

Schema documentation for xml-feed-schema.xsd

february 21, 2019

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Schema(s)

Main schema `xml-feed-schema.xsd`

Properties	attribute form default:	unqualified
	element form default:	unqualified

Element(s)

Element `latlon` / `Latitude`

Diagram	
Type	restriction of <code>xs:decimal</code>
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 <code>xs:decimal</code>
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

Diagram		
Type	xs:string	
Properties	content:	simple
Source	<pre><xs:element name="RoadwayName" type="xs:string"/></pre>	

Element locationPoint / Coordinates

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"/></pre>	

Element eventLocation / Point

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	<code><xs:element name="Point" type="locationPoint"/></code>

Element eventLocation / Range

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:complexType> <xs:sequence> <xs:element name="Start" type="locationPoint"/> <xs:element name="Waypoint" type="locationPoint" minOccurs="0" maxOccurs="unbounded"/> <xs:element name="End" type="locationPoint"/> </xs:sequence> </xs:complexType> </xs:element></pre>

Element eventLocation / Range / Start

Diagram	
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	<code><xs:element name="Start" type="locationPoint"/></code>

Element eventLocation / Range / 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	<code><xs:element name="Waypoint" type="locationPoint" minOccurs="0" maxOccurs="unbounded"/></code>						

Element eventLocation / Range / End

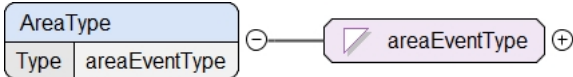
Diagram			
Type	locationPoint		
Properties	<table> <tr><td>content:</td><td>complex</td></tr> </table>	content:	complex
content:	complex		
Model	RoadwayName , Coordinates		
Children	Coordinates, RoadwayName		
Instance	<pre><End> <RoadwayName>{1,1}</RoadwayName> <Coordinates>{1,1}</Coordinates> </End></pre>		
Source	<code><xs:element name="End" type="locationPoint"/></code>		

Element eventLocation / Area

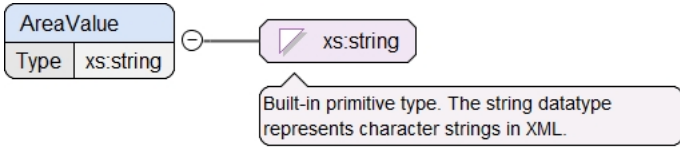
Diagram			
Properties	<table> <tr><td>content:</td><td>complex</td></tr> </table>	content:	complex
content:	complex		
Model	AreaType , AreaValue+		
Children	AreaType, AreaValue		
Instance	<code><Area></code>		

	<pre> <AreaType>{1,1}</AreaType> <AreaValue>{1,unbounded}</AreaValue> </Area> </pre>
Source	<pre> <xs:element name="Area"> <xs:complexType> <xs:sequence> <xs:element name="AreaType" type="areaEventType" /> <xs:element name="AreaValue" type="xs:string" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </xs:element> </pre>

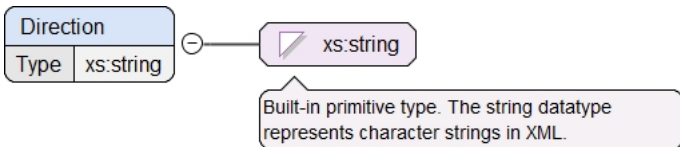
Element eventLocation / Area / AreaType

Diagram		
Type	areaEventType	
Properties	content:	simple
Facets	enumeration	TOWN
	enumeration	COUNTY
	enumeration	SUBDISTRICT
	enumeration	DISTRICT
	enumeration	STATEWIDE
Source	<pre> <xs:element name="AreaType" type="areaEventType"/> </pre>	

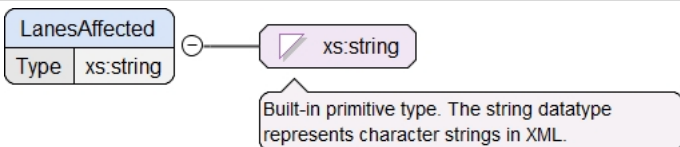
Element eventLocation / Area / AreaValue

Diagram		
Type	xs:string	
Properties	content:	simple
	maxOccurs:	unbounded
Source	<pre> <xs:element name="AreaValue" type="xs:string" maxOccurs="unbounded" /> </pre>	

Element laneInfo / Direction

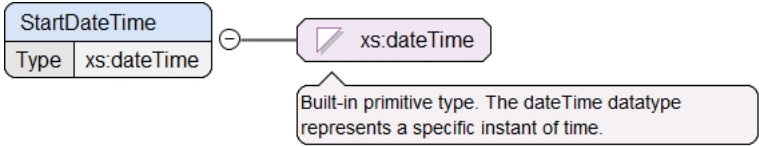
Diagram		
Type	xs:string	
Properties	content:	simple
Source	<pre> <xs:element name="Direction" type="xs:string"/> </pre>	

