

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

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## Table of Contents

Schema(s) .....	1
Main schema massdot-itms-events-feed.xsd .....	1
Element(s) .....	1
Element EventsFeed .....	1
Element EventsFeed / UpdateTimestamp .....	2
Element EventsFeed / Events .....	2
Element EventsFeed / Events / PlannedEvent .....	3
Element EventsFeed / Events / UnplannedEvent .....	5

## Schema(s)

### Main schema massdot-itms-events-feed.xsd

Properties	attribute form default:   unqualified
	element form default:   unqualified

## Element(s)

### Element EventsFeed

Annotations	Root element for the feed.
Diagram	
Properties	content:                   complex
Model	UpdateTimestamp , Events
Children	Events, UpdateTimestamp
Instance	<pre>&lt;EventsFeed&gt;   &lt;UpdateTimestamp&gt;{1,1}&lt;/UpdateTimestamp&gt;   &lt;Events&gt;{1,1}&lt;/Events&gt; &lt;/EventsFeed&gt;</pre>
Source	<pre>&lt;xs:element name="EventsFeed"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Root element for the feed.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="UpdateTimestamp" type="xs:dateTime"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation source="DYNAC-generated element at the time of feed publishing"&gt;Date/ Time when this instance of the feed was published.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="Events"&gt;</pre>

```

<xs:annotation>
  <xs:documentation source="DYNAC-generated, minus unconfirmed events">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 source="DYNAC DSM-based user input, minus the type exclusions">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 source="DYNAC DSM-based user input, minus the type exclusions">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>

```

## Element EventsFeed / UpdateTimestamp

Annotations	DYNAC-generated element at the time of feed publishing Date/Time when this instance of the feed was published.
Diagram	
Type	xs:dateTime
Properties	content: simple
Source	<pre> &lt;xs:element name="UpdateTimestamp" type="xs:dateTime"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation source="DYNAC-generated element at the time of feed publishing"&gt;Date/Time when this instance of the feed was published.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>

## Element EventsFeed / Events

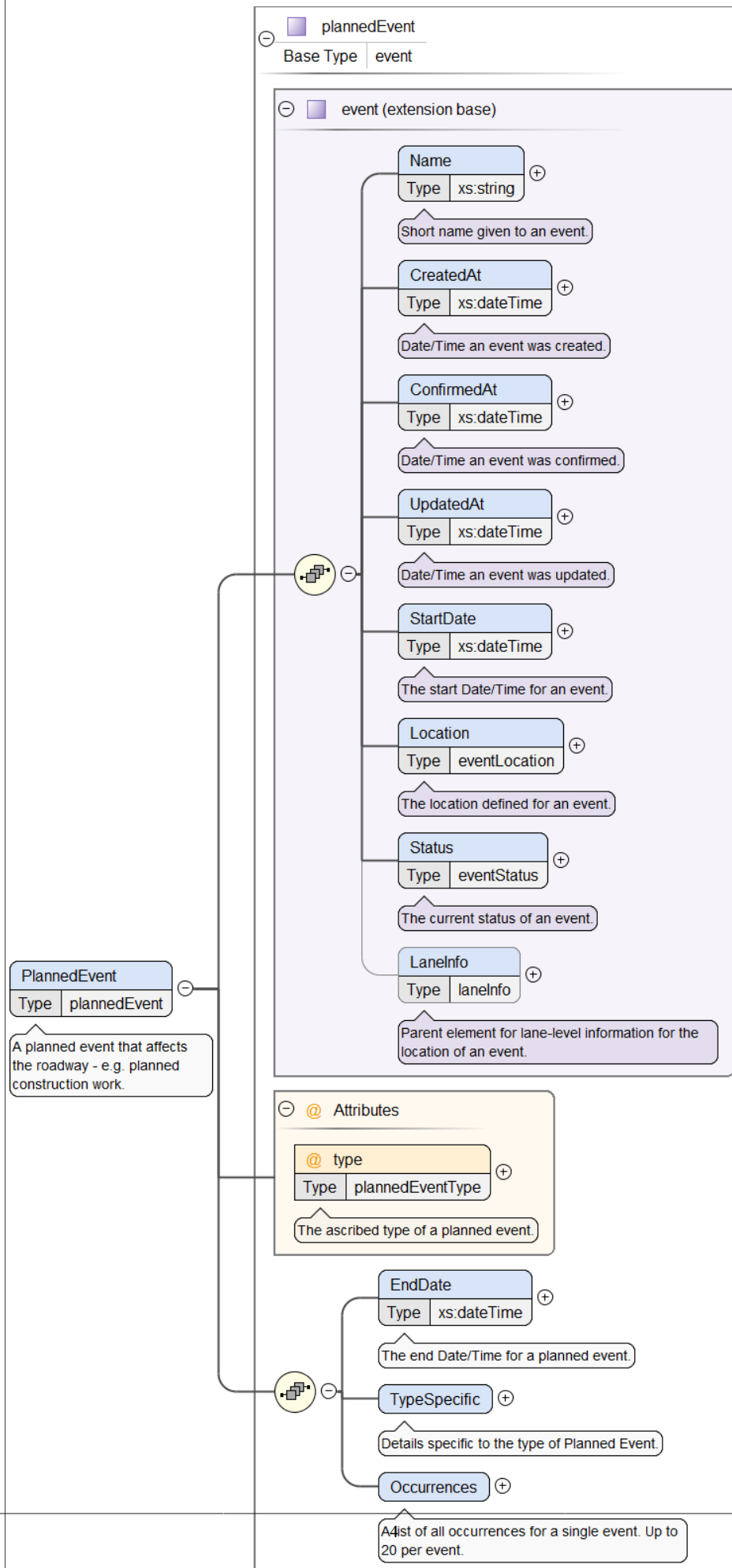
Annotations	DYNAC-generated, minus unconfirmed events Includes all published planned/unplanned events.
Diagram	
Properties	content: complex
Model	PlannedEvent   UnplannedEvent
Children	PlannedEvent, UnplannedEvent
Instance	<pre> &lt;Events&gt;   &lt;PlannedEvent type=" " {1,1}&lt;/PlannedEvent&gt; </pre>

