

Schema documentation for massdot-itms-events-feed.xsd

february 22, 2019

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Schema(s)

Main schema massdot-itms-events-feed.xsd

| | |
|------------|---------------------------------------|
| Properties | attribute form default: unqualified |
| | element form default: unqualified |

Element(s)

Element latlon / Latitude

| | |
|------------|--|
| Diagram | |
| Type | restriction of xs:decimal |
| Properties | content: simple |
| Facets | maxInclusive 90 |
| | minInclusive -90 |
| Source | <pre><xs:element name="Latitude"> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:minInclusive value="-90"/> <xs:maxInclusive value="90"/> </xs:restriction> </xs:simpleType> </xs:element></pre> |

Element latlon / Longitude

| | |
|------------|-----------------------------------|
| Diagram | |
| Type | restriction of xs:decimal |
| Properties | content: simple |

| | | |
|--------|---|------|
| Facets | maxInclusive | 180 |
| | minInclusive | -180 |
| Source | <pre><xs:element name="Longitude"> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:minInclusive value="-180"/> <xs:maxInclusive value="180"/> </xs:restriction> </xs:simpleType> </xs:element></pre> | |

Element locationPoint / RoadwayName

| | | |
|-------------|--|--------|
| Annotations | Name of the roadway for the location including direction (e.g. I-93 NB). | |
| Diagram | | |
| Type | xs:string | |
| Properties | content: | simple |
| Source | <pre><xs:element name="RoadwayName" type="xs:string"> <xs:annotation> <xs:documentation>Name of the roadway for the location including direction (e.g. I-93 NB).</ </xs:annotation> </xs:element></pre> | |

Element locationPoint / Coordinates

| | | |
|-------------|---|---------|
| Annotations | The coordinates of the start/end/decision point. | |
| Diagram | | |
| Type | latlon | |
| Properties | content: | complex |
| Model | Latitude , Longitude | |
| Children | Latitude, Longitude | |
| Instance | <pre><Coordinates> <Latitude>{1,1}</Latitude> <Longitude>{1,1}</Longitude> </Coordinates></pre> | |
| Source | <pre><xs:element name="Coordinates" type="latlon"> <xs:annotation> <xs:documentation>The coordinates of the start/end/decision point.</xs:documentation> </xs:annotation> </xs:element></pre> | |

Element eventLocation / Point

| | |
|-------------|---------------------------------|
| Annotations | The location for a point event. |
|-------------|---------------------------------|

| | |
|------------|---|
| Diagram | |
| Type | locationPoint |
| Properties | content: complex |
| Model | RoadwayName , Coordinates |
| Children | Coordinates, RoadwayName |
| Instance | <pre><Point> <RoadwayName>{1,1}</RoadwayName> <Coordinates>{1,1}</Coordinates> </Point></pre> |
| Source | <pre><xs:element name="Point" type="locationPoint"> <xs:annotation> <xs:documentation>The location for a point event.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element eventLocation / Range

