

Schema documentation for edxl-have-v2.0-csd01.xsd

13 January 2015

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Resource hierarchy:

Legend:  Import,  Include,  Redefine,  Override,  Cycle detected

edxl-have-v2.0-csd01.xsd

edxl-gsf.v1.0.xsd

edxl-gsf-base.xsd

xlink.xsd

xml.xsd

edxl-ext-v1.0.xsd

edxl-ct-v1.0-wd06.xsd

edxl_xPIL.xsd

CommonTypes.xsd

edxl_xNL.xsd

xNL-types.xsd

CommonTypes.xsd

edxl_xAL.xsd

xAL-types.xsd

CommonTypes.xsd

xPIL-types.xsd

edxl_xAL.xsd

xAL-types.xsd

CommonTypes.xsd

edxl-gsf.v1.0.xsd

edxl-gsf-base.xsd

xlink.xsd

xml.xsd

edxl_xPIL.xsd

CommonTypes.xsd

edxl_xNL.xsd

xNL-types.xsd

CommonTypes.xsd

edxl_xAL.xsd

xAL-types.xsd

CommonTypes.xsd

xPIL-types.xsd
 edxl_xAL.xsd
 xAL-types.xsd
 CommonTypes.xsd
 edxl-ct-v1.0-wd06.xsd
 edxl_xPIL.xsd
 CommonTypes.xsd
 edxl_xNL.xsd
 xNL-types.xsd
 CommonTypes.xsd
 edxl_xAL.xsd
 xAL-types.xsd
 CommonTypes.xsd
 xPIL-types.xsd
 edxl_xAL.xsd
 xAL-types.xsd
 CommonTypes.xsd
 edxl-gsf.v1.0.xsd
 edxl-gsf-base.xsd
 xlink.xsd
 xml.xsd

Namespace: "urn:oasis:names:tc:emergency:edxl:have:2.0"

Schema(s)

Main schema **edxl-have-v2.0-csd01.xsd**

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Annotations	<p>Specification Name: EDXL Hospital Availability Exchange (HAVE) 2.0 Description: Defines the XML schema for the EDXL HAVE message exchange Produced by: Emergency Management HAVE Subcommittee URL: http://docs.oasis-open.org Version: 2.0 WD Status: SC DRAFT Copyright: 2012-2015, OASIS, http://www.oasis-open.org Last Modified: 05JAN2015 Last Modified by: Darrell O'Donnell, P.Eng.</p> <p>Guiding Concepts/Principles: Schema Validation: should provide deep validation capabilities as opposed to being a basic schema where different groups make up extensions to the point where nothing is valid in between systems. Extensible: Key areas of the schema should support extensibility in a controlled manner. The use of managed taxonomies can allow a group to define a new set of services that are used in a network for example. Simple: Though the standard could support aggregation the provision of individual facility elements REVIEW: new elements ID and IDREF: References (IDREF) to unique elements (ID) should be used, especially where establishing of a hierarchy.</p>				
Properties	<table> <tr> <td>attribute form default:</td><td>qualified</td></tr> <tr> <td>element form default:</td><td>qualified</td></tr> </table>	attribute form default:	qualified	element form default:	qualified
attribute form default:	qualified				
element form default:	qualified				

Element(s)

Element **HAVE**

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
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Annotations	Top Level item for Hospital Availability Exchange (HAVE) message. THIS IS NOT A FINAL VERSION - THIS IS A BETA DOCUMENT AND THIS BETA NATURE NEEDS TO BE CONSIDERED.			
Diagram	<div><div><div><div><div>@ Attributes</div><div><div>@ defaultLanguage</div><div>Type xs:string</div></div><div>Language code that is used throughout the document. Code MUST comply with RFC3066. Free text within the document will...</div></div></div><div><div>HAVE</div><div>Top Level item for Hospital Availability Exchange (HAVE) message. THIS IS NOT A FINAL VERSION - THIS IS A BETA DOCUMENT...</div></div><div><div><div>organizationInformation</div><div>Type OrganizationInformationType</div><div>Information of the Organization that is responsible for the reporting of these facilities.</div></div><div><div>reportingPeriod</div><div>Type edxl-ct:TimePeriodType</div><div>The reporting period applicable for the HAVE root element and called the "current reporting period" typically a 24-hr...</div></div><div><div>1..∞</div><div><div>facility</div><div>Type FacilityType</div><div>A list of facilities that comprise the detail of this HAVE mesasage.</div></div></div><div><div>comment</div><div>Type FreeTextType</div><div>Provides context to the HAVE report.</div></div></div></div></div>			
Properties	content:	complex		
Model	organizationInformation , reportingPeriod{0,1} , facility+ , comment{0,1}			
Children	comment, facility, organizationInformation, reportingPeriod			
Instance	<pre><HAVE defaultLanguage="" xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <organizationInformation>{1,1}</organizationInformation> <reportingPeriod>{0,1}</reportingPeriod> <facility ID="" parentID="">{1,unbounded}</facility> <comment>{0,1}</comment> </HAVE></pre>			
Attributes	QName	Type	Use	
	defaultLanguage	xs:string	required	
		Language code that is used throughout the document. Code MUST comply with RFC3066. Free text within the document will be assumed to be in this defaultLanguage.		

Element HAVE / organizationInformation

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Information of the Organization that is responsible for the reporting of these facilities.

Diagram	<p>OrganizationInformationType Type: OrganizationInformationType Information of the Organization that is responsible for the reporting of these facilities.</p> <p>xpi:OrganisationDetailsType (extension base) 1..n: n:OrganisationName (Organisation Name) Addresses (A container for all party addresses) ContactNumbers (A container for all kinds of telecommunication lines of party used for contact purposes. e.g. phone, fax, mobile,...) ElectronicAddressIdentifiers (A container of different types of electronic addresses of party (e.g. email, chat, skype, etc)) OrganisationInfo (Container for other person specific details that are not covered in this schema elements that are common to a party) A container for defining the unique characteristics of an organisation only The container element for organization information elements.</p>
Type	OrganizationInformationType
Type hierarchy	<ul style="list-style-type: none"> OrganisationDetailsType OrganizationInformationType
Properties	content: complex
Model	OrganisationName+ , Addresses{0,1} , ContactNumbers{0,1} , ElectronicAddressIdentifiers{0,1} , OrganisationInfo{0,1}
Children	Addresses, ContactNumbers, ElectronicAddressIdentifiers, OrganisationInfo, OrganisationName
Instance	<pre> <organizationInformation xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:ns0="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:xpi="urn:oasis:names:tc:emergency:edxl:have:2.0" <ns0:OrganisationName OrganisationID="" OrganisationIDType="">{1,unbounded}</ns0:OrganisationName> <xpi:Addresses>{0,1}</xpi:Addresses> <xpi:ContactNumbers>{0,1}</xpi:ContactNumbers> <xpi:ElectronicAddressIdentifiers>{0,1}</xpi:ElectronicAddressIdentifiers> <xpi:OrganisationInfo CategoryType="" DataQualityType="" IndustryCode="" IndustryCodeType="" IndustryType="" Nationality="">{0,1}</xpi:OrganisationInfo> </organizationInformation> </pre>

