sigma (p≈0.67)(almost equal to) deviation. (A cylinder with twice the volume would be the two-sigma (p≈0.95)(almost equal to) deviation, etc.) Otherwise the cylinder encloses the full physical extent of the event. |  |
| *categoryCodeText* | *it:LocationCategoryCodeText* | nc:TextType | A category of operation performed at a given Location |  |
| categoryText | nc:LocationCategoryText | nc:TextType | A kind or functional description of a location. |  |
| contact | nc:LocationContactInformation | nc:ContactInformationType | A set of contact information for a location. |  |
| *addressCrossStreet* | *nc:AddressCrossStreet* | nc:CrossStreetType | A location identified by two or more streets which intersect. |  |
| description | nc:LocationDescriptionText | nc:TextType | A description of a location. |  |
| locationLandmark | nc:LocationLandmarkText | nc:TextType | A distinguishing physical feature at a location. |  |
| name | nc:LocationName | nc:ProperNameTextType | A name of a location. |  |
| floorNumber | nc:LocationFloorNumberText | nc:TextType | A floor number of a location. |  |
| uncertainty | mo:LocationUncertaintyArea | nc:AreaType | An area of uncertainty about a location. |  |

### ImageType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| ID | nc:BinaryID | niem-xs:string | An identifier that references a binary object. |  |
| isAvailable | nc:BinaryAvailableIndicator | niem-xs:boolean | True if a binary is available; false if it is not. |  |
| captureDate | nc:BinaryCaptureDate | nc:DateType | A date on which a binary object is captured or created. | This is the date an image was taken, an audio file was recorded, ... |
| description | nc:BinaryDescriptionText | nc:TextType | A description of a binary object. |  |
| format | nc:BinaryFormatText | nc:TextType | A file format or content type of a binary object. |  |
| URI | nc:BinaryURI | niem-xs:anyURI | A URL or file reference of a binary object. |  |
| size | nc:BinarySizeValue | nc:NonNegativeDecimalType | A size of a binary object in kilobytes. |  |
| categoryText | nc:BinaryCategoryText | nc:TextType | A kind of object that has been encoded. | mug shot, driver license picture, audio confession |
| height | nc:ImageHeightValue | niem-xs:nonNegativeInteger | A height of an image in pixels. |  |
| width | nc:ImageWidthValue | niem-xs:nonNegativeInteger | A width of an image in pixels. |  |

### LengthMeasureType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| *doubleValue* | *nc:MeasureDoubleValue* | niem-xs:double | A double measurement value. |  |
| *doubleRange* | *nc:MeasureDoubleRange* | nc:DoubleRangeType | A double measurement range. |  |
| *textList* | *nc:MeasureTextList* | nc:StringListType | A list of measurement values , all using the same measurement method/device and of the same units. |  |
| *unitText* | *nc:MeasureUnitText* | nc:TextType | A unit that qualifies the measurement value. |  |
| method | nc:MeasureMethodText | nc:TextType | A method used to make a measurement. |  |
| *unitCode* | *nc:LengthUnitCode* | unece:LengthCodeType | A unit of measure of a length value. |  |

### InjuryType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| *categoryCode* | *j:InjuryCategoryCode* | nc:TextType | A kind of bodily harm or injury. |  |
| date | nc:InjuryDate | nc:DateType | A date on which an injury occurred. | In EIDO InjuryDate should include DateRange/EndDate and DateRange/StartDate |
| description | nc:InjuryDescriptionText | nc:TextType | A description of an injury. |  |
| locationCode | *j:InjuryLocationNDEXCode* | nc:TextType | A place on the body of a person where an injury occurred. |  |
| severity | nc:InjurySeverityText | nc:TextType | A degree of the seriousness or intensity of an injury. |  |