| | |
|-------------|--|
| Annotations | The location for a range event. |
| Diagram | |
| Properties | content: complex |
| Model | Start , Waypoint* , End |
| Children | End, Start, Waypoint |
| Instance | <pre><Range> <Start>{1,1}</Start> <Waypoint>{0,unbounded}</Waypoint> <End>{1,1}</End> </Range></pre> |
| Source | <pre><xs:element name="Range"> <xs:annotation> <xs:documentation>The location for a range event.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Start" type="locationPoint"></pre> |

```

        <xs:annotation>
          <xs:documentation>The point on the roadway that indicates the beginning of the event.</
xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="Waypoint" type="locationPoint" minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>A point on the roadway that indicates a waypoint.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="End" type="locationPoint">
        <xs:annotation>
          <xs:documentation>The point on the roadway that indicates the end of the event.</
xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

Element eventLocation / Range / Start

| | |
|-------------|--|
| Annotations | The point on the roadway that indicates the beginning of the event. |
| Diagram | <pre> graph LR Start[Start Type: locationPoint] --- ComplexContent(()) ComplexContent --- RoadwayName[RoadwayName Type: xs:string Cardinality: 1..1] ComplexContent --- Coordinates[Coordinates Type: latlon Cardinality: 1..1] </pre> <p>The point on the roadway that indicates the beginning of the event.</p> <p>Name of the roadway for the location including direction (e.g. I-93 NB).</p> <p>The coordinates of the start/end/decision point.</p> |
| Type | locationPoint |
| Properties | content: complex |
| Model | RoadwayName , Coordinates |
| Children | Coordinates, RoadwayName |
| Instance | <pre> <Start> <RoadwayName>{1,1}</RoadwayName> <Coordinates>{1,1}</Coordinates> </Start> </pre> |
| Source | <pre> <xs:element name="Start" type="locationPoint"> <xs:annotation> <xs:documentation>The point on the roadway that indicates the beginning of the event.</ xs:documentation> </xs:annotation> </xs:element> </pre> |

Element eventLocation / Range / Waypoint

| | |
|-------------|---|
| Annotations | A point on the roadway that indicates a waypoint. |
|-------------|---|

| | | | | | | | |
|------------|--|----------|---------|------------|---|------------|-----------|
| Diagram | | | | | | | |
| Type | locationPoint | | | | | | |
| Properties | <table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table> | content: | complex | minOccurs: | 0 | maxOccurs: | unbounded |
| content: | complex | | | | | | |
| minOccurs: | 0 | | | | | | |
| maxOccurs: | unbounded | | | | | | |
| Model | RoadwayName , Coordinates | | | | | | |
| Children | Coordinates, RoadwayName | | | | | | |
| Instance | <pre><Waypoint> <RoadwayName>{1,1}</RoadwayName> <Coordinates>{1,1}</Coordinates> </Waypoint></pre> | | | | | | |
| Source | <pre><xs:element name="Waypoint" type="locationPoint" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>A point on the roadway that indicates a waypoint.</xs:documentation> </xs:annotation> </xs:element></pre> | | | | | | |

Element eventLocation / Range / End

| | | | |
|-------------|---|----------|---------|
| Annotations | The point on the roadway that indicates the end of the event. | | |
| Diagram | | | |
| Type | locationPoint | | |
| Properties | <table> <tr> <td>content:</td><td>complex</td></tr> </table> | content: | complex |
| content: | complex | | |
| Model | RoadwayName , Coordinates | | |
| Children | Coordinates, RoadwayName | | |
| Instance | <pre><End> <RoadwayName>{1,1}</RoadwayName> <Coordinates>{1,1}</Coordinates> </End></pre> | | |
| Source | <pre><xs:element name="End" type="locationPoint"> <xs:annotation> <xs:documentation>The point on the roadway that indicates the end of the event.</xs:documentation> </xs:annotation> </xs:element></pre> | | |

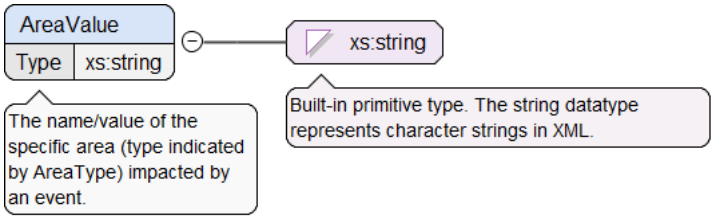
Element eventLocation / Area

| | |
|-------------|---|
| Annotations | The location for an area event. |
| Diagram | |
| Properties | content: complex |
| Model | AreaType , AreaValue+ |
| Children | AreaType, AreaValue |
| Instance | <pre><Area> <AreaType>{1,1}</AreaType> <AreaValue>{1,unbounded}</AreaValue> </Area></pre> |
| Source | <pre><xs:element name="Area"> <xs:annotation> <xs:documentation>The location for an area event.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="AreaType" type="areaEventType"> <xs:annotation> <xs:documentation>The type of area region impacted by an event.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="AreaValue" type="xs:string" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>The name/value of the specific area (type indicated by AreaType) impacted by an event.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre> |

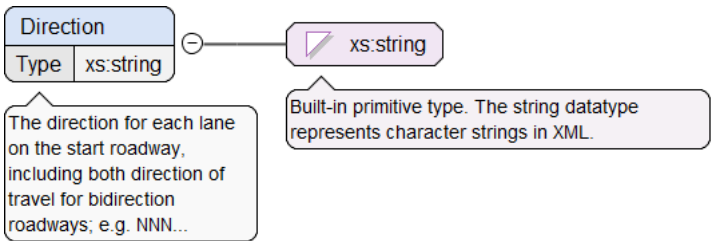
Element eventLocation / Area / AreaType

| | | | | | | | | | | | |
|-------------|---|-------------|------|-------------|--------|-------------|-------------|-------------|----------|-------------|-----------|
| Annotations | The type of area region impacted by an event. | | | | | | | | | | |
| Diagram | | | | | | | | | | | |
| Type | areaEventType | | | | | | | | | | |
| Properties | content: simple | | | | | | | | | | |
| Facets | <table> <tr><td>enumeration</td><td>TOWN</td></tr> <tr><td>enumeration</td><td>COUNTY</td></tr> <tr><td>enumeration</td><td>SUBDISTRICT</td></tr> <tr><td>enumeration</td><td>DISTRICT</td></tr> <tr><td>enumeration</td><td>STATEWIDE</td></tr> </table> | enumeration | TOWN | enumeration | COUNTY | enumeration | SUBDISTRICT | enumeration | DISTRICT | enumeration | STATEWIDE |
| enumeration | TOWN | | | | | | | | | | |
| enumeration | COUNTY | | | | | | | | | | |
| enumeration | SUBDISTRICT | | | | | | | | | | |
| enumeration | DISTRICT | | | | | | | | | | |
| enumeration | STATEWIDE | | | | | | | | | | |
| Source | <pre><xs:element name="AreaType" type="areaEventType"> <xs:annotation> <xs:documentation>The type of area region impacted by an event.</xs:documentation> </xs:annotation> </xs:element></pre> | | | | | | | | | | |

Element eventLocation / Area / AreaValue

| | | | | | |
|-------------|--|----------|--------|------------|-----------|
| Annotations | The name/value of the specific area (type indicated by AreaType) impacted by an event. | | | | |
| Diagram |  <p>The diagram shows the AreaValue element with a Type of xs:string. A callout box explains: "The name/value of the specific area (type indicated by AreaType) impacted by an event." Another callout box for xs:string explains: "Built-in primitive type. The string datatype represents character strings in XML."</p> | | | | |
| Type | xs:string | | | | |
| Properties | <table><tr><td>content:</td><td>simple</td></tr><tr><td>maxOccurs:</td><td>unbounded</td></tr></table> | content: | simple | maxOccurs: | unbounded |
| content: | simple | | | | |
| maxOccurs: | unbounded | | | | |
| Source | <pre><xs:element name="AreaValue" type="xs:string" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>The name/value of the specific area (type indicated by AreaType) impacted by an event.</xs:documentation> </xs:annotation> </xs:element></pre> | | | | |

Element laneInfo / Direction

| | | | |
|-------------|--|----------|--------|
| Annotations | <p>The direction for each lane on the start roadway, including both direction of travel for bidirection roadways; e.g. NNN from three northbound lanes and SSSNNN for three southbound lanes and three northbound lanes. The convention is:</p> <ul style="list-style-type: none">- For northbound lanes, the first letter indicates the leftmost travel lane, which is closest to the median;- For southbound lanes, the first letter indicates the rightmost lane, which is closest to entry and exit ramps;- For eastbound lanes, the first letter indicates the leftmost travel lane, which is closest to the median;- For westbound lanes, the first letter indicates the rightmost lane, which is closest to entry and exit ramps. | | |
| Diagram |  <p>The diagram shows the Direction element with a Type of xs:string. A callout box explains: "The direction for each lane on the start roadway, including both direction of travel for bidirection roadways; e.g. NNN..." Another callout box for xs:string explains: "Built-in primitive type. The string datatype represents character strings in XML."</p> | | |
| Type | xs:string | | |
| Properties | <table><tr><td>content:</td><td>simple</td></tr></table> | content: | simple |
| content: | simple | | |
| Source | <pre><xs:element name="Direction" type="xs:string"> <xs:annotation> <xs:documentation>The direction for each lane on the start roadway, including both direction of travel for bidirection roadways; e.g. NNN from three northbound lanes and SSSNNN for three southbound lanes and three northbound lanes. The convention is: - For northbound lanes, the first letter indicates the leftmost travel lane, which is closest to the median; - For southbound lanes, the first letter indicates the rightmost lane, which is closest to entry and exit ramps; - For eastbound lanes, the first letter indicates the leftmost travel lane, which is closest to the median; - For westbound lanes, the first letter indicates the rightmost lane, which is closest to entry and exit ramps.</xs:documentation> </xs:annotation> </xs:element></pre> | | |

Element laneInfo / LanesAffected

| | |
|-------------|--|
| Annotations | Lanes affected, where open lanes will be represented by X and closed lanes by O. For example, if the rightmost two lanes are closed, then the string will be OOOOXX. |
|-------------|--|

| | |
|------------|--|
| Diagram | |
| Type | xs:string |
| Properties | content: simple |
| Source | <pre><xs:element name="LanesAffected" type="xs:string"> <xs:annotation> <xs:documentation>Lanes affected, where open lanes will be represented by X and closed lanes by O. For example, if the rightmost two lanes are closed, then the string will be OOOOXX.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element eventOccurrence / StartDateTime

| | |
|-------------|---|
| Annotations | The start Date/Time for the occurrence. |
| Diagram | |
| Type | xs:dateTime |
| Properties | content: simple |
| Source | <pre><xs:element name="StartDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The start Date/Time for the occurrence.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element eventOccurrence / EndDateTime

| | |
|-------------|---|
| Annotations | The end Date/Time for the occurrence. |
| Diagram | |
| Type | xs:dateTime |
| Properties | content: simple |
| Source | <pre><xs:element name="EndDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The end Date/Time for the occurrence.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element event / Name

| | |
|-------------|-------------------------------|
| Annotations | Short name given to an event. |
| Diagram | |

| | |
|------------|--|
| Type | xs:string |
| Properties | content: simple |
| Source | <pre><xs:element name="Name" type="xs:string"> <xs:annotation> <xs:documentation>Short name given to an event.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element event / CreatedAt

| | |
|-------------|---|
| Annotations | Date/Time an event was created. |
| Diagram | |
| Type | xs:dateTime |
| Properties | content: simple |
| Source | <pre><xs:element name="CreatedAt" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date/Time an event was created.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element event / ConfirmedAt

| | |
|-------------|---|
| Annotations | Date/Time an event was confirmed. |
| Diagram | |
| Type | xs:dateTime |
| Properties | content: simple |
| Source | <pre><xs:element name="ConfirmedAt" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date/Time an event was confirmed.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element event / UpdatedAt

| | |
|-------------|---|
| Annotations | Date/Time an event was updated. |
| Diagram | |
| Type | xs:dateTime |
| Properties | content: simple |
| Source | <pre><xs:element name="UpdatedAt" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date/Time an event was updated.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element event / StartDate

| | |
|-------------|-----------------------------------|
| Annotations | The start Date/Time for an event. |
|-------------|-----------------------------------|

| | |
|------------|---|
| Diagram | |
| Type | xs:dateTime |
| Properties | content: simple |
| Source | <pre><xs:element name="StartDate" type="xs:dateTime"> <xs:annotation> <xs:documentation>The start Date/Time for an event.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element event / Location

| | |
|-------------|---|
| Annotations | The location defined for an event. |
| Diagram | |
| Type | eventLocation |
| Properties | content: complex |
| Model | Point Range Area |
| Children | Area, Point, Range |
| Instance | <pre><Location> <Point>{1,1}</Point> <Range>{1,1}</Range> <Area>{1,1}</Area> </Location></pre> |
| Source | <pre><xs:element name="Location" type="eventLocation"> <xs:annotation> <xs:documentation>The location defined for an event.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element event / Status

| | |
|-------------|---------------------------------|
| Annotations | The current status of an event. |
| Diagram | |
| Type | eventStatus |
| Properties | content: simple |
| Facets | enumeration ACTIVE |

| | |
|--------|--|
| | enumeration FUTURE |
| | enumeration TERMINATED |
| Source | <pre><xs:element name="Status" type="eventStatus"> <xs:annotation> <xs:documentation>The current status of an event.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element event / LaneInfo

| | |
|-------------|---|
| Annotations | Parent element for lane-level information for the location of an event. |
| Diagram | |
| Type | laneInfo |
| Properties | content: complex minOccurs: 0 |
| Model | Direction , LanesAffected |
| Children | Direction, LanesAffected |
| Instance | <pre><LaneInfo> <Direction>{1,1}</Direction> <LanesAffected>{1,1}</LanesAffected> </LaneInfo></pre> |
| Source | <pre><xs:element name="LaneInfo" type="laneInfo" minOccurs="0"> <xs:annotation> <xs:documentation>Parent element for lane-level information for the location of an event.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element specialEventSpecifics / SpecialEventCharacteristics

| | |
|-------------|--|
| Annotations | The characteristics specific to a Special Event. |
|-------------|--|

| Diagram | <p>The diagram shows a box labeled "TypeSpecific" with a callout bubble containing the text "Details specific to the type of Planned Event." This box is connected to a larger box titled "Type Alternatives". Inside "Type Alternatives", there are two entries, each with a square icon, a name, and a "Test" field. The first entry is "constructionMaintenanceSpecifics" with the test "@type = 'CONSTRUCTION/MAINTENANCE'". The second entry is "specialEventSpecifics" with the test "@type = 'SPECIAL_EVENT'". Both entries have a plus sign (+) to their right.</p> | | | | | | | | | | | |
|----------------------------------|---|-------------------------|------|-------------------------|----------------------------------|------------------------------------|--|-----------------------|-------------------------|--|--|--|
| Type Alternatives | <table><thead><tr><th>Type</th><th>Test</th><th>XPath default namespace</th></tr></thead><tbody><tr><td>constructionMaintenanceSpecifics</td><td>@type = 'CONSTRUCTION/MAINTENANCE'</td><td></td></tr><tr><td>specialEventSpecifics</td><td>@type = 'SPECIAL_EVENT'</td><td></td></tr></tbody></table> | Type | Test | XPath default namespace | constructionMaintenanceSpecifics | @type = 'CONSTRUCTION/MAINTENANCE' | | specialEventSpecifics | @type = 'SPECIAL_EVENT' | | | |
| Type | Test | XPath default namespace | | | | | | | | | | |
| constructionMaintenanceSpecifics | @type = 'CONSTRUCTION/MAINTENANCE' | | | | | | | | | | | |
| specialEventSpecifics | @type = 'SPECIAL_EVENT' | | | | | | | | | | | |
| Source | <pre><xs:element name="TypeSpecific"> <xs:annotation> <xs:documentation>Details specific to the type of Planned Event.</xs:documentation> </xs:annotation> <xs:alternative test="@type = 'CONSTRUCTION/MAINTENANCE'" type="constructionMaintenanceSpecifics"/> <xs:alternative test="@type = 'SPECIAL_EVENT'" type="specialEventSpecifics"/> </xs:element></pre> | | | | | | | | | | | |

Element plannedEvent / Occurrences

| | | | |
|-------------|--|---------|--|
| Annotations | A list of all occurrences for a single event. Up to 20 per event (arbitrary cap). | | |
| Diagram | | | |
| Properties | content: | complex | |
| Model | Occurrence | | |
| Children | Occurrence | | |
| Instance | <pre><Occurrences> <Occurrence>{1,1}</Occurrence> </Occurrences></pre> | | |
| Source | <pre><xs:element name="Occurrences"> <xs:annotation> <xs:documentation>A list of all occurrences for a single event. Up to 20 per event (arbitrary cap).</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence maxOccurs="20"> <xs:element name="Occurrence" type="eventOccurrence"> <xs:annotation> <xs:documentation>A single occurrence of a reurring event.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre> | | |

Element plannedEvent / Occurrences / Occurrence

| | |
|-------------|--|
| Annotations | A single occurrence of a reurring event. |
|-------------|--|

| | |
|------------|---|
| Diagram | |
| Type | eventOccurrence |
| Properties | content: complex |
| Model | StartDateTime , EndDateTime |
| Children | EndDateTime, StartDateTime |
| Instance | <pre><Occurrence> <StartDateTime>{1,1}</StartDateTime> <EndDateTime>{1,1}</EndDateTime> </Occurrence></pre> |
| Source | <pre><xs:element name="Occurrence" type="eventOccurrence"> <xs:annotation> <xs:documentation>A single occurrence of a reurring event.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element advisoryWatchWarningCharacteristics / ID

| | |
|-------------|---|
| Annotations | An identifier for the specific weather category, event, and location. |
| Diagram | |
| Type | xs:integer |
| Properties | content: simple |
| Source | <pre><xs:element name="ID" type="xs:integer"> <xs:annotation> <xs:documentation>An identifier for the specific weather category, event, and location.</ </xs:annotation> </xs:element></pre> |

Element advisoryWatchWarningCharacteristics / Category

| | | | | | |
|-------------|---|-------------|----------|-------------|-------|
| Annotations | The category of the advisory/watch/warning, (either ADVISORY, WATCH, or WARNING). | | | | |
| Diagram | | | | | |
| Type | restriction of xs:string | | | | |
| Properties | content: simple | | | | |
| Facets | <table> <tr> <td>enumeration</td><td>ADVISORY</td></tr> <tr> <td>enumeration</td><td>WATCH</td></tr> </table> | enumeration | ADVISORY | enumeration | WATCH |
| enumeration | ADVISORY | | | | |
| enumeration | WATCH | | | | |

| | |
|--------|---|
| | enumeration WARNING |
| Source | <pre> <xs:element name="Category"> <xs:annotation> <xs:documentation>The category of the advisory/watch/warning, (either ADVISORY, WATCH, or WARNING).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="ADVISORY"/> <xs:enumeration value="WATCH"/> <xs:enumeration value="WARNING"/> </xs:restriction> </xs:simpleType> </xs:element> </pre> |

Element advisoryWatchWarningCharacteristics / EventType

| | |
|-------------|--|
| Annotations | The type of weather event (e.g. Tornado, Hurricane). |
| Diagram | |
| Type | xs:string |
| Properties | content: simple |
| Source | <pre> <xs:element name="EventType" type="xs:string"> <xs:annotation> <xs:documentation>The type of weather event (e.g. Tornado, Hurricane).</xs:documentation> </xs:annotation> </xs:element> </pre> |

Element advisoryWatchWarningCharacteristics / Location

| | |
|-------------|--|
| Annotations | The specified location of the advistory/watch/warning. This could be a county name, 'STATEWIDE', or many county names. |
| Diagram | |
| Properties | maxOccurs: unbounded |
| Source | <pre> <xs:element name="Location" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>The specified location of the advistory/watch/warning. This could be a county name, 'STATEWIDE', or many county names.</xs:documentation> </xs:annotation> </xs:element> </pre> |

Element advisoryWatchWarningCharacteristics / StartDateTime

| | |
|-------------|---|
| Annotations | The specified start time for the advisory/watch/warning. |
| Diagram | |
| Type | xs:dateTime |
| Properties | content: simple |
| Source | <pre> <xs:element name="StartDateTime" type="xs:dateTime"> </pre> |