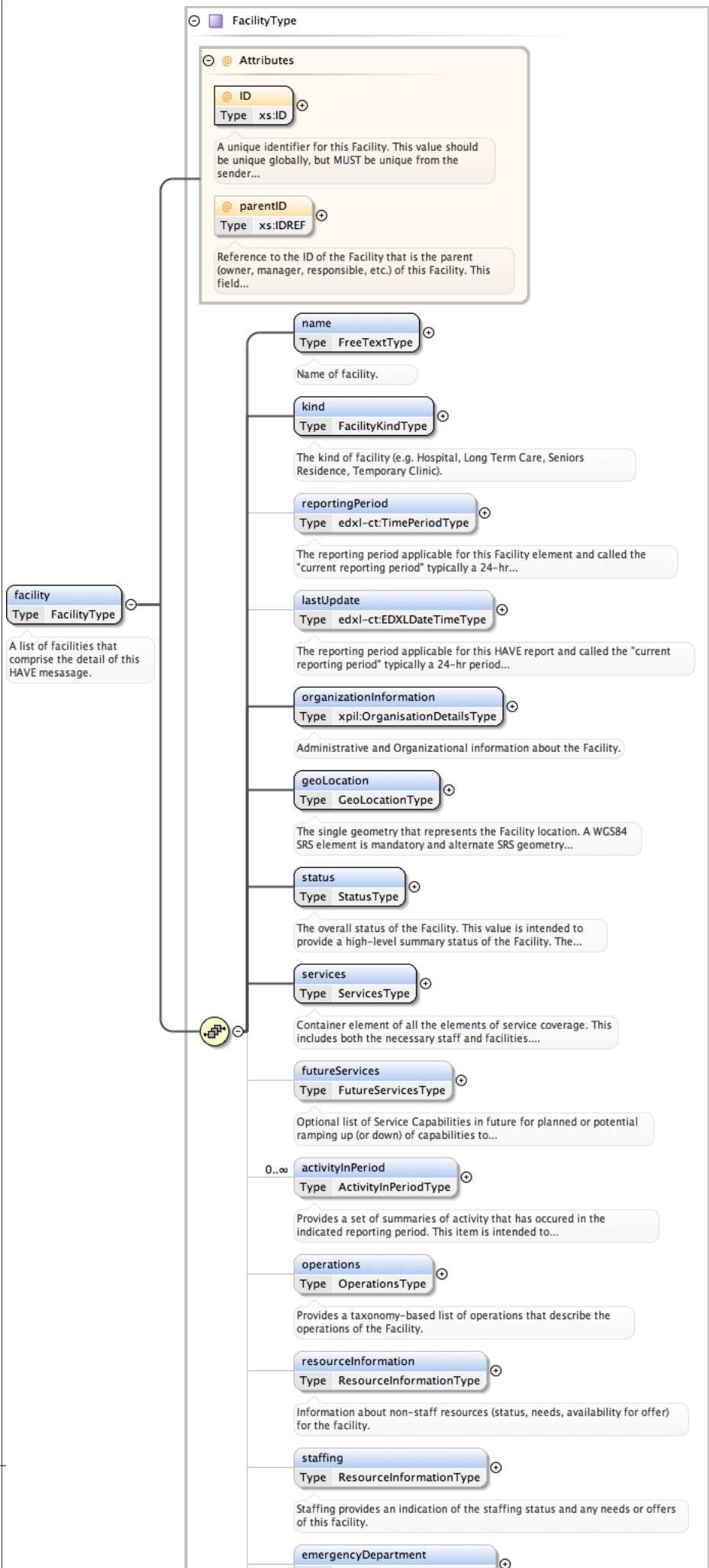
Element HAVE / reportingPeriod

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The reporting period applicable for the HAVE root element and called the "current reporting period" typically a 24-hr period but the duration may change for operational reasons. If blank the assumption is that the file is for "today" - local to the issuer.
Diagram	<p>reportingPeriod Type: edxl-ct:TimePeriodType The reporting period applicable for the HAVE root element and called the "current reporting period" typically a 24-hr...</p> <p>edxl-ct:TimePeriodType fromDateTime (0..1) toDateTime (0..1)</p>
Type	ct:TimePeriodType
Properties	content: complex minOccurs: 0
Model	ct:fromDateTime , ct:toDateTime
Children	ct:fromDateTime, ct:toDateTime
Instance	<pre> <reportingPeriod xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:edxl-ct="urn:oasis:names:tc:emergency:edxl:ct:1.0"> <edxl-ct:fromDateTime>{1,1}</edxl-ct:fromDateTime> <edxl-ct:toDateTime>{1,1}</edxl-ct:toDateTime> </reportingPeriod> </pre>

Element **HAVE** / **facility**

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	A list of facilities that comprise the detail of this HAVE mesasage.

Diagram



Type	FacilityType			
Properties	content:		complex	
	maxOccurs:		unbounded	
Model	name , kind , reportingPeriod{0,1} , lastUpdate{0,1} , organizationInformation , geoLocation , status , services , futureServices{0,1} , activityInPeriod* , operations{0,1} , resourceInformation{0,1} , staffing{0,1} , emergencyDepartment{0,1} , traumaCenter{0,1} , comment{0,1}			
Children	activityInPeriod, comment, emergencyDepartment, futureServices, geoLocation, kind, lastUpdate, name, operations, organizationInformation, reportingPeriod, resourceInformation, services, staffing, status, traumaCenter			
Instance	<pre><facility ID="" parentID="" xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <name>{1,1}</name> <kind>{1,1}</kind> <reportingPeriod>{0,1}</reportingPeriod> <lastUpdate>{0,1}</lastUpdate> <organizationInformation>{1,1}</organizationInformation> <geoLocation>{1,1}</geoLocation> <status>{1,1}</status> <services>{1,1}</services> <futureServices>{0,1}</futureServices> <activityInPeriod>{0,unbounded}</activityInPeriod> <operations>{0,1}</operations> <resourceInformation>{0,1}</resourceInformation> <staffing>{0,1}</staffing> <emergencyDepartment>{0,1}</emergencyDepartment> <traumaCenter>{0,1}</traumaCenter> <comment>{0,1}</comment> </facility></pre>			
Attributes	QName	Type	Use	
	ID	xs:ID	required	
		A unique identifier for this Facility. This value should be unique globally, but MUST be unique from the sender perspective.		
	parentID	xs:IDREF	optional	
		Reference to the ID of the Facility that is the parent (owner, manager, responsible, etc.) of this Facility. This field is optional and used to provide a hierarchy for formal facility organizations.		

Element FacilityType / name

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Name of facility.
Diagram	<p>The diagram illustrates the structure of the 'name' element. It is a 'FreeTextType' element with a cardinality of 1. It contains two optional elements: 'defaultText' (type 'LimitedString', cardinality 1) and 'alternateText' (type 'AlternateTextType', cardinality 0..∞). The 'defaultText' element is described as 'The text value that uses the message default language (defined at in the HAVE message defaultLanguage attribute)'. The 'alternateText' element is described as 'Alternate language representation.'.</p>
Type	FreeTextType
Properties	content: complex
Model	defaultText , alternateText*
Children	alternateText, defaultText
Instance	<pre><name xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language=" ">{0,unbounded}</alternateText> </name></pre>

Element FreeTextType / defaultText

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0			
Annotations	The text value that uses the message default language (defined at in the HAVE message defaultLanguage attribute).			

Diagram			
Type	LimitedString		
Properties	content:	simple	
Facets	whiteSpace	preserve	
	maxLength	1024	

Element FreeTextType / alternateText

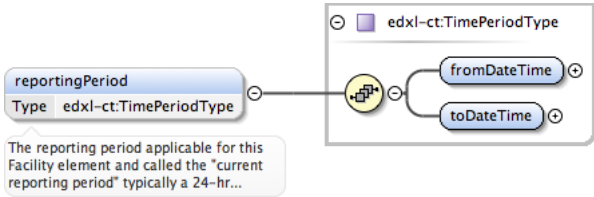
Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Annotations	Alternate language representation.		
Diagram			
Type	AlternateTextType		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> LimitedString <ul style="list-style-type: none"> AlternateTextType 		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	unbounded	
Attributes	QName	Type	Use
	language	xs:string	required
	Language code for the text in this element. Code MUST comply with RFC3066.		

Element FacilityType / kind

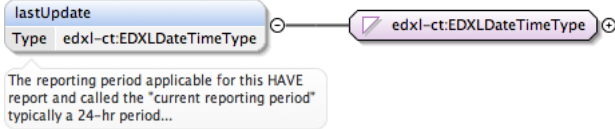
Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Annotations	The kind of facility (e.g. Hospital, Long Term Care, Seniors Residence, Temporary Clinic).		
Diagram			
Type	FacilityKindType		
Type hierarchy	<ul style="list-style-type: none"> xs:token <ul style="list-style-type: none"> ct:EDXLStringType <ul style="list-style-type: none"> FacilityKindType 		
Properties	content:	simple	

Facets	minLength	1
	maxLength	1023
	enumeration	hospital
	enumeration	longTermCare
	enumeration	urgentCareClinic
	enumeration	temporaryFacility
	enumeration	other

Element FacilityType / reportingPeriod

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The reporting period applicable for this Facility element and called the "current reporting period" typically a 24-hr period but the duration may change for operational reasons. If this value is not provided the HAVE message reporting period will be assumed.
Diagram	 <p>The reporting period applicable for this Facility element and called the "current reporting period" typically a 24-hr...</p>
Type	ct:TimePeriodType
Properties	content: complex minOccurs: 0
Model	ct:fromDateTime , ct:toDateTime
Children	ct:fromDateTime, ct:toDateTime
Instance	<pre><reportingPeriod xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:edxl-ct="urn:oasis:names:tc:emergency:edxl:ct:1.0"> <edxl-ct:fromDateTime>{1,1}</edxl-ct:fromDateTime> <edxl-ct:toDateTime>{1,1}</edxl-ct:toDateTime> </reportingPeriod></pre>

Element FacilityType / lastUpdate

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The reporting period applicable for this HAVE report and called the "current reporting period" typically a 24-hr period but the duration may change for operational reasons. If blank the assumption is that the file is for "today" - local to the issuer.
Diagram	 <p>The reporting period applicable for this HAVE report and called the "current reporting period" typically a 24-hr period...</p>
Type	ct:EDXLDateTimeType
Properties	content: simple minOccurs: 0
Facets	pattern \ d \ d \ d \ d - \ d \ d - \ d \ d T \ d \ d : \ d \ d : \ d \ d [- , +] \ d \ d : \ d \ d

Element FacilityType / organizationInformation

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Administrative and Organizational information about the Facility.

Diagram	
Type	OrganisationDetailsType
Properties	content: complex
Model	OrganisationName+ , Addresses{0,1} , ContactNumbers{0,1} , ElectronicAddressIdentifiers{0,1} , OrganisationInfo{0,1}
Children	Addresses, ContactNumbers, ElectronicAddressIdentifiers, OrganisationInfo, OrganisationName
Instance	<pre> <organizationInformation xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:ns0="urn:oasis:names:tc:emergency:edxl:have:2.0" <ns0:OrganisationName OrganisationID="" OrganisationIDType="">{1,unbounded}</ns0:OrganisationName> <xpil:Addresses>{0,1}</xpil:Addresses> <xpil:ContactNumbers>{0,1}</xpil:ContactNumbers> <xpil:ElectronicAddressIdentifiers>{0,1}</xpil:ElectronicAddressIdentifiers> <xpil:OrganisationInfo CategoryType="" DataQualityType="" IndustryCode="" IndustryCodeType="" IndustryType="" Nat xpil:OrganisationInfo </organizationInformation> </pre>

Element FacilityType / geoLocation

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The single geometry that represents the Facility location. A WGS84 SRS element is mandatory and alternate SRS geometry elements can be provided. All geometry elements should be reflecting the same physical location.
Diagram	
Type	GeoLocationType
Properties	content: complex
Model	wgs84Location , geoLocationExtended*
Children	geoLocationExtended, wgs84Location
Instance	<pre> <geoLocation xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <wgs84Location srsName="http://www.opengis.net/def/crs/EPG/0/4326">{1,1}</wgs84Location> <geoLocationExtended srsName="">{0,unbounded}</geoLocationExtended> </geoLocation> </pre>

Element GeoLocationType / wgs84Location

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The location of the facility in WGS84 coordinates. The values in this element must use the WGS84 (EPSG:4326) values. This element is mandatory to ensure compatibility globally. If alternate SRS are needed, use the geoLocationExtended elements to support 1 or more SRS that are needed in your community. FUTURE versions of HAVE may support additional or alternate globally supported SRS.