Element laneInfo / LanesAffected

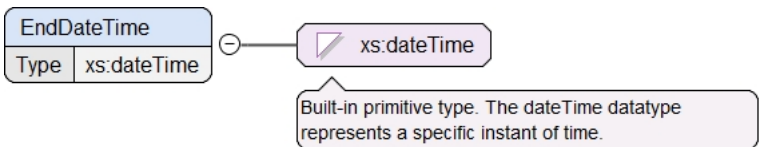
Diagram		
Type	xs:string	

Properties	content: simple
Source	<code><xs:element name="LanesAffected" type="xs:string" /></code>

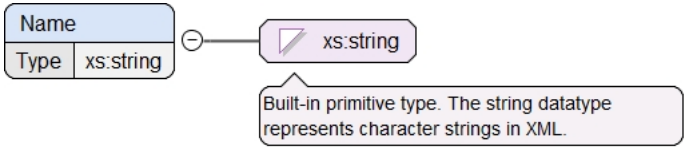
Element eventOccurence / StartDateTime

Diagram	 <p>The diagram shows a box labeled 'StartDateTime' with a sub-section 'Type' containing 'xs:dateTime'. A line with a circle at the end connects this box to a callout box for 'xs:dateTime'. The callout box contains the text: 'Built-in primitive type. The dateTime datatype represents a specific instant of time.'</p>
Type	xs:dateTime
Properties	content: simple
Source	<code><xs:element name="StartDateTime" type="xs:dateTime" /></code>

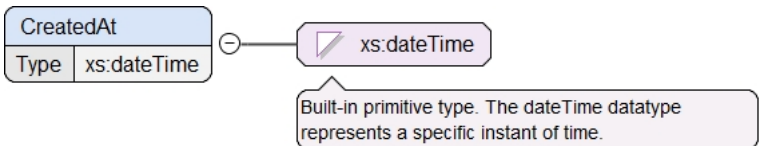
Element eventOccurence / EndDateTime

Diagram	 <p>The diagram shows a box labeled 'EndDateTime' with a sub-section 'Type' containing 'xs:dateTime'. A line with a circle at the end connects this box to a callout box for 'xs:dateTime'. The callout box contains the text: 'Built-in primitive type. The dateTime datatype represents a specific instant of time.'</p>
Type	xs:dateTime
Properties	content: simple
Source	<code><xs:element name="EndDateTime" type="xs:dateTime" /></code>

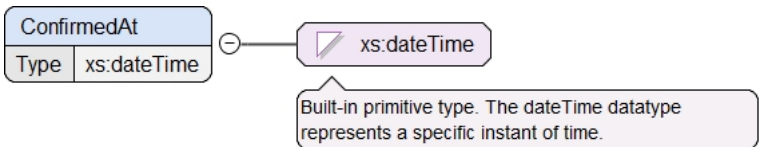
Element event / Name

Diagram	 <p>The diagram shows a box labeled 'Name' with a sub-section 'Type' containing 'xs:string'. A line with a circle at the end connects this box to a callout box for 'xs:string'. The callout box contains the text: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	xs:string
Properties	content: simple
Source	<code><xs:element name="Name" type="xs:string" /></code>

Element event / CreatedAt

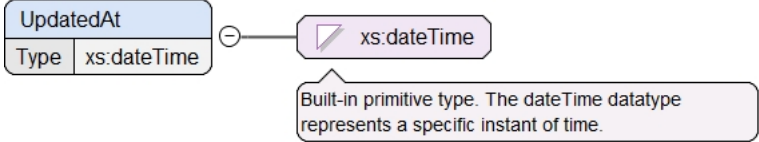
Diagram	 <p>The diagram shows a box labeled 'CreatedAt' with a sub-section 'Type' containing 'xs:dateTime'. A line with a circle at the end connects this box to a callout box for 'xs:dateTime'. The callout box contains the text: 'Built-in primitive type. The dateTime datatype represents a specific instant of time.'</p>
Type	xs:dateTime
Properties	content: simple
Source	<code><xs:element name="CreatedAt" type="xs:dateTime" /></code>

Element event / ConfirmedAt

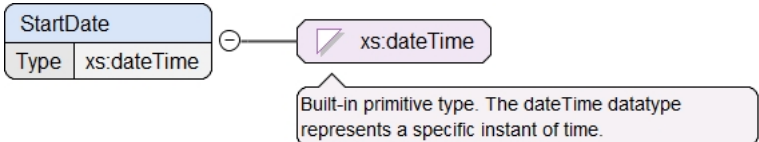
Diagram	 <p>The diagram shows a box labeled 'ConfirmedAt' with a sub-section 'Type' containing 'xs:dateTime'. A line with a circle at the end connects this box to a callout box for 'xs:dateTime'. The callout box contains the text: 'Built-in primitive type. The dateTime datatype represents a specific instant of time.'</p>
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Type	xs:dateTime
Properties	content: simple
Source	<code><xs:element name="ConfirmedAt" type="xs:dateTime" /></code>