```
<xs:annotation>
  <xs:documentation>The specified start time for the advisory/watch/warning.</xs:documentation>
</xs:annotation>
</xs:element>
```

Element advisoryWatchWarningCharacteristics / EndDateTime

| | |
|-------------|--|
| Annotations | The specified end time for the advisory/watch/warning. |
| Diagram | |
| Type | xs:dateTime |
| Properties | content: simple |
| Source | <pre><xs:element name="EndDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The specified end time for the advisory/watch/warning.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element roadwayTrafficCharacteristics / HasSpeedRestriction

| | |
|-------------|---|
| Annotations | Specifies if there is a speed restriction associated with the event. |
| Diagram | |
| Type | xs:boolean |
| Properties | content: simple |
| Source | <pre><xs:element name="HasSpeedRestriction" type="xs:boolean"> <xs:annotation> <xs:documentation>Specifies if there is a speed restriction associated with the event.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element roadwayTrafficCharacteristics / IsWithinWorkZone

| | |
|-------------|---|
| Annotations | Specifies if the event is within a work zone. |
| Diagram | |
| Type | xs:boolean |
| Properties | content: simple |
| Source | <pre><xs:element name="IsWithinWorkZone" type="xs:boolean"> <xs:annotation> <xs:documentation>Specifies if the event is within a work zone.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element roadwayTrafficCharacteristics / IsBoreClosureRequired

| | |
|-------------|--|
| Annotations | Specifies if there is a bore closure required for the event. |
|-------------|--|

| | |
|------------|---|
| Diagram | |
| Type | xs:boolean |
| Properties | content: simple |
| Source | <pre><xs:element name="IsBoreClosureRequired" type="xs:boolean"> <xs:annotation> <xs:documentation>Specifies if there is a bore closure required for the event.</ </xs:annotation> </xs:element></pre> |

Element roadwayTrafficSpecifics / Subtype

| Annotations | The ascribed sub-type of the ROADWAY/TRAFFIC Unplanned Event. | | | | | | | | | | | | | | | | | |
|---|---|-------------------------|------|-------------------------|---------------------------|----------------|--|------------------------------------|--------------------------|--|---|-------------------------------|--|---------------------------------|--|--|--|--|
| Diagram | | | | | | | | | | | | | | | | | | |
| Type | xs:string | | | | | | | | | | | | | | | | | |
| Properties | content: | simple | | | | | | | | | | | | | | | | |
| Type Alternatives | <table><thead><tr><th>Type</th><th>Test</th><th>XPath default namespace</th></tr></thead><tbody><tr><td>roadwayTrafficFireSubtype</td><td>@type = 'FIRE'</td><td></td></tr><tr><td>roadwayTrafficRoadwayDamageSubtype</td><td>@type = 'ROADWAY_DAMAGE'</td><td></td></tr><tr><td>roadwayTrafficRoadwayObstructionSubtype</td><td>@type = 'ROADWAY_OBSTRUCTION'</td><td></td></tr><tr><td>xs:anyAtomicType [Default Type]</td><td></td><td></td></tr></tbody></table> | Type | Test | XPath default namespace | roadwayTrafficFireSubtype | @type = 'FIRE' | | roadwayTrafficRoadwayDamageSubtype | @type = 'ROADWAY_DAMAGE' | | roadwayTrafficRoadwayObstructionSubtype | @type = 'ROADWAY_OBSTRUCTION' | | xs:anyAtomicType [Default Type] | | | | |
| Type | Test | XPath default namespace | | | | | | | | | | | | | | | | |
| roadwayTrafficFireSubtype | @type = 'FIRE' | | | | | | | | | | | | | | | | | |
| roadwayTrafficRoadwayDamageSubtype | @type = 'ROADWAY_DAMAGE' | | | | | | | | | | | | | | | | | |
| roadwayTrafficRoadwayObstructionSubtype | @type = 'ROADWAY_OBSTRUCTION' | | | | | | | | | | | | | | | | | |
| xs:anyAtomicType [Default Type] | | | | | | | | | | | | | | | | | | |
| Source | <pre><xs:element name="Subtype" type="xs:string"> <xs:annotation> <xs:documentation>The ascribed sub-type of the ROADWAY/TRAFFIC Unplanned Event.</ </xs:annotation> <xs:documentation> </xs:documentation> <xs:alternative test="@type = 'FIRE'" type="roadwayTrafficFireSubtype"/> <xs:alternative test="@type = 'ROADWAY_DAMAGE'" type="roadwayTrafficRoadwayDamageSubtype"/> <xs:alternative test="@type = 'ROADWAY_OBSTRUCTION'" type="roadwayTrafficRoadwayObstructionSubtype"/> </xs:element></pre> | | | | | | | | | | | | | | | | | |

Element roadwayTrafficSpecifics / Characteristics

| | |
|-------------|--|
| Annotations | The specific characteristics of a ROADWAY/TRAFFIC Unplanned Event. |
|-------------|--|

| | |
|------------|--|
| Diagram | |
| Type | roadwayTrafficCharacteristics |
| Properties | content: complex minOccurs: 0 |
| Model | HasSpeedRestriction , IsWithinWorkZone , IsBoreClosureRequired |
| Children | HasSpeedRestriction, IsBoreClosureRequired, IsWithinWorkZone |
| Instance | <pre> <Characteristics> <HasSpeedRestriction>{1,1}</HasSpeedRestriction> <IsWithinWorkZone>{1,1}</IsWithinWorkZone> <IsBoreClosureRequired>{1,1}</IsBoreClosureRequired> </Characteristics> </pre> |
| Source | <pre> <xs:element name="Characteristics" type="roadwayTrafficCharacteristics" minOccurs="0"> <xs:annotation> <xs:documentation>The specific characteristics of a ROADWAY/TRAFFIC Unplanned Event.</xs:documentation> </xs:annotation> </xs:element> </pre> |

Element actsOfNatureSpecifics / Characteristics

| | |
|-------------|--|
| Annotations | The specific characteristics of an ACTS_OF_NATURE Unplanned Event. |
| Diagram | |

| | |
|------------|---|
| Type | advisoryWatchWarningCharacteristics |
| Properties | <div>content: complex</div> <div>minOccurs: 0</div> |
| Model | ID , Category , EventType , Location+ , StartDateTime , EndDateTime |
| Children | Category, EndDateTime, EventType, ID, Location, StartDateTime |
| Instance | <pre><Characteristics> <ID>{1,1}</ID> <Category>{1,1}</Category> <EventType>{1,1}</EventType> <Location>{1,unbounded}</Location> <StartDateTime>{1,1}</StartDateTime> <EndDateTime>{1,1}</EndDateTime> </Characteristics></pre> |
| Source | <pre><xs:element name="Characteristics" type="advisoryWatchWarningCharacteristics" minOccurs="0"> <xs:annotation> <xs:documentation>The specific characteristics of an ACTS_OF_NATURE Unplanned Event.</xs:documentation> </xs:annotation> </xs:element></pre> |

Element unplannedEvent / CategorySpecific

| Annotations | Details specific to the category of the Unplanned Event. | | | | | | | | | | | |
|-------------------------|---|-------------------------|------|-------------------------|-------------------------|-------------------------------|--|-----------------------|------------------------------|--|--|--|
| Diagram | | | | | | | | | | | | |
| Type Alternatives | <table><thead><tr><th>Type</th><th>Test</th><th>XPath default namespace</th></tr></thead><tbody><tr><td>roadwayTrafficSpecifics</td><td>@category = 'ROADWAY/TRAFFIC'</td><td></td></tr><tr><td>actsOfNatureSpecifics</td><td>@category = 'ACTS_OF_NATURE'</td><td></td></tr></tbody></table> | Type | Test | XPath default namespace | roadwayTrafficSpecifics | @category = 'ROADWAY/TRAFFIC' | | actsOfNatureSpecifics | @category = 'ACTS_OF_NATURE' | | | |
| Type | Test | XPath default namespace | | | | | | | | | | |
| roadwayTrafficSpecifics | @category = 'ROADWAY/TRAFFIC' | | | | | | | | | | | |
| actsOfNatureSpecifics | @category = 'ACTS_OF_NATURE' | | | | | | | | | | | |
| Source | <pre><xs:element name="CategorySpecific"> <xs:annotation> <xs:documentation>Details specific to the category of the Unplanned Event.</xs:documentation> </xs:annotation> <xs:alternative test="@category = 'ROADWAY/TRAFFIC'" type="roadwayTrafficSpecifics"/> <xs:alternative test="@category = 'ACTS_OF_NATURE'" type="actsOfNatureSpecifics"/> </xs:element></pre> | | | | | | | | | | | |

Element EventsFeed

| | | | |
|-------------|--|--|--|
| Annotations | Root element for the feed. | | |
| Diagram | | | |
| Properties | content: complex | | |
| Model | UpdateTimestamp , Events | | |
| Children | Events, UpdateTimestamp | | |
| Instance | <pre><EventsFeed> <UpdateTimestamp>{1,1}</UpdateTimestamp></pre> | | |

| | |
|--------|---|
| | <pre> <Events>{1,1}</Events> </EventsFeed> </pre> |
| Source | <pre> <xs:element name="EventsFeed"> <xs:annotation> <xs:documentation>Root element for the feed.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="UpdateTimestamp" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date/Time when this instance of the feed was published.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="Events"> <xs:annotation> <xs:documentation>Includes all published planned/unplanned events.</xs:documentation> </xs:annotation> <xs:complexType> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element name="PlannedEvent" type="plannedEvent"> <xs:annotation> <xs:documentation>A planned event that affects the roadway - e.g. planned construction work.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="UnplannedEvent" type="unplannedEvent"> <xs:annotation> <xs:documentation>An unplanned event that is affecting the roadway - e.g. a crash.</xs:documentation> </xs:annotation> </xs:element> </xs:choice> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre> |

Element EventsFeed / UpdateTimestamp

| | |
|-------------|---|
| Annotations | Date/Time when this instance of the feed was published. |
| Diagram | |
| Type | xs:dateTime |
| Properties | content: simple |
| Source | <pre> <xs:element name="UpdateTimestamp" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date/Time when this instance of the feed was published.</xs:documentation> </xs:annotation> </xs:element> </pre> |

Element EventsFeed / Events