Diagram	
Type	StatusType
Properties	content: complex
Model	isOK , colourStatus{0,1} , stability{0,1} , comment{0,1}
Children	colourStatus, comment, isOK, stability
Instance	<pre><status xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <isOK>{1,1}</isOK> <colourStatus>{0,1}</colourStatus> <stability>{0,1}</stability> <comment>{0,1}</comment> </status></pre>

Element StatusType / isOK

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Is the service/capability available/functioning/adequate? True = yes, false =no.
Diagram	
Type	xs:boolean
Properties	content: simple

Element StatusType / colourStatus

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Diagram	
Type	ColourStatusType
Properties	content: complex minOccurs: 0
Model	colourCode , statusDescription{0,1}

Children	colourCode, statusDescription
Instance	<pre><colourStatus xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <colourCode>{1,1}</colourCode> <statusDescription>{0,1}</statusDescription> </colourStatus></pre>

Element ColourStatusType / colourCode

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Annotations	Colour (text-based) of the status. By default triage colours of green, yellow, orange, red, black are supported. TODO: CREATE a new ColourCodeType to capture the full ISO 22324 data (colour, meaning, ...)		
Diagram			
Type	ColourCodeDefaultType		
Type hierarchy	<ul style="list-style-type: none"> xs:token ct:EDXLStringType ColourCodeDefaultType 		
Properties	content:	simple	
	minOccurs:	1	
Facets	minLength	1	
	maxLength	1023	
	enumeration	red	RED - severe/extreme deviation from normal condition. Marks a noted exception from normal conditions.
	enumeration	yellow	YELLOW - moderate deviation from normal condition but not at SEVERE/EXTREME level.
	enumeration	green	GREEN - normal conditions.

Element ColourStatusType / statusDescription

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Annotations	Human-readable text describing the reason for selection of the particular colour-code.		
Diagram	<p>The diagram shows a statusDescription element of type FreeTextType. It contains a defaultText of type LimitedString and an optional alternateText of type AlternateTextType with a language attribute. A note indicates that the text value uses the message default language (defined in the HAVE message defaultLanguage attribute).</p>		
Type	FreeTextType		
Properties	content:	complex	
	minOccurs:	0	
Model	defaultText , alternateText*		
Children	alternateText, defaultText		
Instance	<pre><statusDescription xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </statusDescription></pre>		

Element StatusType / stability

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
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Annotations	Indication that the Status is stable, improving, or deteriorating		
Diagram			
Type	StabilityType		
Properties	content:	simple	
	minOccurs:	0	
Facets	enumeration	stable	Stable/unchanging - conditions remain within norms and are not varying out of normal patterns.
	enumeration	improving	Conditions are improving towards normal.
	enumeration	deteriorating	Conditions are deviating negatively from normal.

Element StatusType / comment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Diagram					
Type	FreeTextType				
Properties	<table><tr><td>content:</td><td>complex</td></tr><tr><td>minOccurs:</td><td>0</td></tr></table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	defaultText , alternateText*				
Children	alternateText, defaultText				
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>				

Element FacilityType / services

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Annotations	Container element of all the elements of service coverage. This includes both the necessary staff and facilities. Indicator of the availability of specialty service coverage.		
Diagram	<pre>graph TD services[services Type: ServicesType] --- container(()) container --- service[service Type: ServiceType 1..∞] container --- comment[comment Type: FreeTextType] service --- note1[ServiceListItem provides a description of a particular service - availability, capacity, and status.] comment --- note2[General comment/summary on all of the services]</pre>		
Type	ServicesType		
Properties	content:	complex	
Model	service+ , comment{0,1}		
Children	comment, service		

Instance	<pre><services xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <service>{1,unbounded}</service> <comment>{0,1}</comment> </services></pre>
----------	--

Element ServiceType / service

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0						
Annotations	ServiceListItem provides a description of a particular service - availability, capacity, and status.						
Diagram	<p>The diagram illustrates the structure of the ServiceType element. It is a complex type with the following components:</p> <ul style="list-style-type: none"> name: Type <i>FreeTextType</i>. Description: The human-readable name of the service that is being described. code: Type <i>Restriction of 'ServiceCodeDefaultType'</i>. status: Type <i>StatusType</i>. Description: Describes the status of the service. externalCode: Type <i>edxl-ct:ValueKeyType</i>, cardinality 0..∞. Description: Allows an external system to place its own equivalent code for the service.code value. This allows external systems to... bedCapacity: Type <i>BedCapacityType</i>. Description: An indication of the bed capacity that the facility makes available for the community to know. It reflects fully... capacity: Type <i>CapacityType</i>. Description: Indicates the capacity status of this particular service. comment: Type <i>FreeTextType</i>. Description: Textual description of Service situation. ext:extension: Type <i>extension</i>, cardinality 0..∞. Description: Base element to allow communities to extend/augment an EDXL data standard. <p>A note at the bottom states: "Extensible Service Type for providing detail on a health Service that the Facility provides."</p>						
Type	ServiceType						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>1</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	name , code , status , externalCode* , bedCapacity{0,1} , capacity{0,1} , comment{0,1} , ext:extension*						
Children	bedCapacity, capacity, code, comment, ext:extension, externalCode, name, status						
Instance	<pre><service xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:ext="urn:oasis:names:tc:emergency:edxl:extension"> <name>{1,1}</name> <code>{1,1}</code> <status>{1,1}</status> <externalCode>{0,unbounded}</externalCode> <bedCapacity>{0,1}</bedCapacity> <capacity>{0,1}</capacity> <comment>{0,1}</comment> <ext:extension>{0,unbounded}</ext:extension> </service></pre>						

Element ServiceType / name

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The human-readable name of the service that is being described.

Diagram	
Type	FreeTextType
Properties	content: complex
Model	defaultText , alternateText*
Children	alternateText, defaultText
Instance	<pre><name xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </name></pre>

Element ServiceType / code

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Diagram			
Type	ServiceCodeDefaultType		
Type hierarchy	<ul style="list-style-type: none"> xs:string ct:ValueType ServiceCodeDefaultType 		
Properties	content:	simple	
Facets	enumeration	airborneInfectionIsolation	
	enumeration	burnUnit	Burn Center services.
	enumeration	cardiology	Cardiology services.
	enumeration	cardiology.invasive	Cardiology with invasive capabilities.
	enumeration	cardiology.noninvasive	Cardiology with NO invasive capabilities.
	enumeration	cardiologymi.STEMI	STEMI support
	enumeration	cardiologymi.nonSTEMI	NO STEMI support
	enumeration	cardiology.telemetry	For remote monitoring of cardiology telemetry data for patient.
	enumeration	dialysis	Dialysis services
	enumeration	emergencyDepartment	
	enumeration	hyperBaricChamber	Hyperbaric Chamber
	enumeration	infectiousDisease	Infectious Disease Services
	enumeration	intensiveCare.adult	Adult ICU services.
	enumeration	intensiveCare.neonatal	Neonatal Intensive Care Unit (ICU) services.
	enumeration	intensiveCare.pediatric	Pediatric Intensive Care Unit (ICU) services.
	enumeration	intermediateCare	For low-risk, chronically or critically ill patients
	enumeration	neonatology	Neonatology
	enumeration	neurology	Neurology Services
	enumeration	neurology.invasive	Neurology-Invasive services, including invasive catheterization.
	enumeration	neurology.noninvasive	Neurology-Non-Invasive services with no invasive catheterization capability.
	enumeration	obgyn	OBGYN services

enumeration	obgyn.withLaborDelivery	OBGYN with labor delivery.
enumeration	obgyn.withoutLaborDelivery	OBGYN without labor delivery capabilities.
enumeration	operatingRooms	
enumeration	ophthalmology	Ophthalmology services
enumeration	orthopedic	Orthopedic services
enumeration	pediatrics	Pediatric services
enumeration	psychiatric	Psychiatric services
enumeration	surgery	Surgery capabilities
enumeration	surgery.adultGeneral	General Adult surgery capabilities
enumeration	surgery.pediatrics	General Pediatric surgery capabilities
enumeration	surgery.orthopedics	Orthopedic surgery capabilities
enumeration	surgery.neurosurgery	Neurosurgery capabilities
enumeration	surgery.facial	Facial surgery capabilities
enumeration	surgery.cardiothoracic	Cardiothoracic surgery capabilities
enumeration	surgery.hand	Hand surgery capabilities
enumeration	surgery.reimplantation	Reimplantation surgery capabilities.
enumeration	surgery.spinal	Spinal surgery capabilities
enumeration	surgery.vascular	Vascular surgery capabilities
enumeration	surgery.anesthesia	Anesthesia services
enumeration	traumaCenter	Trauma Center

Element ServiceType / status

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Annotations	Describes the status of the service.				
Diagram	<pre> graph TD status[status Type StatusType Describes the status of the service.] --- isOK[isOK Type xs:boolean Is the service/capability available/functioning/adequate? True = yes, false = no.] status --- colourStatus[colourStatus Type ColourStatusType] status --- stability[stability Type StabilityType Indication that the Status is stable, improving, or deteriorating] status --- comment[comment Type FreeTextType] </pre> <p>Complex Type to provide status information: OK (yes/no), colour code, Stability, and commentary.</p>				
Type	StatusType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1
content:	complex				
minOccurs:	1				
Model	isOK , colourStatus{0,1} , stability{0,1} , comment{0,1}				
Children	colourStatus, comment, isOK, stability				
Instance	<pre> <status xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <isOK>{1,1}</isOK> <colourStatus>{0,1}</colourStatus> <stability>{0,1}</stability> <comment>{0,1}</comment> </status> </pre>				