### OrganizationType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| activity | nc:OrganizationActivityText | nc:TextType | An activity that an organization is known or thought to be involved with. | Ex: law enforcement, supervision |
| branchName | nc:OrganizationBranchName | nc:TextType | A name of the chapter or branch by which an organization is known within a larger group of organizations. |  |
| dayContact | nc:OrganizationDayContactInformation | nc:ContactInformationType | A means of contacting an organization during daytime hours. |  |
| doingBusinessAsName | nc:OrganizationDoingBusinessAsName | nc:TextType | A name an organization uses for conducting business. |  |
| emergencyContact | nc:OrganizationEmergencyContactInformation | nc:ContactInformationType | A means of contacting an organization in the event of an emergency. |  |
| establishedDate | nc:OrganizationEstablishedDate | nc:DateType | A date an organization was started. |  |
| eveningContact | nc:OrganizationEveningContactInformation | nc:ContactInformationType | A means of contacting an organization during evening or early night hours. |  |
| identification | nc:OrganizationIdentification | nc:IdentificationType | An identification that references an organization. | For a school, this would be a school identifier, for a lien holder, this would be a lien holder identifier, for a court, this would be a court identifier. |
| localIdentification | nc:OrganizationLocalIdentification | nc:IdentificationType | An identification assigned at a local level to an organization. |  |
| location | nc:OrganizationLocation | nc:LocationType | A location of an organization. |  |
| name | nc:OrganizationName | nc:TextType | A name of an organization. |  |
| nightContact | nc:OrganizationNightContactInformation | nc:ContactInformationType | A means of contacting an organization during late-night hours. |  |
| otherIdentification | nc:OrganizationOtherIdentification | nc:IdentificationType | An alternate identification assigned to an organization. |  |
| primaryContact | nc:OrganizationPrimaryContactInformation | nc:ContactInformationType | A preferred means of contacting an organization. |  |
| principalOfficial | nc:OrganizationPrincipalOfficial | nc:PersonType | A chief or high ranking executive of an organization. |  |
| status | nc:OrganizationStatus | nc:StatusType | A status of an organization. | Examples include: active, inactive |
| subUnit | nc:OrganizationSubUnit | nc:OrganizationType | A division of an organization. | Ex: department, group |
| taxIdentification | nc:OrganizationTaxIdentification | nc:IdentificationType | A tax identification assigned to an organization. | Ex: Federal Employer Identification Number, FEIN, an Employer Identification Number, EIN |
| abbreviation | nc:OrganizationAbbreviationText | nc:TextType | An abbreviation, acronym, or code for an organization name. | Ex: FBI, NCIC |
| description | nc:OrganizationDescriptionText | nc:TextType | A description of an organization. |  |

### IdentificationType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| ID | nc:IdentificationID | niem-xs:string | An identifier. |  |
| *categoryCode* | *j:PersonIDCategoryCode* | ncic:MNUCodeType | A kind of identifier assigned to a person. |  |
| categoryDescription | nc:IdentificationCategoryDescriptionText | nc:TextType | A description of a kind of identification. |  |
| effectiveDate | nc:IdentificationEffectiveDate | nc:DateType | A date an identification takes effect. | This may or may not be the issue date. |
| expirationDate | nc:IdentificationExpirationDate | nc:DateType | A date after which an identification is no longer valid. |  |
| jurisdiction | nc:IdentificationJurisdiction | nc:JurisdictionType | An area, region, or unit where a unique identification is issued. | For EIDO only nc:JurisdictionText in JurisdictionType must be supported |
| source | nc:IdentificationSourceText | nc:TextType | A person, organization, or locale which issues an identification. |  |
| status | nc:IdentificationStatus | nc:StatusType | A status of an identification. | Ex: valid, expired, revoked, suspended, replaced, duplicate, lost |

### StatusType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| *status* | *nc:StatusText* | nc:TextType | A status or condition of something or someone. |  |
| date | nc:StatusDate | nc:DateType | A date a status was set, effected, or reported. |  |
| description | nc:StatusDescriptionText | nc:TextType | A description of a status or condition of something or someone. |  |
| issuerIdentification | nc:StatusIssuerIdentification | nc:IdentificationType | An identification of a person or organization which assigns a status. |  |