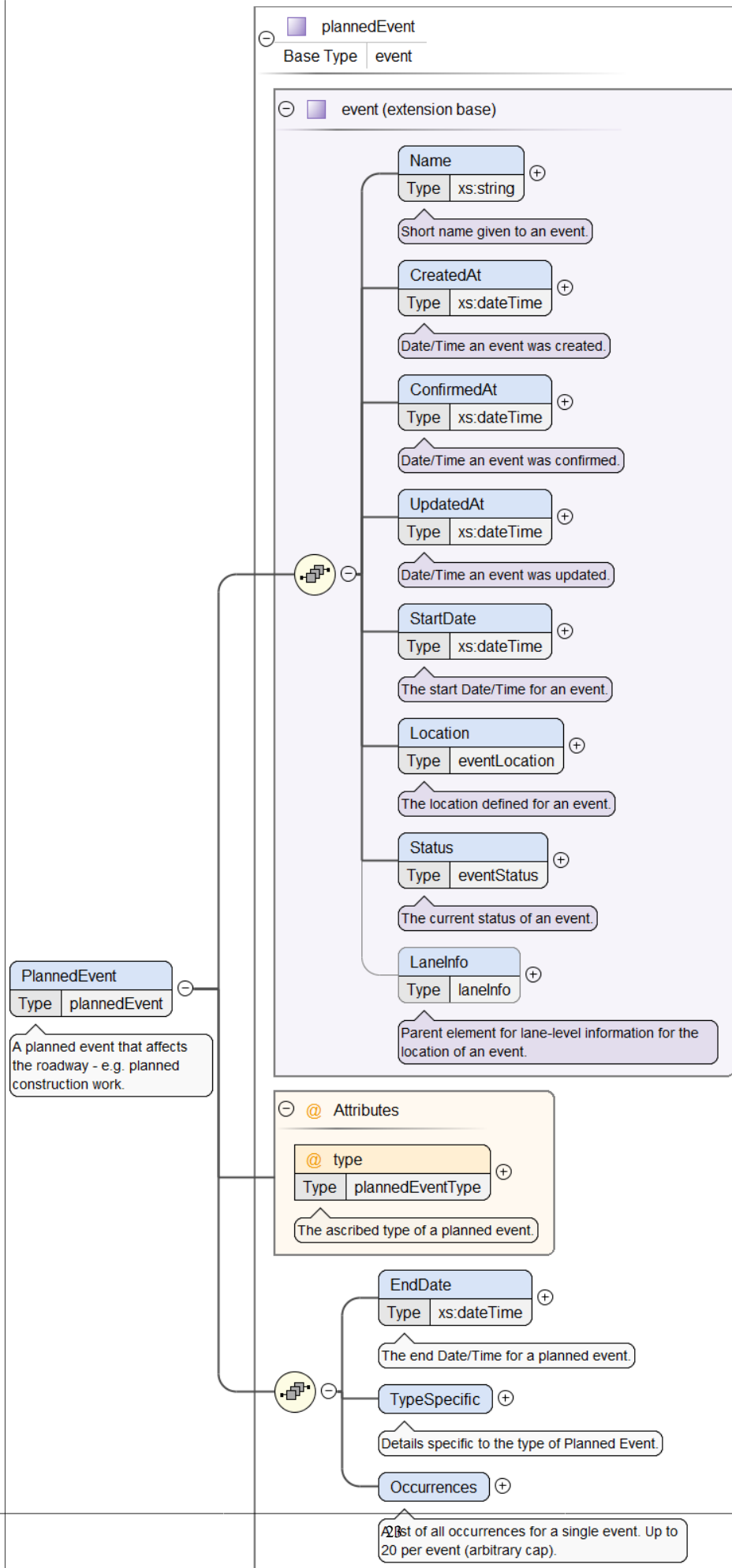
| | |
|-------------|--|
| Annotations | Includes all published planned/unplanned events. |
| Diagram | |

| | |
|------------|---|
| Properties | content: complex |
| Model | PlannedEvent UnplannedEvent |
| Children | PlannedEvent, UnplannedEvent |
| Instance | <pre> <Events> <PlannedEvent type="">{1,1}</PlannedEvent> <UnplannedEvent category="">{1,1}</UnplannedEvent> </Events> </pre> |
| Source | <pre> <xs:element name="Events"> <xs:annotation> <xs:documentation>Includes all published planned/unplanned events.</xs:documentation> </xs:annotation> <xs:complexType> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element name="PlannedEvent" type="plannedEvent"> <xs:annotation> <xs:documentation>A planned event that affects the roadway - e.g. planned construction work.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="UnplannedEvent" type="unplannedEvent"> <xs:annotation> <xs:documentation>An unplanned event that is affecting the roadway - e.g. a crash.</ xs:documentation> </xs:annotation> </xs:element> </xs:choice> </xs:complexType> </xs:element> </pre> |

Element EventsFeed / Events / PlannedEvent

| | |
|-------------|--|
| Annotations | A planned event that affects the roadway - e.g. planned construction work. |
|-------------|--|

Diagram

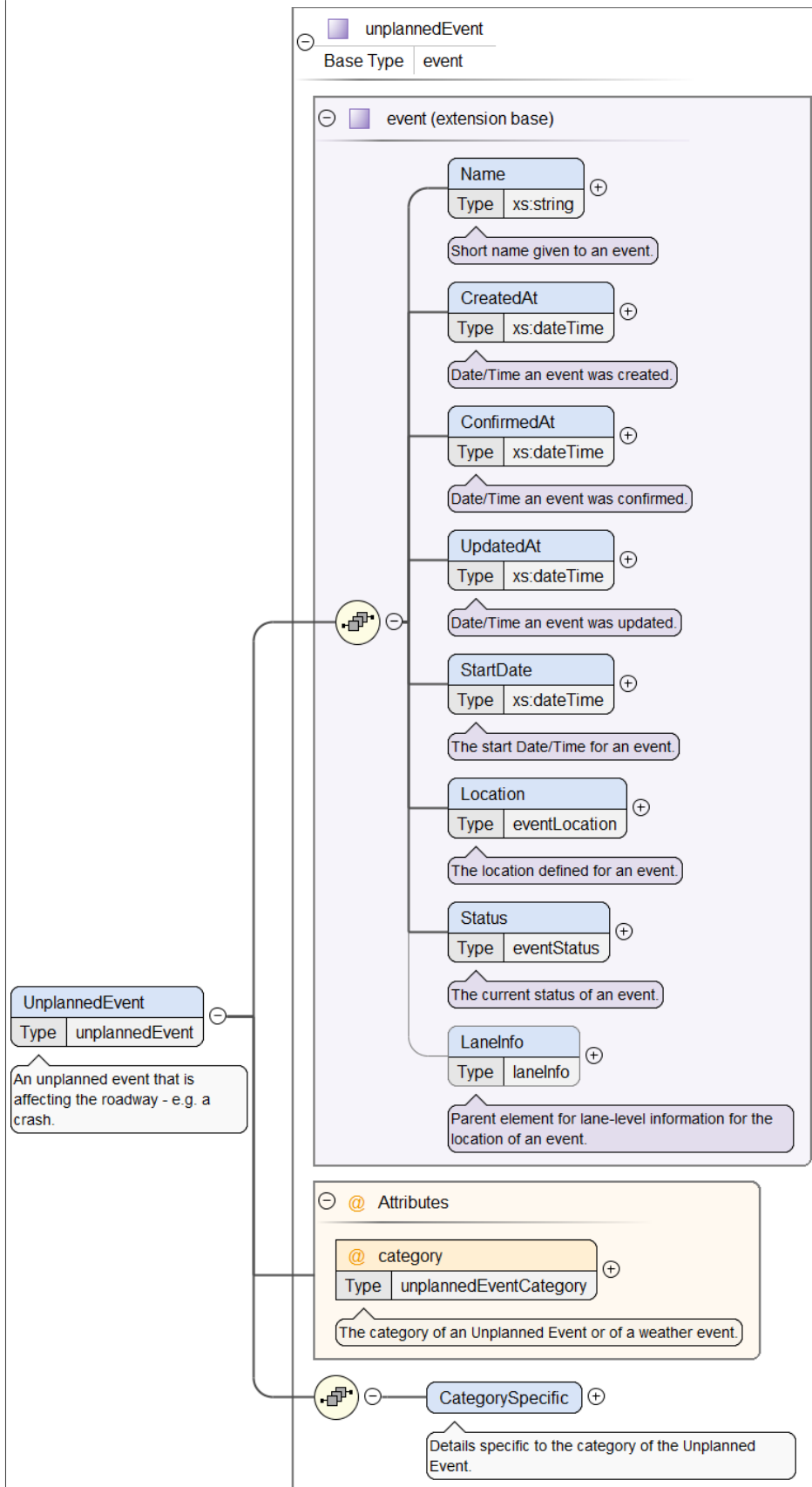


| | | | | |
|----------------|--|------------------|----------|--|
| Type | plannedEvent | | | |
| Type hierarchy | <ul style="list-style-type: none"> event <ul style="list-style-type: none"> plannedEvent | | | |
| Properties | content: complex | | | |
| Model | Name , CreatedAt , ConfirmedAt , UpdatedAt , StartDate , Location , Status , LaneInfo{0,1} , EndDate , TypeSpecific , Occurrences | | | |
| Children | ConfirmedAt, CreatedAt, EndDate, LaneInfo, Location, Name, Occurrences, StartDate, Status, TypeSpecific, UpdatedAt | | | |
| Instance | <pre> <PlannedEvent type=""> <Name>{1,1}</Name> <CreatedAt>{1,1}</CreatedAt> <ConfirmedAt>{1,1}</ConfirmedAt> <UpdatedAt>{1,1}</UpdatedAt> <StartDate>{1,1}</StartDate> <Location>{1,1}</Location> <Status>{1,1}</Status> <LaneInfo>{0,1}</LaneInfo> <EndDate>{1,1}</EndDate> <TypeSpecific>{1,1}</TypeSpecific> <Occurrences>{1,1}</Occurrences> </PlannedEvent> </pre> | | | |
| Attributes | QName | Type | Use | |
| | type | plannedEventType | required | |
| | The ascribed type of a planned event. | | | |
| Source | <pre> <xs:element name="PlannedEvent" type="plannedEvent"> <xs:annotation> <xs:documentation>A planned event that affects the roadway - e.g. planned construction work.</xs:documentation> </xs:annotation> </xs:element> </pre> | | | |

Element EventsFeed / Events / UnplannedEvent

| | |
|-------------|--|
| Annotations | An unplanned event that is affecting the roadway - e.g. a crash. |
|-------------|--|

Diagram



Type: `unplannedEvent`

Type hierarchy:

- `event`
- `unplannedEvent`

| | | | | |
|------------|--|------------------------|----------|--|
| Properties | content: complex | | | |
| Model | Name , CreatedAt , ConfirmedAt , UpdatedAt , StartDate , Location , Status , LaneInfo{0,1} , CategorySpecific | | | |
| Children | CategorySpecific, ConfirmedAt, CreatedAt, LaneInfo, Location, Name, StartDate, Status, UpdatedAt | | | |
| Instance | <pre><UnplannedEvent category=""> <Name>{1,1}</Name> <CreatedAt>{1,1}</CreatedAt> <ConfirmedAt>{1,1}</ConfirmedAt> <UpdatedAt>{1,1}</UpdatedAt> <StartDate>{1,1}</StartDate> <Location>{1,1}</Location> <Status>{1,1}</Status> <LaneInfo>{0,1}</LaneInfo> <CategorySpecific>{1,1}</CategorySpecific> </UnplannedEvent></pre> | | | |
| Attributes | QName | Type | Use | |
| | category | unplannedEventCategory | required | |
| | The category of an Unplanned Event or of a weather event. | | | |
| Source | <pre><xs:element name="UnplannedEvent" type="unplannedEvent"> <xs:annotation> <xs:documentation>An unplanned event that is affecting the roadway - e.g. a crash.</ </xs:annotation> <xs:documentation> </xs:documentation> </xs:element></pre> | | | |

Simple Type(s)

Simple Type eventStatus

| | |
|-------------|--|
| Annotations | <p>ACTIVE: The event is currently active.</p> <p>FUTURE: The event is scheduled to occur in the future.</p> <p>TERMINATED: The event has been terminated.</p> |
| Diagram | |
| Type | restriction of xs:string |
| Facets | enumeration ACTIVE |
| | enumeration FUTURE |
| | enumeration TERMINATED |
| Used by | Element event/Status |
| Source | <pre><xs:simpleType name="eventStatus"> <xs:annotation> <xs:documentation>ACTIVE: The event is currently active. FUTURE: The event is scheduled to occur in the future. TERMINATED: The event has been terminated.</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="ACTIVE"/> <xs:enumeration value="FUTURE"/> <xs:enumeration value="TERMINATED"/> </xs:restriction> </xs:simpleType></pre> |

Simple Type areaEvent

| | |
|-------------|--|
| Annotations | <p>Subdistricts defined at: https://geo-massdot.opendata.arcgis.com/datasets/2bd2e8188d2941c692ca0b882cbd9aea_0</p> <p>Districts defined at: https://geo-massdot.opendata.arcgis.com/datasets/3399393a72f3424082dc5974f001cad8_0</p> |
|-------------|--|

| | | | | | | | | | | | |
|-------------|--|-------------|------|-------------|--------|-------------|-------------|-------------|----------|-------------|-----------|
| Diagram | | | | | | | | | | | |
| Type | restriction of xs:string | | | | | | | | | | |
| Facets | <table> <tr><td>enumeration</td><td>TOWN</td></tr> <tr><td>enumeration</td><td>COUNTY</td></tr> <tr><td>enumeration</td><td>SUBDISTRICT</td></tr> <tr><td>enumeration</td><td>DISTRICT</td></tr> <tr><td>enumeration</td><td>STATEWIDE</td></tr> </table> | enumeration | TOWN | enumeration | COUNTY | enumeration | SUBDISTRICT | enumeration | DISTRICT | enumeration | STATEWIDE |
| enumeration | TOWN | | | | | | | | | | |
| enumeration | COUNTY | | | | | | | | | | |
| enumeration | SUBDISTRICT | | | | | | | | | | |
| enumeration | DISTRICT | | | | | | | | | | |
| enumeration | STATEWIDE | | | | | | | | | | |
| Used by | Element eventLocation/Area/AreaType | | | | | | | | | | |
| Source | <pre> <xs:simpleType name="areaEventType"> <xs:annotation> <xs:documentation>Subdistricts defined at: https://geo-massdot.opendata.arcgis.com/datasets/2bd2e8188d2941c692ca0b882cbd9aea_0 Districts defined at: https://geo-massdot.opendata.arcgis.com/datasets/3399393a72f3424082dc5974f001cad8_0</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="TOWN"/> <xs:enumeration value="COUNTY"/> <xs:enumeration value="SUBDISTRICT"/> <xs:enumeration value="DISTRICT"/> <xs:enumeration value="STATEWIDE"/> </xs:restriction> </xs:simpleType> </pre> | | | | | | | | | | |

Simple Type plannedEventType

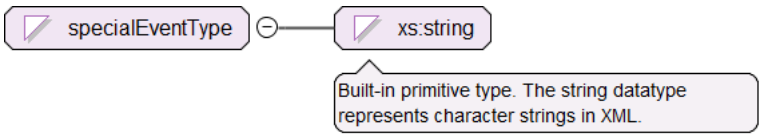
| | | | | | |
|-------------|--|-------------|--------------------------|-------------|---------------|
| Diagram | | | | | |
| Type | restriction of xs:string | | | | |
| Facets | <table> <tr><td>enumeration</td><td>CONSTRUCTION/MAINTENANCE</td></tr> <tr><td>enumeration</td><td>SPECIAL_EVENT</td></tr> </table> | enumeration | CONSTRUCTION/MAINTENANCE | enumeration | SPECIAL_EVENT |
| enumeration | CONSTRUCTION/MAINTENANCE | | | | |
| enumeration | SPECIAL_EVENT | | | | |
| Used by | Attribute plannedEvent/@type | | | | |
| Source | <pre> <xs:simpleType name="plannedEventType"> <xs:restriction base="xs:string"> <xs:enumeration value="CONSTRUCTION/MAINTENANCE"/> <xs:enumeration value="SPECIAL_EVENT"/> </xs:restriction> </xs:simpleType> </pre> | | | | |

Simple Type constructionMaintenanceType

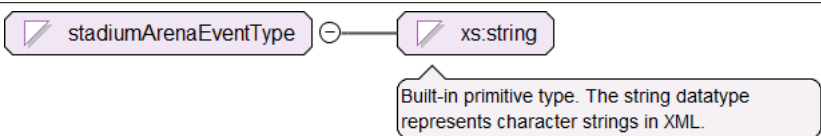
| | | | | | | | | | | | |
|-------------|--|-------------|------------------|-------------|-----------------|-------------|-----------------|-------------|-------------------|-------------|------------------|
| Diagram | | | | | | | | | | | |
| Type | restriction of xs:string | | | | | | | | | | |
| Facets | <table> <tr><td>enumeration</td><td>ROADWAY_ACTIVITY</td></tr> <tr><td>enumeration</td><td>BRIDGE_ACTIVITY</td></tr> <tr><td>enumeration</td><td>TUNNEL_ACTIVITY</td></tr> <tr><td>enumeration</td><td>FACILITY_ACTIVITY</td></tr> <tr><td>enumeration</td><td>UTILITY_ACTIVITY</td></tr> </table> | enumeration | ROADWAY_ACTIVITY | enumeration | BRIDGE_ACTIVITY | enumeration | TUNNEL_ACTIVITY | enumeration | FACILITY_ACTIVITY | enumeration | UTILITY_ACTIVITY |
| enumeration | ROADWAY_ACTIVITY | | | | | | | | | | |
| enumeration | BRIDGE_ACTIVITY | | | | | | | | | | |
| enumeration | TUNNEL_ACTIVITY | | | | | | | | | | |
| enumeration | FACILITY_ACTIVITY | | | | | | | | | | |
| enumeration | UTILITY_ACTIVITY | | | | | | | | | | |

| | |
|---------|---|
| Used by | Attribute constructionMaintenanceSpecifics/@subtype |
| Source | <pre> <xs:simpleType name="constructionMaintenanceType"> <xs:restriction base="xs:string"> <xs:enumeration value="ROADWAY_ACTIVITY" /> <xs:enumeration value="BRIDGE_ACTIVITY" /> <xs:enumeration value="TUNNEL_ACTIVITY" /> <xs:enumeration value="FACILITY_ACTIVITY" /> <xs:enumeration value="UTILITY_ACTIVITY" /> </xs:restriction> </xs:simpleType> </pre> |

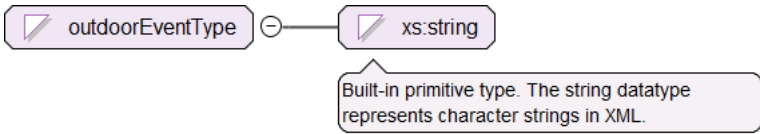
Simple Type specialEventType

| | | | | | | | | | | | | | | | |
|-------------|---|-------------|---------------------|-------------|---------------|-------------|-----------|-------------|----------------|-------------|--------------------|-------------|----------------|-------------|-------|
| Diagram |  | | | | | | | | | | | | | | |
| Type | restriction of xs:string | | | | | | | | | | | | | | |