Element ServiceType / externalCode

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
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Annotations	Allows an external system to place its own equivalent code for the service.code value. This allows external systems to correlate their data directly in the HAVE report.						
Diagram							
Type	ct:ValueKeyType						
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	ct:valueListURI , ct:value						
Children	ct:value, ct:valueListURI						
Instance	<pre><externalCode xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:edxl-ct="urn:oasis:names:tc:emergency:edxl:ct:1.0"> <edxl-ct:valueListURI>{1,1}</edxl-ct:valueListURI> <edxl-ct:value>{1,1}</edxl-ct:value> </externalCode></pre>						

Element ServiceType / bedCapacity

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Annotations	An indication of the bed capacity that the facility makes available for the community to know. It reflects fully staffed and equipped beds. The intention here is to provide an external view of where beds may be available in a health network. The intent is not for HAVE to become a hospital administration tool.				
Diagram					
Type	BedCapacityType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	availableCount , baselineCount{0,1} , comment{0,1}				
Children	availableCount, baselineCount, comment				
Instance	<pre><bedCapacity xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <availableCount>{1,1}</availableCount> <baselineCount>{0,1}</baselineCount> <comment>{0,1}</comment> </bedCapacity></pre>				

Element BedCapacityType / availableCount

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The number of vacant/available beds to which patients can be immediately supported. These must include supporting space, equipment, medical material, ancillary and support services and staff to

	operate under normal circumstances. These beds are licensed, physically available and have staff on hand to attend to the patient who occupies the bed. NEGATIVE values means the service is operating beyond normal capacity.				
Diagram	<p>The number of vacant/available beds to which patients can be immediately supported. These must include supporting...</p>				
Type	xs:integer				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1
content:	simple				
minOccurs:	1				

Element BedCapacityType / baselineCount

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Annotations	The maximum (baseline) number of beds in this category.				
Diagram	<p>The maximum (baseline) number of beds in this category.</p>				
Type	restriction of xs:integer				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Facets	<table> <tr> <td>minInclusive</td><td>0</td></tr> </table>	minInclusive	0		
minInclusive	0				

Element BedCapacityType / comment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Annotations	Human-readable description of the service capacity for this service. This value can be used to explain any specific information for the reader about the Bed Capacity.				
Diagram	<p>Human-readable description of the service capacity for this service. This value can be used to explain any specific...</p> <p>The text value that uses the message default language (defined at in the HAVE message defaultLanguage attribute).</p> <p>Alternate language representation.</p>				
Type	FreeTextType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	defaultText , alternateText*				
Children	alternateText, defaultText				
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>				

Element ServiceType / capacity

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Indicates the capacity status of this particular service.

Diagram					
Type	CapacityType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	capacity , capacityURI{0,1}				
Children	capacity, capacityURI				
Instance	<pre><capacity xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <capacity uom="">{1,1}</capacity> <capacityURI>{0,1}</capacityURI> </capacity></pre>				

Element CapacityType / capacity

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0			
Diagram				
Type	ext:ParameterValueType			
Type hierarchy	<ul style="list-style-type: none">• xs:token<ul style="list-style-type: none">• ct:EDXLStringType<ul style="list-style-type: none">• ext:ParameterValueType			
Properties	content: complex			
Attributes	QName	Type	Use	
	uom	xs:string	optional	

Element CapacityType / capacityURI

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Diagram	<pre>classDiagram class capacityURI { +edxl-ct:ValueListURIType } class edxl-ct:ValueListURIType capacityURI --> edxl-ct:ValueListURIType</pre>		
Type	ct:ValueListURIType		
Properties	content:	simple	
	minOccurs:	0	
	maxOccurs:	1	

Element ServiceType / comment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Textual description of Service situation.

Diagram	
Type	FreeTextType
Properties	content: complex minOccurs: 0
Model	defaultText , alternateText*
Children	alternateText, defaultText
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>

Element ServiceType / comment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	General comment/summary on all of the services
Diagram	
Type	FreeTextType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	defaultText , alternateText*
Children	alternateText, defaultText
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>

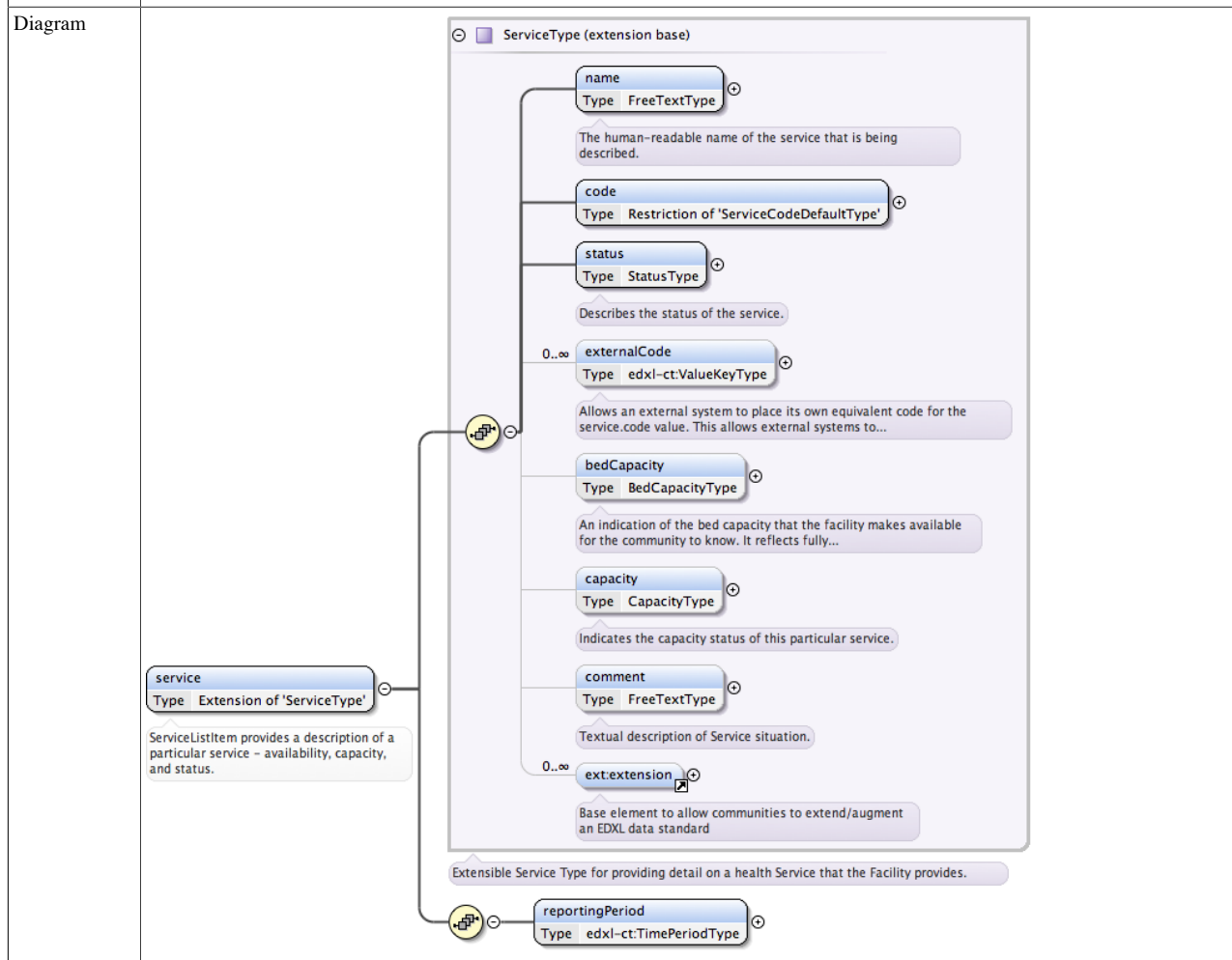
Element FacilityType / futureServices

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Optional list of Service Capabilities in future for planned or potential ramping up (or down) of capabilities to accomodate surge needs or degraded capabilities. 0...n
Diagram	

Type	FutureServicesType
Properties	content: complex
	minOccurs: 0
Model	service+ , comment{0,1}
Children	comment, service
Instance	<pre><futureServices xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <service>{1,unbounded}</service> <comment>{0,1}</comment> </futureServices></pre>

Element FutureServicesType / service

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	ServiceListItem provides a description of a particular service - availability, capacity, and status.



Type	extension of ServiceType
Type hierarchy	<ul style="list-style-type: none"> ServiceType
Properties	content: complex
	minOccurs: 1
	maxOccurs: unbounded
Model	name , code , status , externalCode* , bedCapacity{0,1} , capacity{0,1} , comment{0,1} , ext:extension* , reportingPeriod
Children	bedCapacity, capacity, code, comment, ext:extension, externalCode, name, reportingPeriod, status
Instance	<pre><service xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:ext="urn:oasis:names:tc:emergency:edxl:extension"> <name>{1,1}</name> <code>{1,1}</code> <status>{1,1}</status> <externalCode>{0,unbounded}</externalCode></pre>

```
<bedCapacity>{0,1}</bedCapacity>
<capacity>{0,1}</capacity>
<comment>{0,1}</comment>
<ext:extension>{0,unbounded}</ext:extension>
<reportingPeriod>{1,1}</reportingPeriod>
</service>
```

Element FutureServicesType / service / reportingPeriod

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Diagram	
Type	ct:TimePeriodType
Properties	content: complex
Model	ct:fromDateTime , ct:toDateTime
Children	ct:fromDateTime, ct:toDateTime
Instance	<pre><reportingPeriod xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:edxl- ct="urn:oasis:names:tc:emergency:edxl:ct:1.0"> <edxl-ct:fromDateTime>{1,1}</edxl-ct:fromDateTime> <edxl-ct:toDateTime>{1,1}</edxl-ct:toDateTime> </reportingPeriod></pre>

Element FutureServicesType / comment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	General comment/summary on the all of the furture services
Diagram	
Type	FreeTextType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	defaultText , alternateText*
Children	alternateText, defaultText
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>

Element FacilityType / activityInPeriod

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Provides a set of summaries of activity that has occurred in the indicated reporting period. This item is intended to provide a very high-level summary of facility activity.