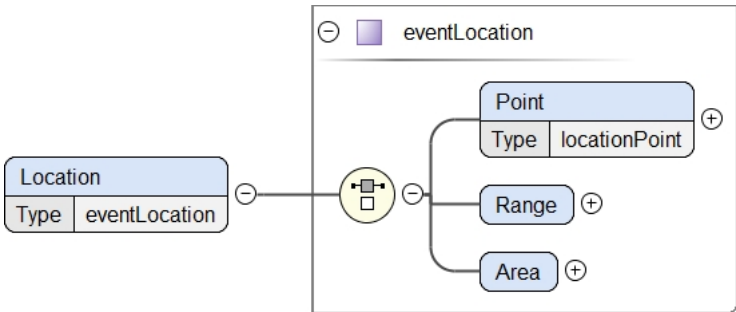
Element event / UpdatedAt

Diagram	 <p>The diagram shows a box for the UpdatedAt element with its type listed as xs:dateTime. A line connects this box to a purple box representing the xs:dateTime datatype. A callout bubble points to the xs:dateTime box with the text: "Built-in primitive type. The dateTime datatype represents a specific instant of time."</p>
Type	xs:dateTime
Properties	content: simple
Source	<code><xs:element name="UpdatedAt" type="xs:dateTime" /></code>

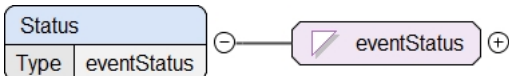
Element event / StartDate

Diagram	 <p>The diagram shows a box for the StartDate element with its type listed as xs:dateTime. A line connects this box to a purple box representing the xs:dateTime datatype. A callout bubble points to the xs:dateTime box with the text: "Built-in primitive type. The dateTime datatype represents a specific instant of time."</p>
Type	xs:dateTime
Properties	content: simple
Source	<code><xs:element name="StartDate" type="xs:dateTime" /></code>

Element event / Location

Diagram	 <p>The diagram shows a box for the Location element with its type listed as eventLocation. A line connects this box to a yellow circle containing a square icon, which then branches into three lines leading to boxes for Point, Range, and Area. Each of these boxes has a '+' sign in its top right corner. A larger box labeled eventLocation encloses the Point, Range, and Area boxes. The Point box has its type listed as locationPoint.</p>
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	<code><xs:element name="Location" type="eventLocation" /></code>

Element event / Status

Diagram	 <p>The diagram shows a box for the Status element with its type listed as eventStatus. A line connects this box to a purple box representing the eventStatus datatype, which has a '+' sign in its top right corner.</p>
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Type	eventStatus	
Properties	content:	simple
Facets	enumeration	ACTIVE
	enumeration	FUTURE
	enumeration	TERMINATED
Source	<xs:element name="Status" type="eventStatus" />	

Element event / LaneInfo

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	<xs:element name="LaneInfo" type="laneInfo" minOccurs="0" />	

Element specialEventSpecifics / SpecialEventCharacteristics

Diagram			
Type	xs:string		
Properties	content:	simple	
	minOccurs:	0	
Type Alternatives	Type	Test	XPath default namespace
	stadiumArenaEventType	@subtype = 'STADIUM/ARENA_EVENT'	

	Type	Test	XPath default namespace
	outdoorEventType	@subtype = 'OUTDOOR_EVENT'	
	athleticEventType	@subtype = 'ATHLETIC_EVENT'	
	xs:anyAtomicType [Default Type]		
Source	<pre><xs:element name="SpecialEventCharacteristics" type="xs:string" minOccurs="0"> <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></pre>		

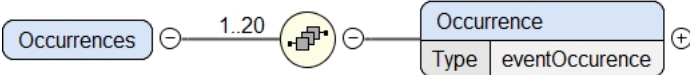
Element plannedEvent / EndDate

Diagram	<div><div><div>EndDate</div><div>Typexs:dateTime</div></div><div><div>⊖</div><div><div><div></div></div>xs:dateTime</div></div><div><div></div><div>Built-in primitive type. The dateTime datatype represents a specific instant of time.</div></div></div>
Type	xs:dateTime
Properties	content:simple
Source	<xs:element name="EndDate" type="xs:dateTime" />

Element plannedEvent / TypeSpecific

Diagram			
Type Alternatives	Type	Test	XPath default namespace
	constructionMaintenanceSpecifics	@type = 'CONSTRUCTION/MAINTENANCE'	
	specialEventSpecifics	@type = 'SPECIAL_EVENT'	
Source	<pre><xs:element name="TypeSpecific"> <xs:alternative test="@type = 'CONSTRUCTION/MAINTENANCE'" type="constructionMaintenanceSpecifics"/> <xs:alternative test="@type = 'SPECIAL_EVENT'" type="specialEventSpecifics"/> </xs:element></pre>		