| Facets | <table> <tr><td>enumeration</td><td>STADIUM/ARENA_EVENT</td></tr> <tr><td>enumeration</td><td>OUTDOOR_EVENT</td></tr> <tr><td>enumeration</td><td>VIP_VISIT</td></tr> <tr><td>enumeration</td><td>ATHLETIC_EVENT</td></tr> <tr><td>enumeration</td><td>FUNERAL_PROCESSION</td></tr> <tr><td>enumeration</td><td>TRAINING/DRILL</td></tr> <tr><td>enumeration</td><td>OTHER</td></tr> </table> | enumeration | STADIUM/ARENA_EVENT | enumeration | OUTDOOR_EVENT | enumeration | VIP_VISIT | enumeration | ATHLETIC_EVENT | enumeration | FUNERAL_PROCESSION | enumeration | TRAINING/DRILL | enumeration | OTHER |
| enumeration | STADIUM/ARENA_EVENT | | | | | | | | | | | | | | |
| enumeration | OUTDOOR_EVENT | | | | | | | | | | | | | | |
| enumeration | VIP_VISIT | | | | | | | | | | | | | | |
| enumeration | ATHLETIC_EVENT | | | | | | | | | | | | | | |
| enumeration | FUNERAL_PROCESSION | | | | | | | | | | | | | | |
| enumeration | TRAINING/DRILL | | | | | | | | | | | | | | |
| enumeration | OTHER | | | | | | | | | | | | | | |
| Used by | Attribute specialEventSpecifics/@subtype | | | | | | | | | | | | | | |
| Source | <pre> <xs:simpleType name="specialEventType"> <xs:restriction base="xs:string"> <xs:enumeration value="STADIUM/ARENA_EVENT" /> <xs:enumeration value="OUTDOOR_EVENT" /> <xs:enumeration value="VIP_VISIT" /> <xs:enumeration value="ATHLETIC_EVENT" /> <xs:enumeration value="FUNERAL_PROCESSION" /> <xs:enumeration value="TRAINING/DRILL" /> <xs:enumeration value="OTHER" /> </xs:restriction> </xs:simpleType> </pre> | | | | | | | | | | | | | | |

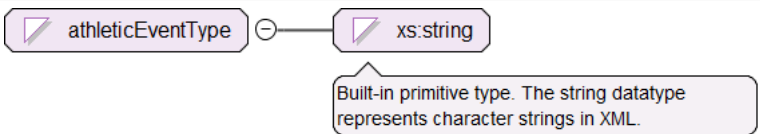
Simple Type stadiumArenaEventType

| | | | | | | | | | |
|-------------|---|-------------|----------------|-------------|------------------------|-------------|------------|-------------|-------|
| Diagram |  | | | | | | | | |
| Type | restriction of xs:string | | | | | | | | |
| Facets | <table> <tr><td>enumeration</td><td>PAVILION_EVENT</td></tr> <tr><td>enumeration</td><td>GILLETTE_STADIUM_EVENT</td></tr> <tr><td>enumeration</td><td>BCEC_EVENT</td></tr> <tr><td>enumeration</td><td>OTHER</td></tr> </table> | enumeration | PAVILION_EVENT | enumeration | GILLETTE_STADIUM_EVENT | enumeration | BCEC_EVENT | enumeration | OTHER |
| enumeration | PAVILION_EVENT | | | | | | | | |
| enumeration | GILLETTE_STADIUM_EVENT | | | | | | | | |
| enumeration | BCEC_EVENT | | | | | | | | |
| enumeration | OTHER | | | | | | | | |
| Source | <pre> <xs:simpleType name="stadiumArenaEventType"> <xs:restriction base="xs:string"> <xs:enumeration value="PAVILION_EVENT" /> <xs:enumeration value="GILLETTE_STADIUM_EVENT" /> <xs:enumeration value="BCEC_EVENT" /> <xs:enumeration value="OTHER" /> </xs:restriction> </xs:simpleType> </pre> | | | | | | | | |

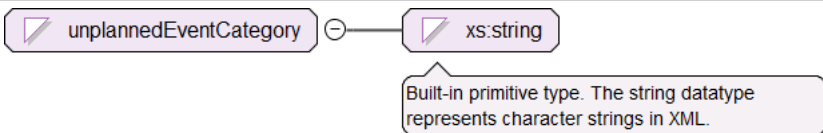
Simple Type outdoorEventType

| | | | | | | | | | |
|-------------|---|-------------|---------|-------------|-------------------|-------------|---------------|-------------|-----------------------|
| Diagram |  | | | | | | | | |
| Type | restriction of xs:string | | | | | | | | |
| Facets | <table border="1"> <tr> <td>enumeration</td><td>AIRSHOW</td></tr> <tr> <td>enumeration</td><td>FIREWORKS_DISPLAY</td></tr> <tr> <td>enumeration</td><td>MOVIE_FILMING</td></tr> <tr> <td>enumeration</td><td>GENERAL_OUTDOOR_EVENT</td></tr> </table> | enumeration | AIRSHOW | enumeration | FIREWORKS_DISPLAY | enumeration | MOVIE_FILMING | enumeration | GENERAL_OUTDOOR_EVENT |
| enumeration | AIRSHOW | | | | | | | | |
| enumeration | FIREWORKS_DISPLAY | | | | | | | | |
| enumeration | MOVIE_FILMING | | | | | | | | |
| enumeration | GENERAL_OUTDOOR_EVENT | | | | | | | | |
| Source | <pre><xs:simpleType name="outdoorEventType"> <xs:restriction base="xs:string"> <xs:enumeration value="AIRSHOW" /> <xs:enumeration value="FIREWORKS_DISPLAY" /> <xs:enumeration value="MOVIE_FILMING" /> <xs:enumeration value="GENERAL_OUTDOOR_EVENT" /> </xs:restriction> </xs:simpleType></pre> | | | | | | | | |

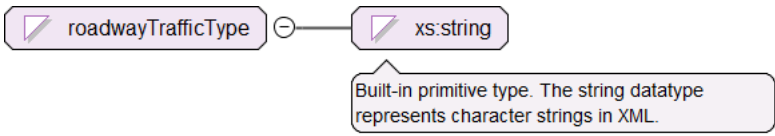
Simple Type athleticEventType

| | | | | | | | | | |
|-------------|--|-------------|----------|-------------|-----------|-------------|-----------|-------------|--------------|
| Diagram |  | | | | | | | | |
| Type | restriction of xs:string | | | | | | | | |
| Facets | <table border="1"> <tr> <td>enumeration</td><td>MARATHON</td></tr> <tr> <td>enumeration</td><td>ROAD_RACE</td></tr> <tr> <td>enumeration</td><td>BIKE_RACE</td></tr> <tr> <td>enumeration</td><td>CHARITY_WALK</td></tr> </table> | enumeration | MARATHON | enumeration | ROAD_RACE | enumeration | BIKE_RACE | enumeration | CHARITY_WALK |
| enumeration | MARATHON | | | | | | | | |
| enumeration | ROAD_RACE | | | | | | | | |
| enumeration | BIKE_RACE | | | | | | | | |
| enumeration | CHARITY_WALK | | | | | | | | |
| Source | <pre><xs:simpleType name="athleticEventType"> <xs:restriction base="xs:string"> <xs:enumeration value="MARATHON" /> <xs:enumeration value="ROAD_RACE" /> <xs:enumeration value="BIKE_RACE" /> <xs:enumeration value="CHARITY_WALK" /> </xs:restriction> </xs:simpleType></pre> | | | | | | | | |

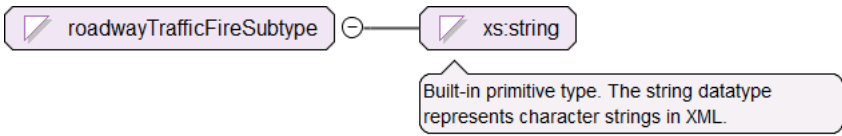
Simple Type unplannedEventCategory

| | | | | | |
|-------------|--|-------------|-----------------|-------------|----------------|
| Diagram |  | | | | |
| Type | restriction of xs:string | | | | |
| Facets | <table border="1"> <tr> <td>enumeration</td><td>ROADWAY/TRAFFIC</td></tr> <tr> <td>enumeration</td><td>ACTS_OF_NATURE</td></tr> </table> | enumeration | ROADWAY/TRAFFIC | enumeration | ACTS_OF_NATURE |
| enumeration | ROADWAY/TRAFFIC | | | | |
| enumeration | ACTS_OF_NATURE | | | | |
| Used by | Attribute unplannedEvent/@category | | | | |
| Source | <pre><xs:simpleType name="unplannedEventCategory"> <xs:restriction base="xs:string"> <xs:enumeration value="ROADWAY/TRAFFIC" /> <xs:enumeration value="ACTS_OF_NATURE" /> </xs:restriction> </xs:simpleType></pre> | | | | |

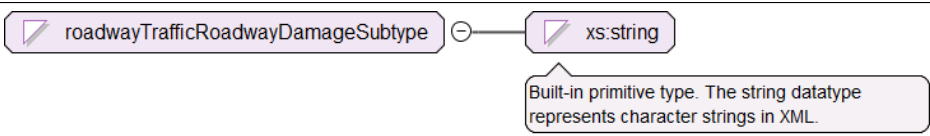
Simple Type roadwayTrafficType

| | | | | | | | | | | | | | | | |
|-------------|---|-------------|-------|-------------|------------------------|-------------|------|-------------|----------------|-------------|---------------------|-------------|------------|-------------|-------------------------|
| Diagram |  | | | | | | | | | | | | | | |
| Type | restriction of xs:string | | | | | | | | | | | | | | |
| Facets | <table border="1"> <tr><td>enumeration</td><td>CRASH</td></tr> <tr><td>enumeration</td><td>DISABLED_MOTOR_VEHICLE</td></tr> <tr><td>enumeration</td><td>FIRE</td></tr> <tr><td>enumeration</td><td>ROADWAY_DAMAGE</td></tr> <tr><td>enumeration</td><td>ROADWAY_OBSTRUCTION</td></tr> <tr><td>enumeration</td><td>CONGESTION</td></tr> <tr><td>enumeration</td><td>GENERAL_ROADWAY/TRAFFIC</td></tr> </table> | enumeration | CRASH | enumeration | DISABLED_MOTOR_VEHICLE | enumeration | FIRE | enumeration | ROADWAY_DAMAGE | enumeration | ROADWAY_OBSTRUCTION | enumeration | CONGESTION | enumeration | GENERAL_ROADWAY/TRAFFIC |
| enumeration | CRASH | | | | | | | | | | | | | | |
| enumeration | DISABLED_MOTOR_VEHICLE | | | | | | | | | | | | | | |
| enumeration | FIRE | | | | | | | | | | | | | | |
| enumeration | ROADWAY_DAMAGE | | | | | | | | | | | | | | |
| enumeration | ROADWAY_OBSTRUCTION | | | | | | | | | | | | | | |
| enumeration | CONGESTION | | | | | | | | | | | | | | |
| enumeration | GENERAL_ROADWAY/TRAFFIC | | | | | | | | | | | | | | |
| Used by | Attribute roadwayTrafficSpecifics/@type | | | | | | | | | | | | | | |
| Source | <pre> <xs:simpleType name="roadwayTrafficType"> <xs:restriction base="xs:string"> <xs:enumeration value="CRASH"/> <xs:enumeration value="DISABLED_MOTOR_VEHICLE"/> <xs:enumeration value="FIRE"/> <xs:enumeration value="ROADWAY_DAMAGE"/> <xs:enumeration value="ROADWAY_OBSTRUCTION"/> <xs:enumeration value="CONGESTION"/> <xs:enumeration value="GENERAL_ROADWAY/TRAFFIC"/> </xs:restriction> </xs:simpleType> </pre> | | | | | | | | | | | | | | |

Simple Type roadwayTrafficFireSubtype

| | | | | | | | |
|-------------|---|-------------|--------------|-------------|--------------------------------------|-------------|-------------------|
| Diagram |  | | | | | | |
| Type | restriction of xs:string | | | | | | |
| Facets | <table border="1"> <tr><td>enumeration</td><td>VEHICLE_FIRE</td></tr> <tr><td>enumeration</td><td>FACILITY_FIRE_AFFEC- TING_ROADWAY</td></tr> <tr><td>enumeration</td><td>BRUSH/FOREST_FIRE</td></tr> </table> | enumeration | VEHICLE_FIRE | enumeration | FACILITY_FIRE_AFFEC- TING_ROADWAY | enumeration | BRUSH/FOREST_FIRE |
| enumeration | VEHICLE_FIRE | | | | | | |
| enumeration | FACILITY_FIRE_AFFEC- TING_ROADWAY | | | | | | |
| enumeration | BRUSH/FOREST_FIRE | | | | | | |
| Source | <pre> <xs:simpleType name="roadwayTrafficFireSubtype"> <xs:restriction base="xs:string"> <xs:enumeration value="VEHICLE_FIRE"/> <xs:enumeration value="FACILITY_FIRE_AFFECTING_ROADWAY"/> <xs:enumeration value="BRUSH/FOREST_FIRE"/> </xs:restriction> </xs:simpleType> </pre> | | | | | | |

Simple Type roadwayTrafficRoadwayDamageSubtype

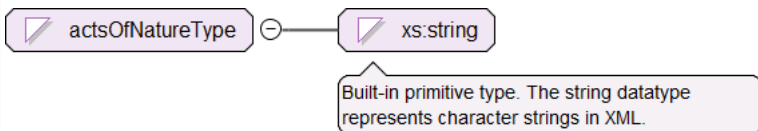
| | | | | | | | |
|-------------|--|-------------|--------------|-------------|-----------------------|-------------|---------|
| Diagram |  | | | | | | |
| Type | restriction of xs:string | | | | | | |
| Facets | <table border="1"> <tr><td>enumeration</td><td>STORM_DAMAGE</td></tr> <tr><td>enumeration</td><td>ROAD_SURFACE_COLLAPSE</td></tr> <tr><td>enumeration</td><td>POTHOLE</td></tr> </table> | enumeration | STORM_DAMAGE | enumeration | ROAD_SURFACE_COLLAPSE | enumeration | POTHOLE |