Diagram	
Type	ActivityInPeriodType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	reportingPeriod{0,1} , admissions , discharges , deaths , comment{0,1}
Children	admissions, comment, deaths, discharges, reportingPeriod
Instance	<pre> <activityInPeriod xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <reportingPeriod>{0,1}</reportingPeriod> <admissions>{1,1}</admissions> <discharges>{1,1}</discharges> <deaths>{1,1}</deaths> <comment>{0,1}</comment> </activityInPeriod> </pre>

Element ActivityInPeriodType / reportingPeriod

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The time period (From -> To) that the activity occurred in. If this element is not included the reportingPeriod at the Facility level should be assumed to define the time range.
Diagram	
Type	ct:TimePeriodType
Properties	content: complex minOccurs: 0
Model	ct:fromDateTime , ct:toDateTime
Children	ct:fromDateTime, ct:toDateTime
Instance	<pre> <reportingPeriod xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:edxl-ct="urn:oasis:names:tc:emergency:edxl:ct:1.0"> <edxl-ct:fromDateTime>{1,1}</edxl-ct:fromDateTime> <edxl-ct:toDateTime>{1,1}</edxl-ct:toDateTime> </reportingPeriod> </pre>

</reportingPeriod>

Element ActivityInPeriodType / admissions

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0						
Annotations	Number of admissions in the period.						
Diagram							
Type	xs:int						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>default:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	1	default:	0
content:	simple						
minOccurs:	1						
default:	0						

Element ActivityInPeriodType / discharges

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0						
Annotations	Number of Discharges in the period.						
Diagram							
Type	xs:int						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>default:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	1	default:	0
content:	simple						
minOccurs:	1						
default:	0						

Element ActivityInPeriodType / deaths

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0						
Annotations	Number of Deaths in the period.						
Diagram							
Type	xs:int						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>default:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	1	default:	0
content:	simple						
minOccurs:	1						
default:	0						

Element ActivityInPeriodType / comment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	General comment/summary of the activity in period.
Diagram	

Type	FreeTextType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	defaultText , alternateText*				
Children	alternateText, defaultText				
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>				

Element FacilityType / operations

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Annotations	Provides a taxonomy-based list of operations that describe the operations of the Facility.				
Diagram	<pre> graph LR operations[operations Type: OperationsType Provides a taxonomy-based list of operations that describe the operations of the Facility.] operation[operation Type: OperationType Operation that facility provides in the context of key areas such as Clinical Operations, Security Operations, Facility...] comment[comment Type: FreeTextType General comment/summary on all of the operations.] operations -- "1..∞" --> operation operations -- "0..1" --> comment </pre>				
Type	OperationsType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	operation+ , comment{0,1}				
Children	comment, operation				
Instance	<pre><operations xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <operation>{1,unbounded}</operation> <comment>{0,1}</comment> </operations></pre>				

Element OperationsType / operation

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Operation that facility provides in the context of key areas such as Clinical Operations, Security Operations, Facility Operations.

Diagram	<p>operation Type: OperationType</p> <p>Operation that facility provides in the context of key areas such as Clinical Operations, Security Operations, Facility...</p> <p>kind Type: FacilityOperationKind</p> <p>The high-level kind of operation that is being reported on (plant, security, staffing, or emergency).</p> <p>name Type: FreeTextType</p> <p>The name of the operation that is being reported on (e.g. "Food Services").</p> <p>status Type: StatusType</p> <p>The status of the Operation.</p> <p>comment Type: FreeTextType</p> <p>General comment/summary on the Operation.</p> <p>ext:extension 0..∞</p> <p>Base element to allow communities to extend/augment an EDXL data standard</p> <p>Gathers information about a particular operation type including the kind (taxonomy driven), name (human readable...), status, and comment.</p>						
Type	OperationType						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	kind , name , status , comment{0,1} , ext:extension*						
Children	comment, ext:extension, kind, name, status						
Instance	<pre><operation xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:ext="urn:oasis:names:tc:emergency:edxl:extension" <kind>{1,1}</kind> <name>{1,1}</name> <status>{1,1}</status> <comment>{0,1}</comment> <ext:extension>{0,unbounded}</ext:extension> </operation></pre>						

Element OperationType / kind

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Annotations	The high-level kind of operation that is being reported on (plant, security, staffing, or emergency).		
Diagram	<p>kind Type: FacilityOperationKind</p> <p>The high-level kind of operation that is being reported on (plant, security, staffing, or emergency).</p>		
Type	FacilityOperationKind		
Properties	content:	simple	
Facets	enumeration	plant	Plant - the key equipment and capabilities needed to operate the facility (e.g. HVAC, cafeteria).
	enumeration	security	Security operations for facility (e.g. patrol, surveillance).
	enumeration	staffing	Staff-related operations (e.g. medical personnel, support staffing, administrative).
	enumeration	emergency	Emergency Department operations.

Element OperationType / name

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
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Annotations	The name of the operation that is being reported on (e.g. "Food Services").
Diagram	
Type	FreeTextType
Properties	content: complex
Model	defaultText , alternateText*
Children	alternateText, defaultText
Instance	<pre><name xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </name></pre>

Element OperationType / status

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The status of the Operation.
Diagram	
Type	StatusType
Properties	content: complex
Model	isOK , colourStatus{0,1} , stability{0,1} , comment{0,1}
Children	colourStatus, comment, isOK, stability
Instance	<pre><status xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <isOK>{1,1}</isOK> <colourStatus>{0,1}</colourStatus> <stability>{0,1}</stability> <comment>{0,1}</comment> </status></pre>

Element OperationType / comment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	General comment/summary on the Operation.

Diagram					
Type	FreeTextType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	defaultText , alternateText*				
Children	alternateText, defaultText				
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>				

Element OperationsType / comment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0						
Annotations	General comment/summary on all of the operations.						
Diagram							
Type	FreeTextType						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	defaultText , alternateText*						
Children	alternateText, defaultText						
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>						

Element FacilityType / resourceInformation

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Information about non-staff resources (status, needs, availability for offer) for the facility.

Diagram					
Type	ResourceInformationType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	status , needs{0,1} , offers{0,1} , comment{0,1} , ext:extension*				
Children	comment, ext:extension, needs, offers, status				
Instance	<pre><resourceInformation xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:ext="urn:oasis:names:tc:emergency:edxl:have:2.0" <status>{1,1}</status> <needs>{0,1}</needs> <offers>{0,1}</offers> <comment>{0,1}</comment> <ext:extension>{0,unbounded}</ext:extension> </resourceInformation></pre>				

Element ResourceInformationType / status

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Annotations	Overall resource status of the facility.				
Diagram					
Type	StatusType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1
content:	complex				
minOccurs:	1				
Model	isOK , colourStatus{0,1} , stability{0,1} , comment{0,1}				
Children	colourStatus, comment, isOK, stability				

Instance	<pre><status xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <isOK>{1,1}</isOK> <colourStatus>{0,1}</colourStatus> <stability>{0,1}</stability> <comment>{0,1}</comment> </status></pre>
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Element ResourceInformationType / needs

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Annotations	Resource Needs.				
Diagram					
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	resourceNeed+				
Children	resourceNeed				
Instance	<pre><needs xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <resourceNeed>{1,unbounded}</resourceNeed> </needs></pre>				

Element ResourceInformationType / needs / resourceNeed

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Diagram					
Type	ResourceQuantityType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	resourceKind , quantity , resourceSize , comments{0,1}				
Children	comments, quantity, resourceKind, resourceSize				
Instance	<pre><resourceNeed xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <resourceKind>{1,1}</resourceKind> <quantity>{1,1}</quantity> <resourceSize XPath="">{1,1}</resourceSize> <comments>{0,1}</comments> </resourceNeed></pre>				

Element ResourceQuantityType / resourceKind

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The kind (type) of resource that the quantity refers to. TODO: Provide the URI and key-value.

Diagram	<p>The kind (type) of resource that the quantity refers to. TODO: Provide the URI and key-value.</p>
Type	ct:ValueKeyType
Properties	content: complex
Model	ct:valueListURI , ct:value
Children	ct:value, ct:valueListURI
Instance	<pre><resourceKind xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:edxl-ct="urn:oasis:names:tc:emergency:edxl:ct:1.0"> <edxl-ct:valueListURI>{1,1}</edxl-ct:valueListURI> <edxl-ct:value>{1,1}</edxl-ct:value> </resourceKind></pre>

Element ResourceQuantityType / quantity

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The quantity of the particular Resource.
Diagram	<p>The quantity of the particular Resource.</p>
Type	restriction of xs:double
Properties	content: simple
Facets	minInclusive 0

Element ResourceQuantityType / resourceSize

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0			
Annotations	Unit of measure and size (e.g. 1500 mL).			
Diagram	<p>The diagram shows a box for the <code>resourceSize</code> element, which is of type <code>ext:ParameterNameType</code>. It has a description: "Unit of measure and size (e.g. 1500 mL)". A line connects it to a larger box representing its structure. This box shows it is derived from <code>ext:ParameterNameType</code> (indicated by a purple icon). Inside, there is a child element <code>xs:anyURI</code> (indicated by a purple icon) which is optional (circle with a cross) and has a cardinality of 1. Below this, there is an "Attributes" section (indicated by a yellow icon) containing an attribute <code>xPath</code> (indicated by a yellow icon) which is optional (circle with a cross).</p>			
Type	ext:ParameterNameType			
Properties	content: complex			
Attributes	QName	Type	Use	
	xPath	xs:string	optional	

Element ResourceQuantityType / comments

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Textual description of Resource quantity.