Element plannedEvent / Occurrences

Diagram			
Properties	content:	complex	
Model	Occurrence		
Children	Occurrence		
Instance	<pre><Occurrences> <Occurrence>{1,1}</Occurrence> </Occurrences></pre>		
Source	<pre><xs:element name="Occurrences"> <xs:complexType> <xs:sequence maxOccurs="20"> <!-- NOTE arbitrary cap --></pre>		

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<xs:element name="Occurrence" type="eventOccurrence" />
</xs:sequence>
</xs:complexType>
</xs:element>

```

Element plannedEvent / Occurrences / Occurrence

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" /> </pre>

Element advisoryWatchWarningCharacteristics / ID

Diagram	
Type	xs:integer
Properties	content: simple
Source	<pre> <xs:element name="ID" type="xs:integer" /> </pre>

Element advisoryWatchWarningCharacteristics / Category

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> <tr> <td>enumeration</td><td>WARNING</td></tr> </table>	enumeration	ADVISORY	enumeration	WATCH	enumeration	WARNING
enumeration	ADVISORY						
enumeration	WATCH						
enumeration	WARNING						
Source	<pre> <xs:element name="Category"> <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

Diagram	
Type	xs:string
Properties	content: simple
Source	<code><xs:element name="EventType" type="xs:string"/></code>

Element advisoryWatchWarningCharacteristics / Location

Diagram	
Properties	maxOccurs: unbounded
Source	<code><xs:element name="Location" maxOccurs="unbounded"/></code>

Element advisoryWatchWarningCharacteristics / StartDateTime

Diagram	
Type	xs:dateTime
Properties	content: simple
Source	<code><xs:element name="StartDateTime" type="xs:dateTime"/></code>

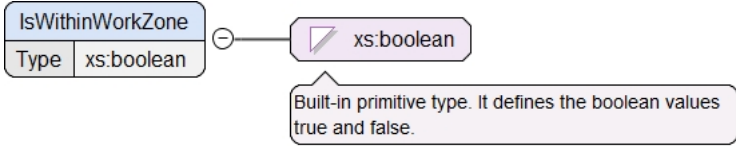
Element advisoryWatchWarningCharacteristics / EndDateTime

Diagram	
Type	xs:dateTime
Properties	content: simple
Source	<code><xs:element name="EndDateTime" type="xs:dateTime"/></code>

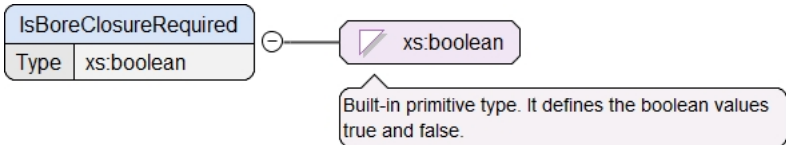
Element roadwayTrafficCharacteristics / HasSpeedRestriction

Diagram	
Type	xs:boolean
Properties	content: simple
Source	<code><xs:element name="HasSpeedRestriction" type="xs:boolean"/></code>

Element roadwayTrafficCharacteristics / IsWithinWorkZone

Diagram	
Type	xs:boolean
Properties	content: simple
Source	<code><xs:element name="IsWithinWorkZone" type="xs:boolean"/></code>

Element roadwayTrafficCharacteristics / IsBoreClosureRequired

Diagram	
Type	xs:boolean
Properties	content: simple
Source	<code><xs:element name="IsBoreClosureRequired" type="xs:boolean"/></code>

Element roadwayTrafficSpecifics / Subtype

Diagram	<div><div><div>Subtype</div><div>Typexs:string</div></div><div><div><div>Type Alternatives</div><div><div>roadwayTrafficFireSubtype</div><div>Test @type = 'FIRE'</div></div><div><div>roadwayTrafficRoadwayDamageSubtype</div><div>Test @type = 'ROADWAY_DAMAGE'</div></div><div><div>roadwayTrafficRoadwayObstructionSubtype</div><div>Test @type = 'ROADWAY_OBSTRUCTION'</div></div><div><div>xs:string</div><div>Built-in primitive type. The string datatype represents character strings in XML.</div></div></div></div></div>		
Type	xs:string		
Properties	content: simple		
Type Alternatives	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: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>		