| enumeration | STORM_DAMAGE | | | | | | |
| enumeration | ROAD_SURFACE_COLLAPSE | | | | | | |
| enumeration | POTHOLE | | | | | | |

| | | |
|--------|---|--------------|
| | enumeration | WATER_DAMAGE |
| | enumeration | SEWER_DAMAGE |
| | enumeration | GAS_LEAK |
| Source | <pre><xs:simpleType name="roadwayTrafficRoadwayDamageSubtype"> <xs:restriction base="xs:string"> <xs:enumeration value="STORM_DAMAGE" /> <xs:enumeration value="ROAD_SURFACE_COLLAPSE" /> <xs:enumeration value="POTHOLE" /> <xs:enumeration value="WATER_DAMAGE" /> <xs:enumeration value="SEWER_DAMAGE" /> <xs:enumeration value="GAS_LEAK" /> </xs:restriction> </xs:simpleType></pre> | |

Simple Type roadwayTrafficRoadwayObstructionSubtype

| | | | | | | | | | | | | | | | | |
|-------------|---|--|-------------|--------------|-------------|-------------|-------------|---------------------|-------------|-------------------|-------------|---------------|-------------|--------------------------|-------------|----------------------------|
| Diagram | <div><div>roadwayTrafficRoadwayObstructionSubtype</div><div>xs:string</div><div>Built-in primitive type. The string datatype represents character strings in XML.</div></div> | | | | | | | | | | | | | | | |
| Type | restriction of xs:string | | | | | | | | | | | | | | | |
| Facets | <table><tr><td>enumeration</td><td>FALLEN_TREES</td></tr><tr><td>enumeration</td><td>DOWNED_SIGN</td></tr><tr><td>enumeration</td><td>DOWNED_UTILITY_POLE</td></tr><tr><td>enumeration</td><td>DOWNED_POWER_LINE</td></tr><tr><td>enumeration</td><td>DOWNED_CABLES</td></tr><tr><td>enumeration</td><td>CRASH_INVESTIGATION_WORK</td></tr><tr><td>enumeration</td><td>GENERAL_OBSTRUCTION/DEBRIS</td></tr></table> | | enumeration | FALLEN_TREES | enumeration | DOWNED_SIGN | enumeration | DOWNED_UTILITY_POLE | enumeration | DOWNED_POWER_LINE | enumeration | DOWNED_CABLES | enumeration | CRASH_INVESTIGATION_WORK | enumeration | GENERAL_OBSTRUCTION/DEBRIS |
| enumeration | FALLEN_TREES | | | | | | | | | | | | | | | |
| enumeration | DOWNED_SIGN | | | | | | | | | | | | | | | |
| enumeration | DOWNED_UTILITY_POLE | | | | | | | | | | | | | | | |
| enumeration | DOWNED_POWER_LINE | | | | | | | | | | | | | | | |
| enumeration | DOWNED_CABLES | | | | | | | | | | | | | | | |
| enumeration | CRASH_INVESTIGATION_WORK | | | | | | | | | | | | | | | |
| enumeration | GENERAL_OBSTRUCTION/DEBRIS | | | | | | | | | | | | | | | |
| Source | <pre><xs:simpleType name="roadwayTrafficRoadwayObstructionSubtype"> <xs:restriction base="xs:string"> <xs:enumeration value="FALLEN_TREES"/> <xs:enumeration value="DOWNED_SIGN"/> <xs:enumeration value="DOWNED_UTILITY_POLE"/> <xs:enumeration value="DOWNED_POWER_LINE"/> <xs:enumeration value="DOWNED_CABLES"/> <xs:enumeration value="CRASH_INVESTIGATION_WORK"/> <xs:enumeration value="GENERAL_OBSTRUCTION/DEBRIS"/> </xs:restriction> </xs:simpleType></pre> | | | | | | | | | | | | | | | |

Simple Type actsOfNatureType

| | | | | | | |
|-------------|--|-----------------------------|-------------|---------------------|-------------|------------------------|
| Diagram |  | | | | | |
| Type | restriction of xs:string | | | | | |
| Facets | <table><tr><td>enumeration</td><td>LOCAL_WEATHER_EVENT</td></tr><tr><td>enumeration</td><td>ADVISORY/WATCH/WARNING</td></tr></table> | | enumeration | LOCAL_WEATHER_EVENT | enumeration | ADVISORY/WATCH/WARNING |
| enumeration | LOCAL_WEATHER_EVENT | | | | | |
| enumeration | ADVISORY/WATCH/WARNING | | | | | |
| Used by | Attribute | actsOfNatureSpecifics/@type | | | | |
| Source | <pre><xs:simpleType name="actsOfNatureType"> <xs:restriction base="xs:string"> <xs:enumeration value="LOCAL_WEATHER_EVENT" /> <xs:enumeration value="ADVISORY/WATCH/WARNING" /> </xs:restriction> </xs:simpleType></pre> | | | | | |

Complex Type(s)

Complex Type latlon

| | |
|----------|---|
| Diagram | |
| Used by | Element locationPoint/Coordinates |
| Model | Latitude , Longitude |
| Children | Latitude, Longitude |
| Source | <pre> <xs:complexType name="latlon"> <xs:sequence> <xs:element name="Latitude"> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:minInclusive value="-90"/> <xs:maxInclusive value="90"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Longitude"> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:minInclusive value="-180"/> <xs:maxInclusive value="180"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </pre> |

Complex Type locationPoint

| | |
|----------|--|
| Diagram | |
| Used by | Elements eventLocation/Point, eventLocation/Range/End, eventLocation/Range/Start, eventLocation/Range/Way-point |
| Model | RoadwayName , Coordinates |
| Children | Coordinates, RoadwayName |
| Source | <pre> <xs:complexType name="locationPoint"> <xs:sequence> <xs:element name="RoadwayName" type="xs:string"> <xs:annotation> <xs:documentation>Name of the roadway for the location including direction (e.g. I-93 NB).</xs:documentation> </xs:annotation> </xs:element> <xs:element name="Coordinates" type="latlon"> <xs:annotation> <xs:documentation>The coordinates of the start/end/decision point.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre> |

Complex Type eventLocation

| | |
|----------|--|
| Diagram | <pre> graph LR eventLocation[eventLocation] --- choice(()) choice --- Point[Point] choice --- Range[Range] choice --- Area[Area] Point --- locationPoint[locationPoint] Point --- docPoint["The location for a point event."] Range --- docRange["The location for a range event."] Area --- docArea["The location for an area event."] </pre> |
| Used by | Element event/Location |
| Model | Point Range Area |
| Children | Area, Point, Range |
| Source | <pre> <xs:complexType name="eventLocation"> <xs:choice> <xs:element name="Point" type="locationPoint"> <xs:annotation> <xs:documentation>The location for a point event.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="Range"> <xs:annotation> <xs:documentation>The location for a range event.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Start" type="locationPoint"> <xs:annotation> <xs:documentation>The point on the roadway that indicates the beginning of the event.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="Waypoint" type="locationPoint" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>A point on the roadway that indicates a waypoint.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="End" type="locationPoint"> <xs:annotation> <xs:documentation>The point on the roadway that indicates the end of the event.</ xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="Area"> <xs:annotation> <xs:documentation>The location for an area event.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="AreaType" type="areaEventType"> <xs:annotation> <xs:documentation>The type of area region impacted by an event.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="AreaValue" type="xs:string" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>The name/value of the specific area (type indicated by AreaType) impacted by an event.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:choice> </xs:complexType> </pre> |

Complex Type laneInfo

| | |
|----------|---|
| Diagram | <p>Direction Type: xs:string (+) The direction for each lane on the start roadway, including both direction of travel for bidirection roadways; e.g. NNN...</p> <p>LanesAffected Type: xs:string (+) Lanes affected, where open lanes will be represented by X and closed lanes by O. For example, if the rightmost two...</p> |
| Used by | Element: event/LaneInfo |
| Model | Direction, LanesAffected |
| Children | Direction, LanesAffected |
| Source | <pre> <xs:complexType name="laneInfo"> <xs:sequence> <xs:element name="Direction" type="xs:string"> <xs:annotation> <xs:documentation>The direction for each lane on the start roadway, including both direction of travel for bidirection roadways; e.g. NNN from three northbound lanes and SSSNNN for three southbound lanes and three northbound lanes. The convention is: - For northbound lanes, the first letter indicates the leftmost travel lane, which is closest to the median; - For southbound lanes, the first letter indicates the rightmost lane, which is closest to entry and exit ramps; - For eastbound lanes, the first letter indicates the leftmost travel lane, which is closest to the median; - For westbound lanes, the first letter indicates the rightmost lane, which is closest to entry and exit ramps.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="LanesAffected" type="xs:string"> <xs:annotation> <xs:documentation>Lanes affected, where open lanes will be represented by X and closed lanes by O. For example, if the rightmost two lanes are closed, then the string will be OOOOXX.</ xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre> |

Complex Type eventOccurence

| | |
|----------|--|
| Diagram | <p>StartDateTime Type: xs:dateTime (+) The start Date/Time for the occurrence.</p> <p>EndDateTime Type: xs:dateTime (+) The end Date/Time for the occurrence.</p> |
| Used by | Element: plannedEvent/Occurrences/Occurrence |
| Model | StartDateTime, EndDateTime |
| Children | EndDateTime, StartDateTime |
| Source | <pre> <xs:complexType name="eventOccurence"> <xs:sequence> <xs:element name="StartDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The start Date/Time for the occurrence.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="EndDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The end Date/Time for the occurrence.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre> |

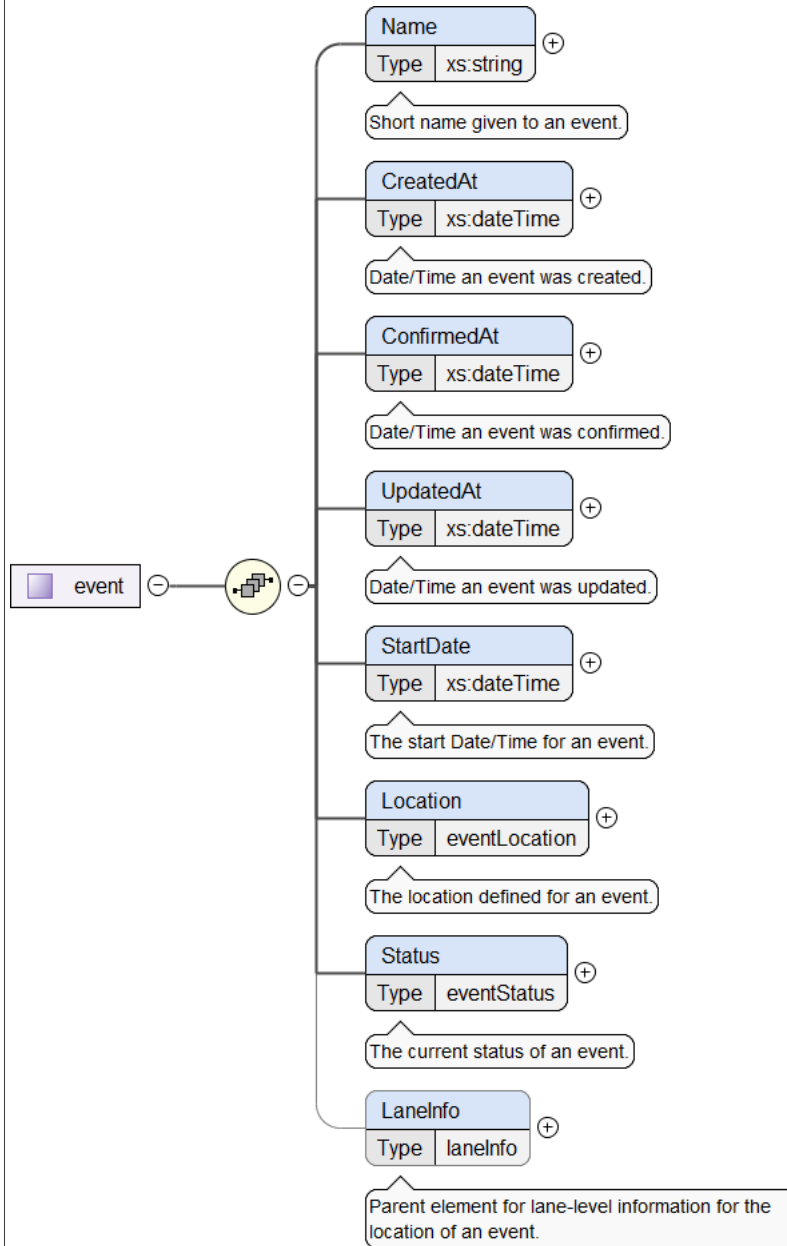
```