Diagram					
Type	FreeTextType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	defaultText , alternateText*				
Children	alternateText, defaultText				
Instance	<pre><comments xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comments></pre>				

Element ResourceInformationType / offers

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Annotations	Resource Offers (resources that can be made available to other Facilities).				
Diagram					
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	resourceOffer+				
Children	resourceOffer				
Instance	<pre><offers xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <resourceOffer>{1,unbounded}</resourceOffer> </offers></pre>				

Element ResourceInformationType / offers / resourceOffer

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
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Diagram					
Type	ResourceQuantityType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	maxOccurs:	unbounded
content:	complex				
maxOccurs:	unbounded				
Model	resourceKind , quantity , resourceSize , comments{0,1}				
Children	comments, quantity, resourceKind, resourceSize				
Instance	<pre><resourceOffer xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <resourceKind>{1,1}</resourceKind> <quantity>{1,1}</quantity> <resourceSize xpath="">{1,1}</resourceSize> <comments>{0,1}</comments> </resourceOffer></pre>				

Element ResourceInformationType / comment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0						
Annotations	Textual description of Resource situation.						
Diagram							
Type	FreeTextType						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	defaultText , alternateText*						
Children	alternateText, defaultText						
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>						

Element FacilityType / staffing

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
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Annotations	Staffing provides an indication of the staffing status and any needs or offers of this facility.				
Diagram					
Type	ResourceInformationType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	status , needs{0,1} , offers{0,1} , comment{0,1} , ext:extension*				
Children	comment, ext:extension, needs, offers, status				
Instance	<pre> <staffing xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:ext="urn:oasis:names:tc:emergency:edxl:extension" <status>{1,1}</status> <needs>{0,1}</needs> <offers>{0,1}</offers> <comment>{0,1}</comment> <ext:extension>{0,unbounded}</ext:extension> </staffing> </pre>				

Element FacilityType / emergencyDepartment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Report on the emergency department status for the organization.
Diagram	
Type	EmergencyDepartmentType

Properties	content: complex
	minOccurs: 0
Model	status , offloadInfo{0,1} , traffic{0,1} , triageCapacity{0,1}
Children	offloadInfo, status, traffic, triageCapacity
Instance	<pre><emergencyDepartment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <status>{1,1}</status> <offloadInfo>{0,1}</offloadInfo> <traffic>{0,1}</traffic> <triageCapacity>{0,1}</triageCapacity> </emergencyDepartment></pre>

Element EmergencyDepartmentType / status

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Status of the Emergency Department.
Diagram	
Type	StatusType
Properties	content: complex
	minOccurs: 1
Model	isOK , colourStatus{0,1} , stability{0,1} , comment{0,1}
Children	colourStatus, comment, isOK, stability
Instance	<pre><status xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <isOK>{1,1}</isOK> <colourStatus>{0,1}</colourStatus> <stability>{0,1}</stability> <comment>{0,1}</comment> </status></pre>

Element EmergencyDepartmentType / offloadInfo

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Information about the Offload state for various modes of transport (Ambulance, Air Ambulance).
Diagram	
Type	OffloadInfoType
Properties	content: complex

	minOccurs: 0
Model	offload+ , ext:extension*
Children	ext:extension, offload
Instance	<pre><offloadInfo xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:ext="urn:oasis:names:tc:emergency:edxl:ext:2.0"> <offload>{1,unbounded}</offload> <ext:extension>{0,unbounded}</ext:extension> </offloadInfo></pre>

Element OffloadInfoType / offload

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0						
Annotations	The particular offload mode, status, and other information for the facility.						
Diagram							
Type	OffloadType						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	kind , offloadMinutes , offloadState{0,1} , offloadColourCode{0,1} , comment{0,1}						
Children	comment, kind, offloadColourCode, offloadMinutes, offloadState						
Instance	<pre><offload xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <kind>{1,1}</kind> <offloadMinutes>{1,1}</offloadMinutes> <offloadState>{0,1}</offloadState> <offloadColourCode>{0,1}</offloadColourCode> <comment>{0,1}</comment> </offload></pre>						

Element OffloadType / kind

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Annotations	The mode of transport for offload (land, air, other).				
Diagram					
Type	OffloadKind				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>default:</td><td>land</td></tr> </table>	content:	simple	default:	land
content:	simple				
default:	land				

Facets	enumeration	land
	enumeration	air
	enumeration	other

Element **offloadType** / **offloadMinutes**

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0						
Annotations	Average offload time in minutes.						
Diagram							
Type	xs:integer						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						

Element **offloadType** / **offloadState**

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0						
Diagram							
Type	OffloadStateKind						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>default:</td><td>normal</td></tr> </table>	content:	simple	minOccurs:	0	default:	normal
content:	simple						
minOccurs:	0						
default:	normal						
Facets	<table> <tr> <td>enumeration</td><td>normal</td></tr> <tr> <td>enumeration</td><td>delayed</td></tr> </table>	enumeration	normal	enumeration	delayed		
enumeration	normal						
enumeration	delayed						

Element **offloadType** / **offloadColourCode**

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Diagram					
Type	ColourStatusType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	colourCode , statusDescription{0,1}				
Children	colourCode, statusDescription				
Instance	<pre><offloadColourCode xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <colourCode>{1,1}</colourCode> <statusDescription>{0,1}</statusDescription> </offloadColourCode></pre>				

Element OffloadType / comment

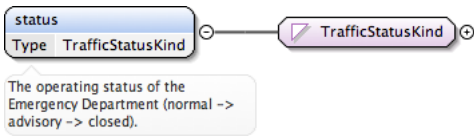
Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Diagram	
Type	FreeTextType
Properties	content: complex minOccurs: 0
Model	defaultText , alternateText*
Children	alternateText, defaultText
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>

Element EmergencyDepartmentType / traffic

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Ability of this emergency department to receive patients via emergency medical services.
Diagram	
Type	TrafficType
Properties	content: complex minOccurs: 0
Model	status , colourStatus , reason{0,1} , comment{0,1}
Children	colourStatus, comment, reason, status
Instance	<pre><traffic xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <status>{1,1}</status> <colourStatus>{1,1}</colourStatus> <reason>{0,1}</reason> <comment>{0,1}</comment> </traffic></pre>

Element TrafficType / status

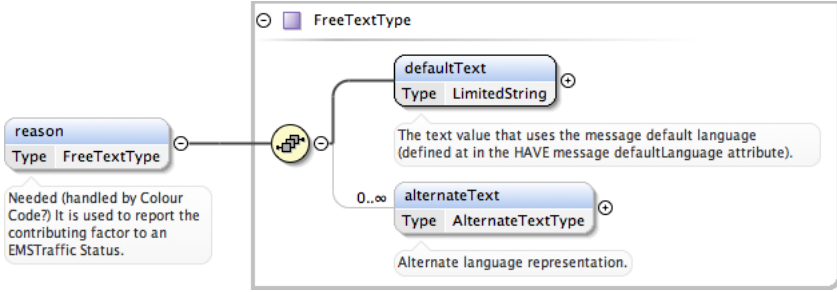
Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
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Annotations	The operating status of the Emergency Department (normal -> advisory -> closed).		
Diagram			
Type	TrafficStatusKind		
Properties	content:	simple	
Facets	enumeration	normal	Traffic is at levels that are within norms.
	enumeration	advisory	Traffic levels are high enough to warrant notifying the community that the facility is experiencing higher than expected traffic.
	enumeration	closed	Facility is not accepting patient traffic.

Element TrafficType / colourStatus

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Colour-code status for the Emergency Department.
Diagram	
Type	ColourStatusType
Properties	content: complex
Model	colourCode , statusDescription{0,1}
Children	colourCode, statusDescription
Instance	<pre><colourStatus xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <colourCode>{1,1}</colourCode> <statusDescription>{0,1}</statusDescription> </colourStatus></pre>

Element TrafficType / reason

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Annotations	Needed (handled by Colour Code?) It is used to report the contributing factor to an EMSTraffic Status.		
Diagram			
Type	FreeTextType		
Properties	content:	complex	
	minOccurs:	0	

Model	defaultText , alternateText*
Children	alternateText, defaultText
Instance	<pre><reason xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </reason></pre>

Element TrafficType / comment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Annotations	General comment/summary on the traffic status				
Diagram					
Type	FreeTextType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	defaultText , alternateText*				
Children	alternateText, defaultText				
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>				

Element EmergencyDepartmentType / triageCapacity

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Annotations	The number of each triage patient type the hospital can accept.				
Diagram					
Type	TriageCapacityType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	triageCount+				
Children	triageCount				
Instance	<pre><triageCapacity xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <triageCount>{1,unbounded}</triageCount> </triageCapacity></pre>				

Element TriageCapacityType / triageCount

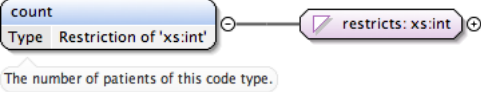
Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The Count for a particular triage level.