```
</xs:element>
```

Element roadwayTrafficSpecifics / Characteristics

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"/></pre>

Element actsOfNaturespecifics / Characteristics

Diagram	
Type	advisoryWatchWarningCharacteristics
Properties	content: complex minOccurs: 0
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></pre>

	<pre> <Location>{1,unbounded}</Location> <StartDateTime>{1,1}</StartDateTime> <EndDateTime>{1,1}</EndDateTime> </Characteristics> </pre>
Source	<pre> <xs:element name="Characteristics" type="advisoryWatchWarningCharacteristics" minOccurs="0"/> </pre>

Element unplannedEvent / CategorySpecific

Diagram	<p>The diagram shows a container element CategorySpecific (blue rounded rectangle) with a minus sign icon. It contains two alternative elements (purple rounded rectangles) under the heading Type Alternatives (purple box with a question mark icon). The first alternative is roadwayTrafficSpecifics with a test <code>@category = 'ROADWAY/TRAFFIC'</code>. The second alternative is actsOfNatureSpecifics with a test <code>@category = 'ACTS_OF_NATURE'</code>. Both alternatives have a plus sign icon.</p>											
Type Alternatives	<table><thead><tr><th>Type</th><th>Test</th><th>XPath default namespace</th></tr></thead><tbody><tr><td>roadwayTrafficSpecifics</td><td><code>@category = 'ROADWAY/TRAFFIC'</code></td><td></td></tr><tr><td>actsOfNatureSpecifics</td><td><code>@category = 'ACTS_OF_NATURE'</code></td><td></td></tr></tbody></table>	Type	Test	XPath default namespace	roadwayTrafficSpecifics	<code>@category = 'ROADWAY/TRAFFIC'</code>		actsOfNatureSpecifics	<code>@category = 'ACTS_OF_NATURE'</code>			
Type	Test	XPath default namespace										
roadwayTrafficSpecifics	<code>@category = 'ROADWAY/TRAFFIC'</code>											
actsOfNatureSpecifics	<code>@category = 'ACTS_OF_NATURE'</code>											
Source	<pre><xs:element name="CategorySpecific"> <xs:alternative test="@category = 'ROADWAY/TRAFFIC'" type="roadwayTrafficSpecifics"/> <xs:alternative test="@category = 'ACTS_OF_NATURE'" type="actsOfNatureSpecifics"/> </xs:element></pre>											

Element EventsFeed

Diagram	
Properties	content: complex
Model	UpdateTimestamp , Events
Children	Events, UpdateTimestamp
Instance	<pre><EventsFeed> <UpdateTimestamp>{1,1}</UpdateTimestamp> <Events>{1,1}</Events> </EventsFeed></pre>
Source	<pre><xs:element name="EventsFeed"> <xs:complexType> <xs:sequence> <xs:element name="UpdateTimestamp" type="xs:dateTime"/> <xs:element name="Events"> <xs:complexType> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element name="PlannedEvent" type="plannedEvent"/> <xs:element name="UnplannedEvent" type="unplannedEvent"/> </xs:choice> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

Element EventsFeed / UpdateTimestamp

Diagram	
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Type	xs:dateTime
Properties	content: simple
Source	<code><xs:element name="UpdateTimestamp" type="xs:dateTime" /></code>

Element EventsFeed / 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:complexType> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element name="PlannedEvent" type="plannedEvent" /> <xs:element name="UnplannedEvent" type="unplannedEvent" /> </xs:choice> </xs:complexType> </xs:element> </pre>

Element EventsFeed / Events / PlannedEvent

Diagram	
Type	plannedEvent
Type hierarchy	<ul style="list-style-type: none"> event 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></pre>

	<pre> <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	
Source	<xs:element name="PlannedEvent" type="plannedEvent" />			

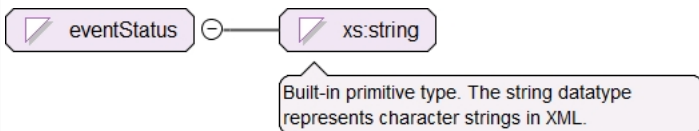
Element EventsFeed / Events / UnplannedEvent

Diagram	<pre> classDiagram class UnplannedEvent { Name xs:string CreatedAt xs:dateTime ConfirmedAt xs:dateTime UpdatedAt xs:dateTime StartDate xs:dateTime Location eventLocation Status eventStatus LaneInfo laneInfo @ category unplannedEventCategory } class event { Name xs:string CreatedAt xs:dateTime ConfirmedAt xs:dateTime UpdatedAt xs:dateTime StartDate xs:dateTime Location eventLocation Status eventStatus LaneInfo laneInfo } UnplannedEvent -- > event </pre>
Type	unplannedEvent
Type hierarchy	<ul style="list-style-type: none"> event

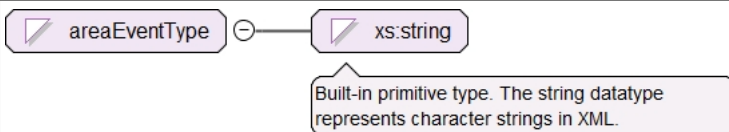
	<ul style="list-style-type: none">unplannedEvent			
Properties	content: complex			
Model	Name , CreatedAt , ConfirmedAt , UpdatedAt , StartDate , Location , Status , LaneInfo{0,1} , CategorySpecific			
Children	CategorySpecific, ConfirmedAt, CreatedAt, LaneInfo, Location, Name, StartDate, Status, UpdatedAt			
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	
Source	<pre><xs:element name="UnplannedEvent" type="unplannedEvent" /></pre>			

Simple Type(s)

Simple Type eventStatus

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:restriction base="xs:string"> <xs:enumeration value="ACTIVE" /> <xs:enumeration value="FUTURE" /> <xs:enumeration value="TERMINATED" /> </xs:restriction> </xs:simpleType></pre>		

Simple Type areaEventType

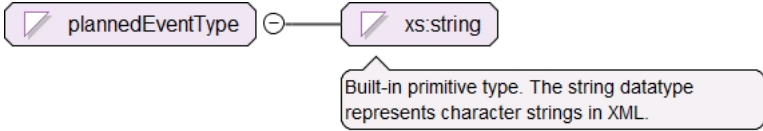
Diagram			
Type	restriction of xs:string		
Facets	enumeration	TOWN	
	enumeration	COUNTY	
	enumeration	SUBDISTRICT	
	enumeration	DISTRICT	
	enumeration	STATEWIDE	
Used by	Element	eventLocation/Area/AreaType	
Source	<pre><xs:simpleType name="areaEventType"> <xs:restriction base="xs:string"> <xs:enumeration value="TOWN"/> <xs:enumeration value="COUNTY"/></pre>		