</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type event

Diagram



Used by Complex Types plannedEvent, unplannedEvent

Model Name , CreatedAt , ConfirmedAt , UpdatedAt , StartDate , Location , Status , LaneInfo{0,1}

Children ConfirmedAt, CreatedAt, LaneInfo, Location, Name, StartDate, Status, UpdatedAt

Source

```

<xs:complexType name="event">
  <xs:sequence>
    <xs:element name="Name" type="xs:string">
      <xs:annotation>
        <xs:documentation>Short name given to an event.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="CreatedAt" type="xs:dateTime">
      <xs:annotation>
        <xs:documentation>Date/Time an event was created.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ConfirmedAt" type="xs:dateTime">

```

```

<xs:annotation>
  <xs:documentation>Date/Time an event was confirmed.</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element name="UpdatedAt" type="xs:dateTime">
  <xs:annotation>
    <xs:documentation>Date/Time an event was updated.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="StartDate" type="xs:dateTime">
  <xs:annotation>
    <xs:documentation>The start Date/Time for an event.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Location" type="eventLocation">
  <xs:annotation>
    <xs:documentation>The location defined for an event.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="Status" type="eventStatus">
  <xs:annotation>
    <xs:documentation>The current status of an event.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="LaneInfo" type="laneInfo" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Parent element for lane-level information for the location of an event.</
xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type constructionMaintenanceSpecifics

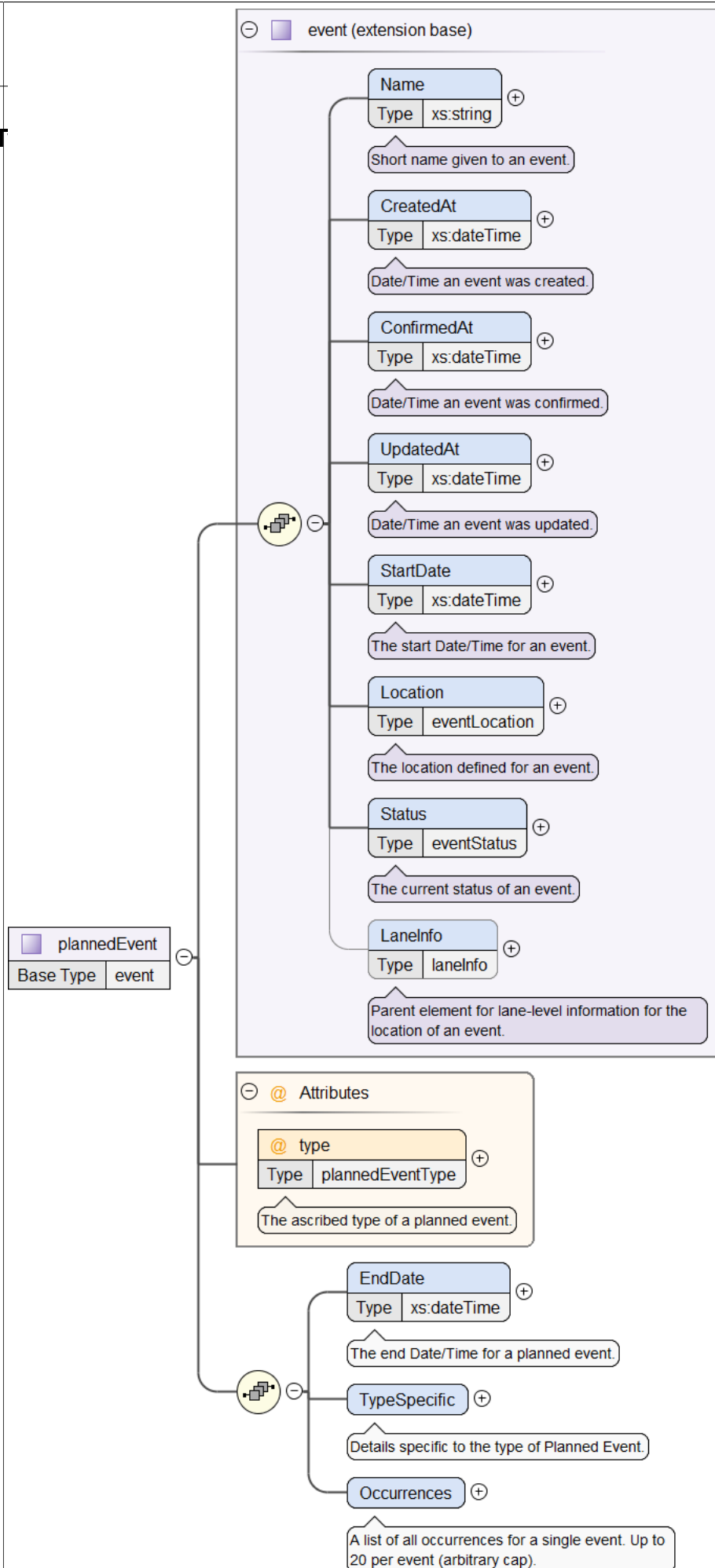
| Diagram | | | | | | | | | | | | | | | | |
|------------|--|----------|------|-----|--|---------|-----------------------------|----------|--|--|--|--|--|--|--|--|
| Attributes | <table><thead><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr></thead><tbody><tr><td>subtype</td><td>constructionMaintenanceType</td><td>required</td><td></td></tr><tr><td></td><td colspan="3">The ascribed subtype of a Planned Event.</td></tr></tbody></table> | QName | Type | Use | | subtype | constructionMaintenanceType | required | | | The ascribed subtype of a Planned Event. | | | | | |
| QName | Type | Use | | | | | | | | | | | | | | |
| subtype | constructionMaintenanceType | required | | | | | | | | | | | | | | |
| | The ascribed subtype of a Planned Event. | | | | | | | | | | | | | | | |
| Source | <pre><xs:complexType name="constructionMaintenanceSpecifics"> <xs:attribute name="subtype" type="constructionMaintenanceType" use="required"> <xs:annotation> <xs:documentation>The ascribed subtype of a Planned Event.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType></pre> | | | | | | | | | | | | | | | |

Complex Type specialEventSpecifics

| | | | | |
|---------|----------------------------------|--|--|--|
| Diagram | | | | |
| Model | SpecialEventCharacteristics{0,1} | | | |

| | | | | |
|------------|--|--|----------|--|
| Children | SpecialEventCharacteristics | | | |
| Attributes | QName | Type | Use | |
| | subtype | specialEventType | required | |
| | | The ascribed subtype of a Planned Event. | | |
| Source | <pre><xs:complexType name="specialEventSpecifics"> <xs:sequence> <xs:element name="SpecialEventCharacteristics" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>The characteristics specific to a Special Event.</xs:documentation> </xs:annotation> <xs:alternative test="@subtype = 'STADIUM/ARENA_EVENT'" type="stadiumArenaEventType"/> <xs:alternative test="@subtype = 'OUTDOOR_EVENT'" type="outdoorEventType"/> <xs:alternative test="@subtype = 'ATHLETIC_EVENT'" type="athleticEventType"/> </xs:element> </xs:sequence> <xs:attribute name="subtype" type="specialEventType" use="required"> <xs:annotation> <xs:documentation>The ascribed subtype of a Planned Event.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType></pre> | | | |

Complex T



| | | | | |
|----------------|---|------------------|----------|--|
| Type | extension of event | | | |
| Type hierarchy | <ul style="list-style-type: none"> event plannedEvent | | | |
| Used by | Element EventsFeed/Events/PlannedEvent | | | |
| Model | Name , CreatedAt , ConfirmedAt , UpdatedAt , StartDate , Location , Status , LaneInfo{0,1} , EndDate , TypeSpecific , Occurrences | | | |
| Children | ConfirmedAt, CreatedAt, EndDate, LaneInfo, Location, Name, Occurrences, StartDate, Status, TypeSpecific, UpdatedAt | | | |
| Attributes | QName | Type | Use | |
| | type | plannedEventType | required | |
| | The ascribed type of a planned event. | | | |
| Source | <pre> <xs:complexType name="plannedEvent"> <xs:complexContent> <xs:extension base="event"> <xs:sequence> <xs:element name="EndDate" type="xs:dateTime"> <xs:annotation> <xs:documentation>The end Date/Time for a planned event.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="TypeSpecific"> <xs:annotation> <xs:documentation>Details specific to the type of Planned Event.</xs:documentation> </xs:annotation> <xs:alternative test="@type = 'CONSTRUCTION/MAINTENANCE'" type="constructionMaintenanceSpecifics"/> <xs:alternative test="@type = 'SPECIAL_EVENT'" type="specialEventSpecifics"/> </xs:element> <xs:element name="Occurrences"> <xs:annotation> <xs:documentation>A list of all occurrences for a single event. Up to 20 per event (arbitrary cap).</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence maxOccurs="20"> <xs:element name="Occurrence" type="eventOccurrence"> <xs:annotation> <xs:documentation>A single occurrence of a reurring event.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> <xs:attribute name="type" type="plannedEventType" use="required"> <xs:annotation> <xs:documentation>The ascribed type of a planned event.</xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </pre> | | | |

Complex Type advisoryWatchWarningCharacteristics

| | |
|----------|--|
| Diagram | <p>The diagram illustrates the structure of the <code>advisoryWatchWarningCharacteristics</code> complex type. It is a sequence of the following elements:</p> <ul style="list-style-type: none"> ID: Type <code>xs:integer</code>. Annotation: "An identifier for the specific weather category, event, and location." Category: Type "Restriction of 'xs:string'". Annotation: "The category of the advisory/watch/warning. (either ADVISORY, WATCH, or WARNING)." EventType: Type <code>xs:string</code>. Annotation: "The type of weather event (e.g. Tornado, Hurricane)." Location: Type <code>xs:string</code>. Annotation: "The specified location of the advisory/watch/warning. This could be a county name, 'STATEWIDE', or many county names." Occurs 1 to infinity times. StartDateTime: Type <code>xs:dateTime</code>. Annotation: "The specified start time for the advisory/watch/warning." EndDateTime: Type <code>xs:dateTime</code>. Annotation: "The specified end time for the advisory/watch/warning." |
| Used by | Element <code>actsOfNatureSpecifics/Characteristics</code> |
| Model | ID , Category , EventType , Location+ , StartDateTime , EndDateTime |
| Children | Category, EndDateTime, EventType, ID, Location, StartDateTime |
| Source | <pre> <xs:complexType name="advisoryWatchWarningCharacteristics"> <xs:sequence> <xs:element name="ID" type="xs:integer"> <xs:annotation> <xs:documentation>An identifier for the specific weather category, event, and location.</xs:documentation> </xs:annotation> </xs:element> <!-- ensure this is described in the docs --> <xs:element name="Category"> <xs:annotation> <xs:documentation>The category of the advisory/watch/warning, (either ADVISORY, WATCH, or WARNING).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="ADVISORY"/> <xs:enumeration value="WATCH"/> <xs:enumeration value="WARNING"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="EventType" type="xs:string"> <xs:annotation> <xs:documentation>The type of weather event (e.g. Tornado, Hurricane).</xs:documentation> </xs:annotation> </xs:element> <xs:element name="Location" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>The specified location of the advisory/watch/warning. This could be a county name, 'STATEWIDE', or many county names.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="StartDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The specified start time for the advisory/watch/warning.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="EndDateTime" type="xs:dateTime"> </pre> |