### AddressType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| fullText | nc:AddressFullText | nc:TextType | A complete address. | Usually includes street, city, state, and zip code information. Can also include other mailing specifics such as PO Box, apartment number, or suite number. |
| recipientName | nc:AddressRecipientName | nc:TextType | A name of a person, organization, or other recipient to whom physical mail may be sent. |  |
| *buildingName* | *nc:AddressBuildingName* | nc:TextType | A name of a specific building at an address to distinguish it from other buildings at the same site. |  |
| deliveryPointID | nc:AddressDeliveryPointID | niem-xs:string | An identifier of a single place or unit at which mail is delivered. |  |
| privateMailbox | nc:AddressPrivateMailboxText | nc:TextType | A private mailbox within a company. | mail stop code |
| secondaryUnit | nc:AddressSecondaryUnitText | nc:TextType | A particular unit within a larger unit or grouping at a location. | Ex: apartment number, suite number |
| *routeName* | *nc:LocationRouteName* | nc:TextType | A name and number of a postal route. |  |
| *street* | *nc:LocationStreet* | nc:StreetType | A road, thoroughfare or highway. |  |
| city | nc:LocationCityName | nc:ProperNameTextType | A name of a city or town. |  |
| *countyCode* | *nc:LocationCountyCode* | census:USCountyCodeType | A county, parish, vicinage, or other such geopolitical subdivision of a state. |  |
| state | nc:LocationState | nc:StateType | A state, commonwealth, province, or other such geopolitical subdivision of a country. | Only nc:LocationStateFIPS5-2Code is required to be supported in StateType |
| country | nc:LocationCountry | nc:CountryType | A country, territory, dependency, or other such geopolitical subdivision of a location. | Only nc:LocationCountryISO3166Alpha2Code is required to be supported in CountryType |

### AreaType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| *WGS84LocationEllipse* | *mo:WGS84LocationEllipse* | mo:WGS84EllipseType | A area region described by an ellipse specified by a point, major axis, minor axis and rotation, using WGS84, meters, and decimal degrees. |  |
| *WGS84LocationExternalPolygon* | *mo:WGS84LocationExternalPolygon* | mo:WGS84ExternalPolygonType | An area region described by a polygon with no interior region, using WGS84 coordinates. |  |

### ContactInformationType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| *emailID* | *nc:ContactEmailID* | niem-xs:string | An electronic mailing address by which a person or organization may be contacted. |  |
| *instantMessenger* | *nc:ContactInstantMessenger* | nc:InstantMessengerType | A user account for an instant messaging program by which a person or organization may be contacted. |  |
| *mailingAddress* | *nc:ContactMailingAddress* | nc:AddressType | A postal address by which a person or organization may be contacted. |  |
| *radio* | *nc:ContactRadio* | nc:ContactRadioType | A method of contacting a person or organization by messages over a radio. |  |
| *telephoneNumber* | *nc:ContactTelephoneNumber* | nc:TelephoneNumberType | A telephone number for a telecommunication device by which a person or organization may be contacted. |  |
| entity | nc:ContactEntity | nc:EntityType | An entity that may be contacted by using the given contact information. |  |
| entityDescription | nc:ContactEntityDescriptionText | nc:TextType | A description of the entity being contacted. | This could be a title or function of the person with the given contact information.' |
| informationDescription | nc:ContactInformationDescriptionText | nc:TextType | A description of the contact information. |  |
| responder | nc:ContactResponder | nc:PersonType | A third party person who answers a call and connects or directs the caller to the intended person. |  |

### EntityType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| *organization* | *nc:EntityOrganization* | nc:OrganizationType | An organization capable of bearing legal rights and responsibilities. |  |
| *person* | *nc:EntityPerson* | nc:PersonType | A person capable of bearing legal rights and responsibilities. |  |

### CrossStreetType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| description | nc:CrossStreetDescriptionText | nc:TextType | A description of a street intersection. |  |
| relativeLocation | nc:CrossStreetRelativeLocation | nc:RelativeLocationType | A location of something relative to a street intersection. |  |

### PhysicalFeatureType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| generalCategory | nc:PhysicalFeatureGeneralCategoryText | nc:TextType | A general kind of physical feature. | Ex: scar, mark, tattoo, missing limb |
| categoryCode | j:PhysicalFeatureCategoryCode | nc:TextType | A specific kind of physical feature. |  |
| description | nc:PhysicalFeatureDescriptionText | nc:TextType | A description of a physical feature. |  |
| image | nc:PhysicalFeatureImage | nc:ImageType | A digital image of a physical feature. |  |
| location | nc:PhysicalFeatureLocationText | nc:TextType | A location on a person's body of a physical feature. |  |