```

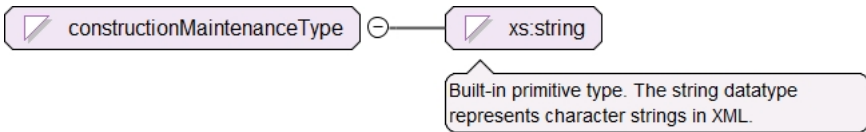
<xs:enumeration value="SUBDISTRICT" />
<xs:enumeration value="DISTRICT" />
<xs:enumeration value="STATEWIDE" />
</xs:restriction>
</xs:simpleType>

```

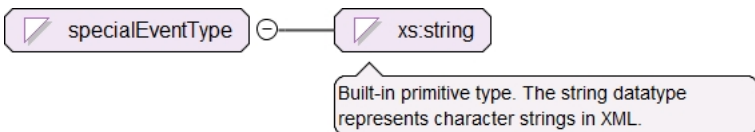
Simple Type plannedEventType

Diagram					
Type	restriction of xs:string				
Facets	<table border="1"> <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

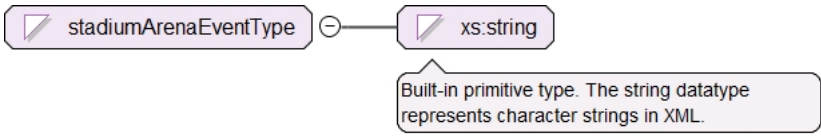
Diagram											
Type	restriction of xs:string										
Facets	<table border="1"> <tr> <td>enumeration</td><td>ROADWAY_ACTIVITY</td></tr> <tr> <td>enumeration</td><td>BRIDGE_ACTIVITY</td></tr> <tr> <td>enumeration</td><td>TUNNEL_ACTIVITY</td></tr> <tr> <td>enumeration</td><td>FACILITY_ACTIVITY</td></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

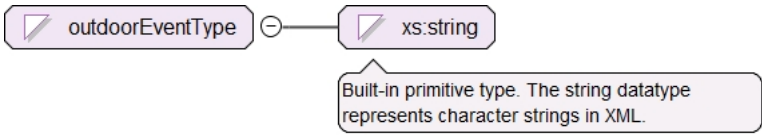
Diagram											
Type	restriction of xs:string										
Facets	<table border="1"> <tr> <td>enumeration</td><td>STADIUM/ARENA_EVENT</td></tr> <tr> <td>enumeration</td><td>OUTDOOR_EVENT</td></tr> <tr> <td>enumeration</td><td>VIP_VISIT</td></tr> <tr> <td>enumeration</td><td>ATHLETIC_EVENT</td></tr> <tr> <td>enumeration</td><td>FUNERAL_PROCESSION</td></tr> </table>	enumeration	STADIUM/ARENA_EVENT	enumeration	OUTDOOR_EVENT	enumeration	VIP_VISIT	enumeration	ATHLETIC_EVENT	enumeration	FUNERAL_PROCESSION
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>	

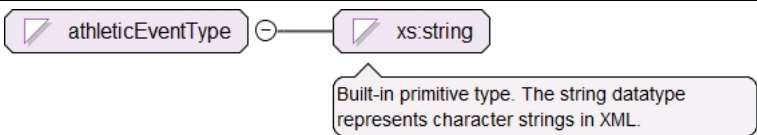
Simple Type stadiumArenaEventType

Diagram		
Type	restriction of xs:string	
Facets	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	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		
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Type	restriction of xs:string
Facets	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>

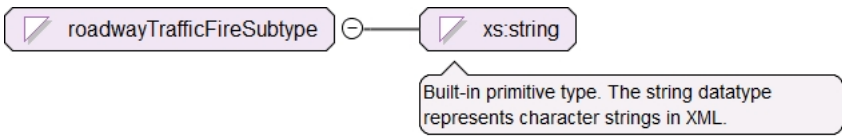
Simple Type unplannedEventCategory

Diagram	
Type	restriction of xs:string
Facets	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>

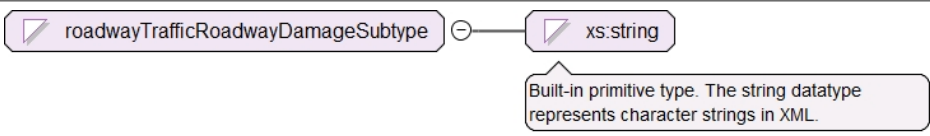
Simple Type roadwayTrafficType

Diagram	
Type	restriction of xs:string
Facets	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>

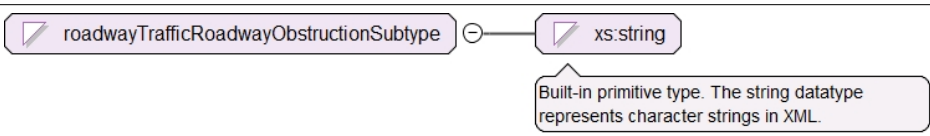
Simple Type `roadwayTrafficFireSubtype`

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_AFFECTING_ROADWAY</td></tr> <tr> <td>enumeration</td><td>BRUSH/FOREST_FIRE</td></tr> </table>	enumeration	VEHICLE_FIRE	enumeration	FACILITY_FIRE_AFFECTING_ROADWAY	enumeration	BRUSH/FOREST_FIRE
enumeration	VEHICLE_FIRE						
enumeration	FACILITY_FIRE_AFFECTING_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> <tr> <td>enumeration</td><td>WATER_DAMAGE</td></tr> <tr> <td>enumeration</td><td>SEWER_DAMAGE</td></tr> <tr> <td>enumeration</td><td>GAS_LEAK</td></tr> </table>	enumeration	STORM_DAMAGE	enumeration	ROAD_SURFACE_COLLAPSE	enumeration	POTHOLE	enumeration	WATER_DAMAGE	enumeration	SEWER_DAMAGE	enumeration	GAS_LEAK
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													
Type	restriction of xs:string												
Facets	<table border="1"> <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> </table>	enumeration	FALLEN_TREES	enumeration	DOWNED_SIGN	enumeration	DOWNED_UTILITY_POLE	enumeration	DOWNED_POWER_LINE	enumeration	DOWNED_CABLES	enumeration	CRASH_INVESTIGATION_WORK
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/Waypoint
Model	RoadwayName , Coordinates
Children	Coordinates, RoadwayName