	<pre> &lt;UnplannedEvent category=""&gt;&gt;{1,1}&lt;/UnplannedEvent&gt; &lt;/Events&gt; </pre>
Source	<pre> &lt;xs:element name="Events"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation source="DYNAC-generated, minus unconfirmed events"&gt;Includes all published planned/unplanned events.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:choice minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:element name="PlannedEvent" type="plannedEvent"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation source="DYNAC DSM-based user input, minus the type exclusions"&gt;A planned event that affects the roadway - e.g. planned construction work.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="UnplannedEvent" type="unplannedEvent"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation source="DYNAC DSM-based user input, minus the type exclusions"&gt;An unplanned event that is affecting the roadway - e.g. a crash.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;     &lt;/xs:choice&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>

## Element EventsFeed / Events / PlannedEvent

Annotations	<p>DYNAC DSM-based user input, minus the type exclusions</p> <p>A planned event that affects the roadway - e.g. planned construction work.</p>
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Diagram

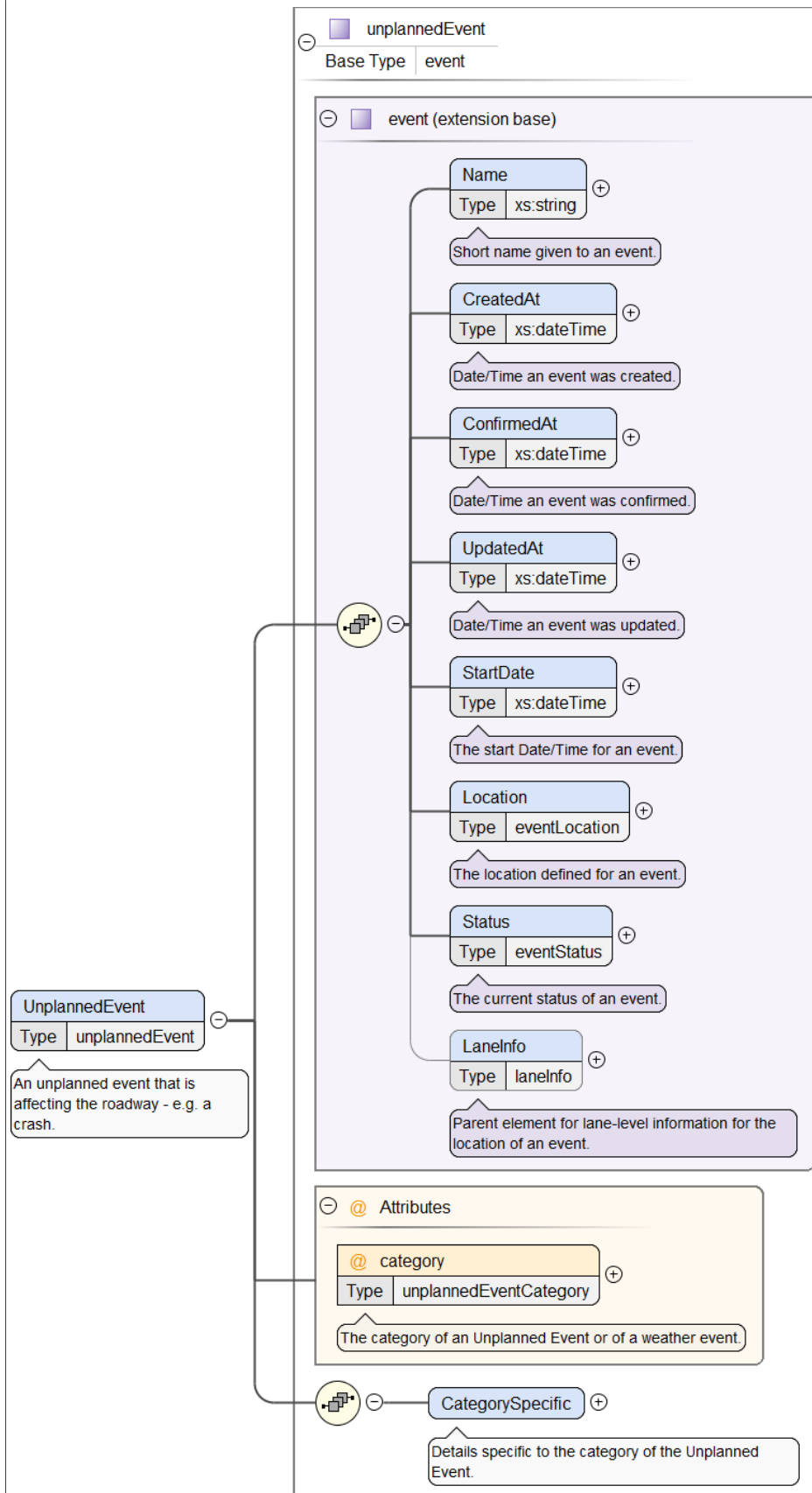


Type	plannedEvent			
Type hierarchy	<ul style="list-style-type: none"><li>event<ul style="list-style-type: none"><li>plannedEvent</li></ul></li></ul>			