### MedicalConditionType

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **JSON Name** | **Data element** | **Type** | **Description** | **Comment** |
| conditionText | nc:MedicalConditionText | nc:TextType | A state of health, on-going or present. | Ex: scar, mark, tattoo, missing limb |
| cause | nc:MedicalConditionCauseText | nc:TextType | A trigger that can initiate the onset of a medical condition. | Ex: drug, food, allergen |
| description | nc:MedicalConditionDescriptionText | nc:TextType | A description of a medical condition. |  |
| isPresent | nc:MedicalConditionPresentIndicator | niem-xs:boolean | True if a medical condition currently exists; false otherwise. |  |
| severity | nc:MedicalConditionSeverityText | nc:TextType | A degree to which a medical condition is affecting a person. |  |
| dateRange | nc:MedicalConditionDateRange | nc:DateRangeType | A date range for the start and end of a medical condition. |  |

## Appendix B: Mapping between vCard and NIEM PersonType

Note, that nc:Person and location data elements include a specifaction for the nature of the data element. For example, home address, work address, etc. vCard does not distinguish between the different nature types. Care must be taken to specify the proper nature type when mapping from vCard to PersonType.

|  |  |
| --- | --- |
| **VCARD Data Properties** | **NIEM Data Element** |
| General Properties: |  |
| BEGIN | No Mapping |
| END | No Mapping |
| SOURCE | No Mapping |
| KIND | No Mapping |
|
| XML | No Mapping |
| Identification Properties: |  |
| FN | nc:PersonFullName |
| N | nc:PersonSurName |
| nc:PersonGivenName |
| nc:PersonMiddleName |
| nc:PersonNamePrefixText |
| nc:PersonNameSuffixText |
| NICKNAME | im:PersonNickName |
| PHOTO | nc:PersonDigitalImage |
| BDAY | nc:PersonBirthDate |
| ANNIVERSARY | No Mapping |
| GENDER | j:PersonSexCode |
| ADR | nc:AddressPrivateMailboxText |
| nc:AddressSecondaryUnitText |
| nc:LocationStreet |
| nc:LocationCityName |
| nc:LocationCityName |
| nc:LocationPostalCode |
| nc:LocationCountry |
| TEL | nc:FullTelephoneNumber |
| EMAIL | nc:Email |
| IMPP | nc:ContactInstantMessenger |
| LANG | nc:PersonPrimaryLanguage |
| TZ | No Mapping |
| GEO | geo:LocationGeospatialPoint |
| TITLE | em:JobTitleOrRoleName |
| ROLE | em:JobTitleOrRoleName |
| ORG | nc:OrganizationName |
| MEMBER | nc:OrganizationBranchName |
| nc:OrganizationPrimaryContactInformation |
| RELATED | No Mapping except for emergency contact: nc:PersonEmergencyContactInformation |
| CATEGORIES | nc:PersonDescriptionText |
| NOTE | nc:PersonDescriptionText |
| PRODID | No Mapping |
| REV | No Mapping |
| SOUND | No Mapping |
| UID | nc:PersonOtherIdentification |
| CLIENTPIDMAP | No Mapping |
| URL | nc:URLID |
| VERSION | No Mapping |
| KEY | nc:ContactWebsiteURI |
| FBURL | nc:ContactWebsiteURI |
| CALADRURI | nc:ContactWebsiteURI |
| CALURI | nc:ContactWebsiteURI |

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NENA Board of Directors Approval Date: [MM/DD/YYYY] (Will be added by the CRM.)

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The table below shall contain the names of persons who have **actively contributed (verbally or in writing)** to the development of the document. The employer name shall be the name of the person’s employer at the time the document is approved by the NENA Board of Directors. Where appropriate include a member’s ENP status.

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[Additional names and description of reasons for acknowledgement]

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* Pete Eggimann, ENP, and Jim Shepard, ENP, Development Steering Council Co-Chairs
* Brandon Abley, ENP, Technical Issues Director
* April Heinze, ENP, PSAP Operations Director

1. NENA-STA-010 will include text to handle the case of sending the EIDO by reference or value in a transferred SIP call. [↑](#footnote-ref-1)
2. 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). [↑](#footnote-ref-2)
3. 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. [↑](#footnote-ref-3)
4. 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). [↑](#footnote-ref-4)