Source	<pre> <xs:complexType name="locationPoint"> <xs:sequence> <xs:element name="RoadwayName" type="xs:string" /> <xs:element name="Coordinates" type="latlon" /> </xs:sequence> </xs:complexType> </pre>

Complex Type eventLocation

Diagram	
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:element name="Range"> <xs:complexType> <xs:sequence> <xs:element name="Start" type="locationPoint" /> <xs:element name="Waypoint" type="locationPoint" minOccurs="0" maxOccurs="unbounded" /> <xs:element name="End" type="locationPoint" /> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="Area"> <xs:complexType> <xs:sequence> <xs:element name="AreaType" type="areaEventType" /> <xs:element name="AreaValue" type="xs:string" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </xs:element> </xs:choice> </xs:complexType> </pre>

Complex Type laneInfo

Diagram	
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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:element name="LanesAffected" type="xs:string"/> </xs:sequence> </xs:complexType> </pre>

Complex Type eventOccurence

Diagram	
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:element name="EndDateTime" type="xs:dateTime"/> </xs:sequence> </xs:complexType> </pre>

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	<pre> <xs:complexType name="event"> <xs:sequence> <xs:element name="Name" type="xs:string"/> <xs:element name="CreatedAt" type="xs:dateTime"/> <xs:element name="ConfirmedAt" type="xs:dateTime"/> <xs:element name="UpdatedAt" type="xs:dateTime"/> <xs:element name="StartDate" type="xs:dateTime"/> <xs:element name="Location" type="eventLocation"/> <xs:element name="Status" type="eventStatus"/> <xs:element name="LaneInfo" type="laneInfo" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

Complex Type constructionMaintenanceSpecifics

Diagram	<pre>graph LR A["@ Attributes"] --- B["@ subtype"] B --- C["Type constructionMaintenanceType"] D["constructionMaintenanceSpecifics"] --- A</pre>											
Attributes	<table><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr><tr><td>subtype</td><td>constructionMaintenanceType</td><td>required</td><td></td></tr></table>	QName	Type	Use		subtype	constructionMaintenanceType	required				
QName	Type	Use										
subtype	constructionMaintenanceType	required										
Source	<pre><xs:complexType name="constructionMaintenanceSpecifics"> <xs:attribute name="subtype" type="constructionMaintenanceType" use="required"/> </xs:complexType></pre>											

Complex Type specialEventSpecifics

Diagram												
Model	SpecialEventCharacteristics{0,1}											
Children	SpecialEventCharacteristics											
Attributes	<table><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr><tr><td>subtype</td><td>specialEventType</td><td>required</td><td></td></tr></table>	QName	Type	Use		subtype	specialEventType	required				
QName	Type	Use										
subtype	specialEventType	required										
Source	<pre><xs:complexType name="specialEventSpecifics"> <xs:sequence> <xs:element name="SpecialEventCharacteristics" type="xs:string" minOccurs="0"> <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:complexType></pre>											

Complex Type plannedEvent

Diagram				
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	
Source	<pre> <xs:complexType name="plannedEvent"> <xs:complexContent> <xs:extension base="event"> <xs:sequence> </pre>			