Diagram							
Type	TriageCountType						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	code , count , alternateCodeValue* , comment{0,1}						
Children	alternateCodeValue, code, comment, count						
Instance	<pre><trriageCount xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <code>{1,1}</code> <count>{1,1}</count> <alternateCodeValue>{0,unbounded}</alternateCodeValue> <comment>{0,1}</comment> </trriageCount></pre>						

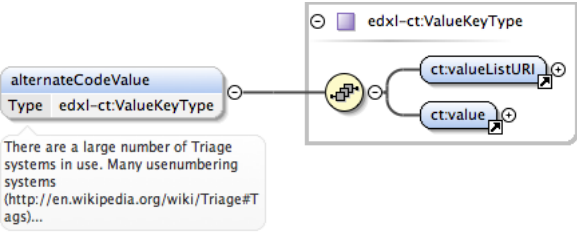
Element TriageCountType / code

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0																
Annotations	Triage Colour Codes (RED, YELLOW, GREEN, BLACK, none) for capacity purposes. The list of values must be from the list identified in TriageCodeListURN. Default Values - red: Number of victims with immediate needs - yellow: Number of victims with delayed needs - green: Number of victims with minor needs - black: Number of deceased victims. If a TriageCountType/code value is specified, a TriageCountType/count element must be specified.																
Diagram	<div><div>code</div><div>Type TriageColourCodeType</div><div>Triage Colour Codes (RED, YELLOW, GREEN, BLACK, none) for capacity purposes. The list of values must be from the list...</div></div>																
Type	TriageColourCodeType																
Type hierarchy	<ul style="list-style-type: none">xs:token<ul style="list-style-type: none">ct:EDXLStringType<ul style="list-style-type: none">TriageColourCodeType																
Properties	<table><tr><td>content:</td><td>simple</td></tr></table>	content:	simple														
content:	simple																
Facets	<table><tr><td>minLength</td><td>1</td></tr><tr><td>maxLength</td><td>1023</td></tr><tr><td>enumeration</td><td>red</td><td>RED Triage - Immediate attention for Triage.</td></tr><tr><td>enumeration</td><td>yellow</td><td>YELLOW Triage - Needs medical attention after RED/Immediate.</td></tr><tr><td>enumeration</td><td>green</td><td>GREEN Triage - Walking wounded or self-treatable</td></tr><tr><td>enumeration</td><td>black</td><td>BLACK Triage - Lost/Dead</td></tr></table>	minLength	1	maxLength	1023	enumeration	red	RED Triage - Immediate attention for Triage.	enumeration	yellow	YELLOW Triage - Needs medical attention after RED/Immediate.	enumeration	green	GREEN Triage - Walking wounded or self-treatable	enumeration	black	BLACK Triage - Lost/Dead
minLength	1																
maxLength	1023																
enumeration	red	RED Triage - Immediate attention for Triage.															
enumeration	yellow	YELLOW Triage - Needs medical attention after RED/Immediate.															
enumeration	green	GREEN Triage - Walking wounded or self-treatable															
enumeration	black	BLACK Triage - Lost/Dead															

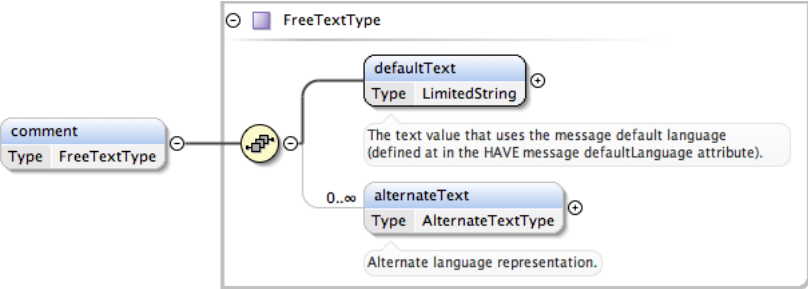
Element TriageCountType / count

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0	
Annotations	The number of patients of this code type.	
Diagram		
Type	restriction of xs:int	
Properties	content:	simple
Facets	minInclusive	0

Element TriageCountType / alternateCodeValue

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0	
Annotations	There are a large number of Triage systems in use. Many usenumbering systems (http://en.wikipedia.org/wiki/Triage#Tags) and colours. The premise of HAVE is that we will share the general state with the broad emergency management community who may not know the intimate details of a triage system, but understand the general concepts that RED=urgent, Green=walking wounded, Black=Dead/Lost (already dead or untreatable). The alternateCodeValues element is intended to be used by these systems. Providing the ValueListURI and Value will allow mapping of external systems to the base HAVE Triage colour codes.	
Diagram		
Type	ct:ValueKeyType	
Properties	content:	complex
	minOccurs:	0
	maxOccurs:	unbounded
Model	ct:valueListURI , ct:value	
Children	ct:value, ct:valueListURI	
Instance	<pre><alternateCodeValue xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:edxl-ct="urn:oasis:names:tc:emergency:edxl:ct:1.0"> <edxl-ct:valueListURI>{1,1}</edxl-ct:valueListURI> <edxl-ct:value>{1,1}</edxl-ct:value> </alternateCodeValue></pre>	

Element TriageCountType / comment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0	
Diagram		
Type	FreeTextType	
Properties	content:	complex
	minOccurs:	0
	maxOccurs:	1

Model	defaultText , alternateText*
Children	alternateText, defaultText
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>

Element FacilityType / traumaCenter

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Type of the trauma center for the organization.
Diagram	
Type	TraumaCenterType
Properties	content: complex minOccurs: 0
Model	(adult , pediatric{0,1})! pediatric
Children	adult, pediatric
Instance	<pre><traumaCenter xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <adult>{1,1}</adult> <pediatric>{0,1}</pediatric> <pediatric>{1,1}</pediatric> </traumaCenter></pre>

Element TraumaCenterType / adult

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Adult Trauma Services detail.
Diagram	
Type	TraumaCenterLevelType
Properties	content: complex

Model	serviceLevel , status , comment{0,1} , ext:extension*
Children	comment, ext:extension, serviceLevel, status
Instance	<pre><adult xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:ext="urn:oasis:names:tc:emergency:edxl:extension:1" <serviceLevel>{1,1}</serviceLevel> <status>{1,1}</status> <comment>{0,1}</comment> <ext:extension>{0,unbounded}</ext:extension> </adult></pre>

Element TraumaCenterLevelType / serviceLevel

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Annotations	Trauma Center Level - 1 through 3 (I through III) per American College of Surgeons. Beyond Level 3 there is no global standard but this is a good first approximation.		
Diagram	<div><div>serviceLevel</div><div>Type TraumaCenterLevelKind</div></div> <div>Trauma Center Level - 1 through 3 (I through III) per American College of Surgeons. Beyond Level 3 there is no global...</div> <div>TraumaCenterLevelKind</div>		
Type	TraumaCenterLevelKind		
Properties	content:	simple	
Facets	enumeration	level1	Level 1 Trauma Services
	enumeration	level2	Level 2 Trauma Services
	enumeration	level3	Level 3 Trauma Services
	enumeration	no-trauma	Level 4 Trauma Services

Element TraumaCenterLevelType / status

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The status of the Facility Trauma Center.
Diagram	
Type	StatusType
Properties	content: complex
Model	isOK , colourStatus{0,1} , stability{0,1} , comment{0,1}
Children	colourStatus, comment, isOK, stability
Instance	<pre><status xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <isOK>{1,1}</isOK> <colourStatus>{0,1}</colourStatus> <stability>{0,1}</stability> <comment>{0,1}</comment> </status></pre>

Element TraumaCenterLevelType / comment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
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Annotations	General comment/summary on the trauma center status						
Diagram							
Type	FreeTextType						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	defaultText , alternateText*						
Children	alternateText, defaultText						
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>						

Element TraumaCenterType / pediatric

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Annotations	Pediatric Trauma Center details.				
Diagram					
Type	TraumaCenterLevelType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	serviceLevel , status , comment{0,1} , ext:extension*				
Children	comment, ext:extension, serviceLevel, status				
Instance	<pre><pediatric xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0" xmlns:ext="urn:oasis:names:tc:emergency:edxl:extension"> <serviceLevel>{1,1}</serviceLevel> <status>{1,1}</status> <comment>{0,1}</comment> <ext:extension>{0,unbounded}</ext:extension> </pediatric></pre>				

Element FacilityType / comment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
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Diagram					
Type	FreeTextType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	defaultText , alternateText*				
Children	alternateText, defaultText				
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>				

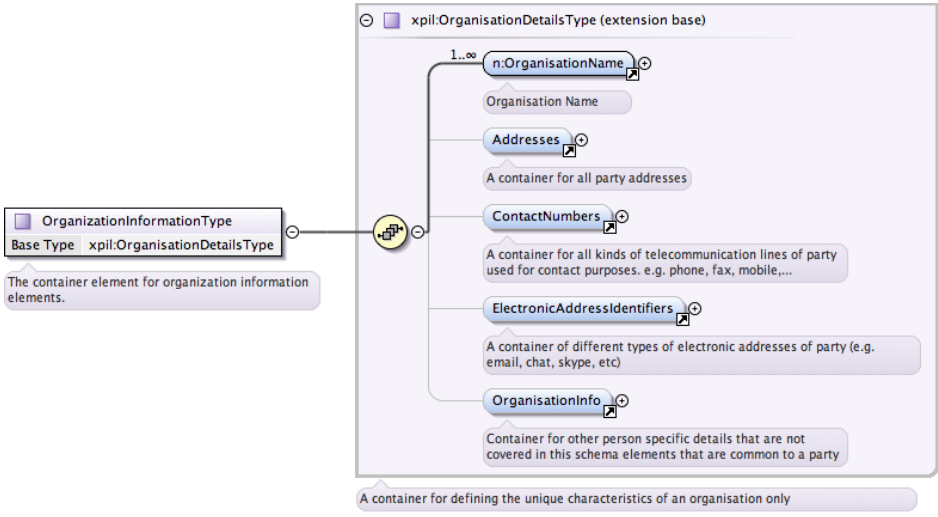
Element HAVE / comment

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0				
Annotations	Provides context to the HAVE report.				
Diagram					
Type	FreeTextType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	defaultText , alternateText*				
Children	alternateText, defaultText				
Instance	<pre><comment xmlns="urn:oasis:names:tc:emergency:edxl:have:2.0"> <defaultText>{1,1}</defaultText> <alternateText language="">{0,unbounded}</alternateText> </comment></pre>				