Properties	content: complex			
Model	Name , CreatedAt , ConfirmedAt , UpdatedAt , StartDate , Location , Status , LaneInfo{0,1} , EndDate , TypeSpecific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

## Element EventsFeed / Events / UnplannedEvent

Annotations	DYNAC DSM-based user input, minus the type exclusions An unplanned event that is affecting the roadway - e.g. a crash.
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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>&lt;UnplannedEvent category=""&gt;   &lt;Name&gt;{1,1}&lt;/Name&gt;   &lt;CreatedAt&gt;{1,1}&lt;/CreatedAt&gt;   &lt;ConfirmedAt&gt;{1,1}&lt;/ConfirmedAt&gt;   &lt;UpdatedAt&gt;{1,1}&lt;/UpdatedAt&gt;   &lt;StartDate&gt;{1,1}&lt;/StartDate&gt;   &lt;Location&gt;{1,1}&lt;/Location&gt;   &lt;Status&gt;{1,1}&lt;/Status&gt;   &lt;LaneInfo&gt;{0,1}&lt;/LaneInfo&gt;   &lt;CategorySpecific&gt;{1,1}&lt;/CategorySpecific&gt; &lt;/UnplannedEvent&gt;</pre>			
Attributes	QName	Type	Use	
	category	unplannedEventCategory	required	
		DYNAC DSM-based user input		
		The category of an Unplanned Event or of a weather event.		
Source	<pre>&lt;xs:element name="UnplannedEvent" type="unplannedEvent"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation source="DYNAC DSM-based user input, minus the type exclusions"&gt;An unplanned     event that is affecting the roadway - e.g. a crash.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>			