```

<xs:element name="EndDate" type="xs:dateTime"/>
<xs:element name="TypeSpecific">
  <xs:alternative test="@type = 'CONSTRUCTION/MAINTENANCE'"
type="constructionMaintenanceSpecifics"/>
  <xs:alternative test="@type = 'SPECIAL_EVENT'" type="specialEventSpecifics"/>
</xs:element>
<xs:element name="Occurrences">
  <xs:complexType>
    <xs:sequence maxOccurs="20">
      <!-- NOTE arbitrary cap -->
      <xs:element name="Occurrence" type="eventOccurrence"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="type" type="plannedEventType" use="required"/>
</xs:extension>
</xs:complexContent>
</xs:complexType>

```

Complex Type advisoryWatchWarningCharacteristics

Diagram	
Used by	Element actsOfNatureSpecifics/Characteristics
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"/> <!-- ensure this is described in the docs --> <xs:element name="Category"> <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:element name="Location" maxOccurs="unbounded"/> <!-- county name, 'STATEWIDE', or many county names --> <xs:element name="StartDateTime" type="xs:dateTime"/> <xs:element name="EndDateTime" type="xs:dateTime"/> </xs:sequence> </xs:complexType> </pre>

Complex Type roadwayTrafficCharacteristics

Diagram	
Used by	Element roadwayTrafficSpecifcs/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:element name="IsWithinWorkZone" type="xs:boolean" /> <xs:element name="IsBoreClosureRequired" type="xs:boolean" /> </xs:sequence> </xs:complexType> </pre>

Complex Type roadwayTrafficSpecifcs

Diagram												
Model	Subtype , Characteristics {0,1}											
Children	Characteristics, Subtype											
Attributes	<table><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr><tr><td>type</td><td>roadwayTrafficType</td><td>required</td><td></td></tr></table>	QName	Type	Use		type	roadwayTrafficType	required				
QName	Type	Use										
type	roadwayTrafficType	required										
Source	<pre><xs:complexType name="roadwayTrafficSpecifcs"> <xs:sequence> <xs:element name="Subtype" type="xs:string"> <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:sequence> <xs:attribute name="type" type="roadwayTrafficType" use="required"/> </xs:complexType></pre>											

Complex Type actsOfNatureSpecifics

Diagram				
Model	Characteristics{0,1}			
Children	Characteristics			
Attributes	QName	Type	Use	
	type	actsOfNatureType	required	
Source	<pre> <xs:complexType name="actsOfNatureSpecifics"> <xs:sequence> <xs:element name="Characteristics" type="advisoryWatchWarningCharacteristics" minOccurs="0"/> </xs:sequence> <xs:attribute name="type" type="actsOfNatureType" use="required"/> </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	
Source	<pre> <xs:complexType name="unplannedEvent"> <xs:complexContent> <xs:extension base="event"> <xs:sequence> <xs:element name="CategorySpecific"> <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:extension> </xs:complexContent> </xs:complexType> </pre>			

```
</xs:complexType>
```

Attribute(s)

Attribute constructionMaintenanceSpecifics / @subtype

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	<code><xs:attribute name="subtype" type="constructionMaintenanceType" use="required" /></code>	

Attribute specialEventSpecifics / @subtype

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	<code><xs:attribute name="subtype" type="specialEventType" use="required" /></code>	

Attribute plannedEvent / @type

Type	plannedEventType	
Properties	use:	required
Facets	enumeration	CONSTRUCTION/MAINTENANCE
	enumeration	SPECIAL_EVENT
Used by	Complex Type	plannedEvent
Source	<code><xs:attribute name="type" type="plannedEventType" use="required" /></code>	

Attribute roadwayTrafficSpecifics / @type

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	<code><xs:attribute name="type" type="roadwayTrafficType" use="required"/></code>	

Attribute actsOfNatureSpecifics / @type

Type	actsOfNatureType	
Properties	use:	required
Facets	enumeration	LOCAL_WEATHER_EVENT
	enumeration	ADVISORY/WATCH/WARNING
Used by	Complex Type	actsOfNatureSpecifics
Source	<code><xs:attribute name="type" type="actsOfNatureType" use="required"/></code>	

Attribute unplannedEvent / @category

Type	unplannedEventCategory	
Properties	use:	required
Facets	enumeration	ROADWAY/TRAFFIC
	enumeration	ACTS_OF_NATURE
Used by	Complex Type	unplannedEvent
Source	<code><xs:attribute name="category" type="unplannedEventCategory" use="required"/></code>	