```

<xs:annotation>
  <xs:documentation>The specified end time for the advisory/watch/warning.</xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>

```

Complex Type roadwayTrafficCharacteristics

| | |
|----------|--|
| Diagram | |
| Used by | Element roadwayTrafficSpecifics/Characteristics |
| Model | HasSpeedRestriction , IsWithinWorkZone , IsBoreClosureRequired |
| Children | HasSpeedRestriction, IsBoreClosureRequired, IsWithinWorkZone |
| Source | <pre> <xs:complexType name="roadwayTrafficCharacteristics"> <xs:sequence> <xs:element name="HasSpeedRestriction" type="xs:boolean"> <xs:annotation> <xs:documentation>Specifies if there is a speed restriction associated with the event.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="IsWithinWorkZone" type="xs:boolean"> <xs:annotation> <xs:documentation>Specifies if the event is within a work zone.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="IsBoreClosureRequired" type="xs:boolean"> <xs:annotation> <xs:documentation>Specifies if there is a bore closure required for the event.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre> |

Complex Type roadwayTrafficSpecifics

| | |
|---------|--|
| Diagram | |
|---------|--|

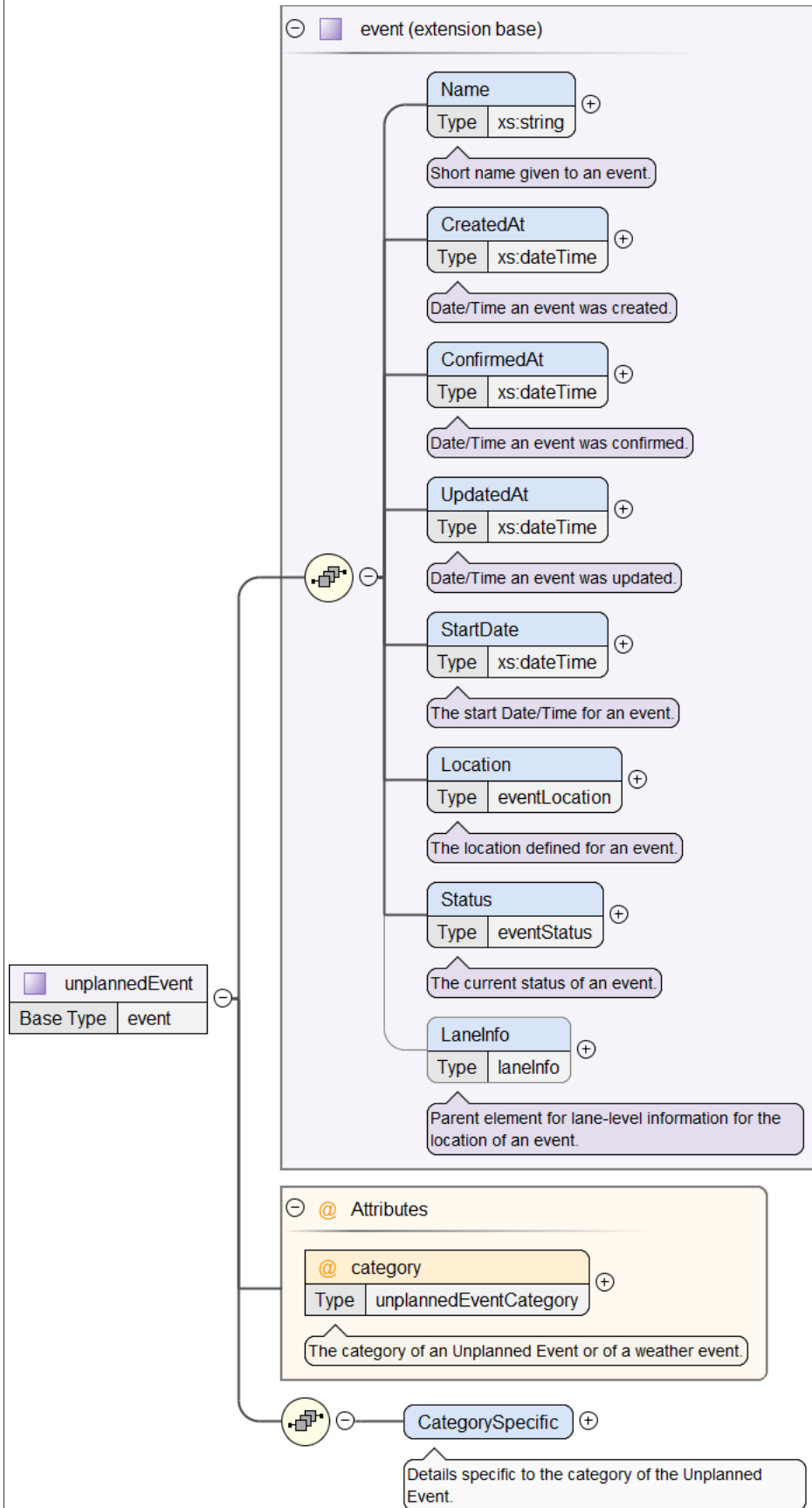
| | | | | |
|------------|--|--------------------|------------|--|
| Model | Subtype , Characteristics{0,1} | | | |
| Children | Characteristics, Subtype | | | |
| Attributes | QName | Type | Use | |
| | type | roadwayTrafficType | required | |
| | The type of the Unplanned Event. | | | |
| Source | <pre> <xs:complexType name="roadwayTrafficSpecifics"> <xs:sequence> <xs:element name="Subtype" type="xs:string"> <xs:annotation> <xs:documentation>The ascribed sub-type of the ROADWAY/TRAFFIC Unplanned Event.</ </xs:documentation> </xs:element> <xs:alternative test="@type = 'FIRE'" type="roadwayTrafficFireSubtype"/> <xs:alternative test="@type = 'ROADWAY_DAMAGE'" type="roadwayTrafficRoadwayDamageSubtype"/> <xs:alternative test="@type = 'ROADWAY_OBSTRUCTION'" type="roadwayTrafficRoadwayObstructionSubtype"/> </xs:element> <xs:element name="Characteristics" type="roadwayTrafficCharacteristics" minOccurs="0"> <xs:annotation> <xs:documentation>The specific characteristics of a ROADWAY/TRAFFIC Unplanned Event.</ </xs:documentation> </xs:element> </xs:sequence> <xs:attribute name="type" type="roadwayTrafficType" use="required"> <xs:annotation> <xs:documentation>The type of the Unplanned Event.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </pre> | | | |

Complex Type actsOfNatureSpecifics

| | | | | |
|------------|---|------------------|------------|--|
| Diagram | | | | |
| Model | Characteristics{0,1} | | | |
| Children | Characteristics | | | |
| Attributes | QName | Type | Use | |
| | type | actsOfNatureType | required | |
| | The type of the Unplanned Event. | | | |
| Source | <pre> <xs:complexType name="actsOfNatureSpecifics"> <xs:sequence> <xs:element name="Characteristics" type="advisoryWatchWarningCharacteristics" minOccurs="0"> <xs:annotation> <xs:documentation>The specific characteristics of an ACTS_OF_NATURE Unplanned Event.</ </xs:documentation> </xs:element> </xs:sequence> <xs:attribute name="type" type="actsOfNatureType" use="required"> <xs:annotation> <xs:documentation>The type of the Unplanned Event.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </pre> | | | |

Complex Type `unplannedEvent`

Diagram



Type: extension of event

| | | | | |
|----------------|--|------------------------|----------|--|
| Type hierarchy | <ul style="list-style-type: none"> event unplannedEvent | | | |
| Used by | Element EventsFeed/Events/UnplannedEvent | | | |
| Model | Name , CreatedAt , ConfirmedAt , UpdatedAt , StartDate , Location , Status , LaneInfo{0,1} , CategorySpecific | | | |
| Children | CategorySpecific, ConfirmedAt, CreatedAt, LaneInfo, Location, Name, StartDate, Status, UpdatedAt | | | |
| Attributes | QName | Type | Use | |
| | category | unplannedEventCategory | required | |
| | The category of an Unplanned Event or of a weather event. | | | |
| Source | <pre> <xs:complexType name="unplannedEvent"> <xs:complexContent> <xs:extension base="event"> <xs:sequence> <xs:element name="CategorySpecific"> <xs:annotation> <xs:documentation>Details specific to the category of the Unplanned Event.</ xs:documentation> </xs:annotation> <xs:alternative test="@category = 'ROADWAY/TRAFFIC'" type="roadwayTrafficSpecifics"/> <xs:alternative test="@category = 'ACTS_OF_NATURE'" type="actsOfNatureSpecifics"/> </xs:element> </xs:sequence> <xs:attribute name="category" type="unplannedEventCategory" use="required"> <xs:annotation> <xs:documentation>The category of an Unplanned Event or of a weather event.</ xs:documentation> </xs:annotation> </xs:attribute> </xs:extension> </xs:complexContent> </xs:complexType> </pre> | | | |

Attribute(s)

Attribute constructionMaintenanceSpecifics / @subtype

| | | |
|-------------|---|----------------------------------|
| Annotations | The ascribed subtype of a Planned Event. | |
| Type | constructionMaintenanceType | |
| Properties | use: | required |
| Facets | enumeration | ROADWAY_ACTIVITY |
| | enumeration | BRIDGE_ACTIVITY |
| | enumeration | TUNNEL_ACTIVITY |
| | enumeration | FACILITY_ACTIVITY |
| | enumeration | UTILITY_ACTIVITY |
| Used by | Complex Type | constructionMaintenanceSpecifics |
| Source | <pre><xs:attribute name="subtype" type="constructionMaintenanceType" use="required"> <xs:annotation> <xs:documentation>The ascribed subtype of a Planned Event.</xs:documentation> </xs:annotation> </xs:attribute></pre> | |

Attribute specialEventSpecifics / @subtype

| | | | |
|-------------|--|---------------------|--|
| Annotations | The ascribed subtype of a Planned Event. | | |
| Type | specialEventType | | |
| Properties | use: | required | |
| Facets | enumeration | STADIUM/ARENA_EVENT | |
| | enumeration | OUTDOOR_EVENT | |
| | enumeration | VIP_VISIT | |
| | enumeration | ATHLETIC_EVENT | |
| | enumeration | FUNERAL_PROCESSION | |

| | | |
|---------|--|-----------------------|
| | enumeration | TRAINING/DRILL |
| | enumeration | OTHER |
| Used by | Complex Type | specialEventSpecifics |
| Source | <pre><xs:attribute name="subtype" type="specialEventType" use="required"> <xs:annotation> <xs:documentation>The ascribed subtype of a Planned Event.</xs:documentation> </xs:annotation> </xs:attribute></pre> | |

Attribute plannedEvent / @type

| | | |
|-------------|--|--------------------------|
| Annotations | The ascribed type of a planned event. | |
| Type | plannedEventType | |
| Properties | use: | required |
| Facets | enumeration | CONSTRUCTION/MAINTENANCE |
| | enumeration | SPECIAL_EVENT |
| Used by | Complex Type | plannedEvent |
| Source | <pre><xs:attribute name="type" type="plannedEventType" use="required"> <xs:annotation> <xs:documentation>The ascribed type of a planned event.</xs:documentation> </xs:annotation> </xs:attribute></pre> | |

Attribute roadwayTrafficSpecifics / @type

| | | |
|-------------|---|-------------------------|
| Annotations | The type of the Unplanned Event. | |
| Type | roadwayTrafficType | |
| Properties | use: | required |
| Facets | enumeration | CRASH |
| | enumeration | DISABLED_MOTOR_VEHICLE |
| | enumeration | FIRE |
| | enumeration | ROADWAY_DAMAGE |
| | enumeration | ROADWAY_OBSTRUCTION |
| | enumeration | CONGESTION |
| | enumeration | GENERAL_ROADWAY/TRAFFIC |
| Used by | Complex Type | roadwayTrafficSpecifics |
| Source | <pre><xs:attribute name="type" type="roadwayTrafficType" use="required"> <xs:annotation> <xs:documentation>The type of the Unplanned Event.</xs:documentation> </xs:annotation> </xs:attribute></pre> | |

Attribute actsOfNatureSpecifics / @type

| | | |
|-------------|---|------------------------|
| Annotations | The type of the Unplanned Event. | |
| Type | actsOfNatureType | |
| Properties | use: | required |
| Facets | enumeration | LOCAL_WEATHER_EVENT |
| | enumeration | ADVISORY/WATCH/WARNING |
| Used by | Complex Type | actsOfNatureSpecifics |
| Source | <pre><xs:attribute name="type" type="actsOfNatureType" use="required"> <xs:annotation> <xs:documentation>The type of the Unplanned Event.</xs:documentation> </xs:annotation> </xs:attribute></pre> | |

Attribute `unplannedEvent` / `@category`

| | | |
|-------------|--|-----------------|
| Annotations | The category of an Unplanned Event or of a weather event. | |
| Type | unplannedEventCategory | |
| Properties | use: | required |
| Facets | enumeration | ROADWAY/TRAFFIC |
| | enumeration | ACTS_OF_NATURE |
| Used by | Complex Type | unplannedEvent |
| Source | <pre><xs:attribute name="category" type="unplannedEventCategory" use="required"> <xs:annotation> <xs:documentation>The category of an Unplanned Event or of a weather event.</xs:documentation> </xs:annotation> </xs:attribute></pre> | |