Complex Type(s)

Complex Type OrganizationInformationType

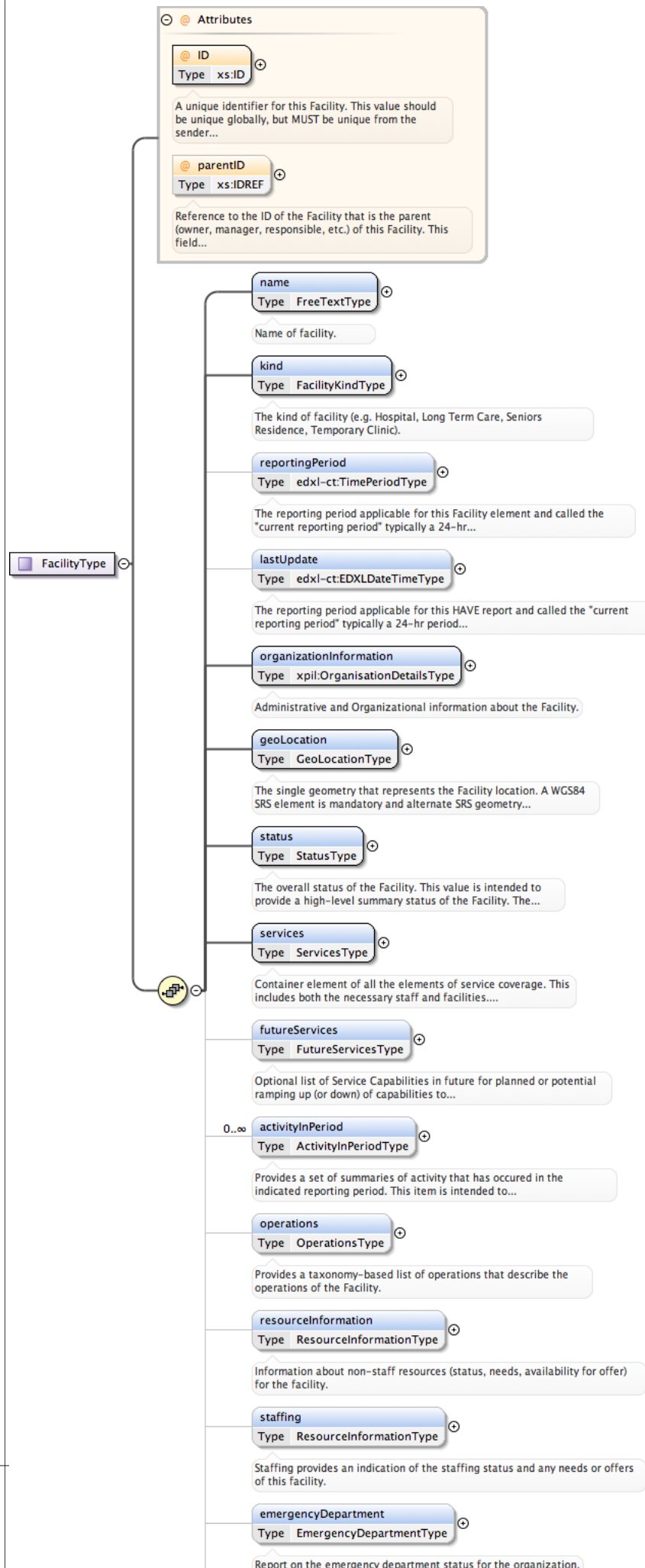
Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The container element for organization information elements.

Diagram	
Type	extension of OrganisationDetailsType
Type hierarchy	<ul style="list-style-type: none">• OrganisationDetailsType• OrganizationInformationType
Used by	Element HAVE/organizationInformation
Model	OrganisationName+ , Addresses{0,1} , ContactNumbers{0,1} , ElectronicAddressIdentifiers{0,1} , OrganisationInfo{0,1}
Children	Addresses, ContactNumbers, ElectronicAddressIdentifiers, OrganisationInfo, OrganisationName

Complex Type FacilityType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
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Diagram



Used by	Element HAVE/facility			
Model	name , kind , reportingPeriod{0,1} , lastUpdate{0,1} , organizationInformation , geoLocation , status , services , futureServices{0,1} , activityInPeriod* , operations{0,1} , resourceInformation{0,1} , staffing{0,1} , emergencyDepartment{0,1} , traumaCenter{0,1} , comment{0,1}			
Children	activityInPeriod, comment, emergencyDepartment, futureServices, geoLocation, kind, lastUpdate, name, operations, organizationInformation, reportingPeriod, resourceInformation, services, staffing, status, traumaCenter			
Attributes	QName	Type	Use	
	ID	xs:ID	required	
		A unique identifier for this Facility. This value should be unique globally, but MUST be unique from the sender perspective.		
	parentID	xs:IDREF	optional	
		Reference to the ID of the Facility that is the parent (owner, manager, responsible, etc.) of this Facility. This field is optional and used to provide a hierarchy for formal facility organizations.		

Complex Type FreeTextType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Diagram			
Used by	Elements	ActivityInPeriodType/comment, BedCapacityType/comment, ColourStatusType/statusDescription, FacilityType/comment, FacilityType/name, FutureServicesType/comment, HAVE/comment, OffloadType/comment, OperationType/comment, OperationType/name, OperationsType/comment, ResourceInformationType/comment, ResourceQuantityType/comments, ServiceType/comment, ServiceType/name, ServicesType/comment, StatusType/comment, TrafficType/comment, TrafficType/reason, TraumaCenterLevelType/comment, TriageCountType/comment	
Model	defaultText , alternateText*		
Children	alternateText, defaultText		

Complex Type AlternateTextType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Diagram			
Type	extension of LimitedString		
Type hierarchy	<ul style="list-style-type: none"> xs:string <ul style="list-style-type: none"> LimitedString <ul style="list-style-type: none"> AlternateTextType 		
Used by	Element	FreeTextType/alternateText	
Attributes	QName	Type	Use
	language	xs:string	required
		Language code for the text in this element. Code MUST comply with RFC3066.	

Complex Type GeoLocationType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Diagram	<p>The diagram shows the GeoLocationType complex type. It is a base type with two extensions: wgs84Location and geoLocationExtended. wgs84Location is an extension of 'edxl-gsf:EDXLGeoLocationType' and is used for WGS84 coordinates. geoLocationExtended is also an extension of 'edxl-gsf:EDXLGeoLocationType' and is used for non-WGS84 coordinates. The cardinality is 0..∞.</p>
Used by	Element FacilityType/geoLocation
Model	wgs84Location , geoLocationExtended*
Children	geoLocationExtended, wgs84Location

Complex Type StatusType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Complex Type to provide status information: OK (yes/no), colour code, Stability, and commentary.
Diagram	<p>The diagram shows the StatusType complex type. It is a base type with four children: isOK (Type xs:boolean), colourStatus (Type ColourStatusType), stability (Type StabilityType), and comment (Type FreeTextType). The cardinality is 1..1.</p>
Used by	Elements EmergencyDepartmentType/status, FacilityType/status, OperationType/status, ResourceInformationType/status, ServiceType/status, TraumaCenterLevelType/status
Model	isOK , colourStatus{0,1} , stability{0,1} , comment{0,1}
Children	colourStatus, comment, isOK, stability

Complex Type ColourStatusType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Type that allows the structured use of colour-codes to portray state.
Diagram	<p>The diagram shows the ColourStatusType complex type. It is a base type with two children: colourCode (Type ColourCodeDefaultType) and statusDescription (Type FreeTextType). The cardinality is 1..1.</p>
Used by	Elements OffloadType/offloadColourCode, StatusType/colourStatus, TrafficType/colourStatus
Model	colourCode , statusDescription{0,1}
Children	colourCode, statusDescription

Complex Type ServicesType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
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Diagram		
Used by	Element	FacilityType/services
Model	service+ , comment{0,1}	
Children	comment, service	

Complex Type ServiceType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0	
Annotations	Extensible Service Type for providing detail on a health Service that the Facility provides.	
Diagram		
Used by	Elements	FutureServicesType/service, ServicesType/service
Model	name , code , status , externalCode* , bedCapacity{0,1} , capacity{0,1} , comment{0,1} , ext:extension*	
Children	bedCapacity, capacity, code, comment, ext:extension, externalCode, name, status	

Complex Type BedCapacityType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0	
Annotations	Top level complex schema type defining bed capacity counts (available/baseline) given a specific type of bed.	

Diagram	
Used by	Element ServiceType/bedCapacity
Model	availableCount , baselineCount{0,1} , comment{0,1}
Children	availableCount, baselineCount, comment

Complex Type CapacityType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Extensible list (name/value pair) for Service capacity. See the HAVE 2.0 standard document for a suggested list of capacities.
Diagram	
Used by	Element ServiceType/capacity
Model	capacity , capacityURI{0,1}
Children	capacity, capacityURI

Complex Type FutureServicesType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Diagram	
Used by	Element FacilityType/futureServices
Model	service+ , comment{0,1}
Children	comment, service

Complex Type ActivityInPeriodType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	ActivityInPeriodType gathers information about the admissions, discharges, and deaths in a time period.

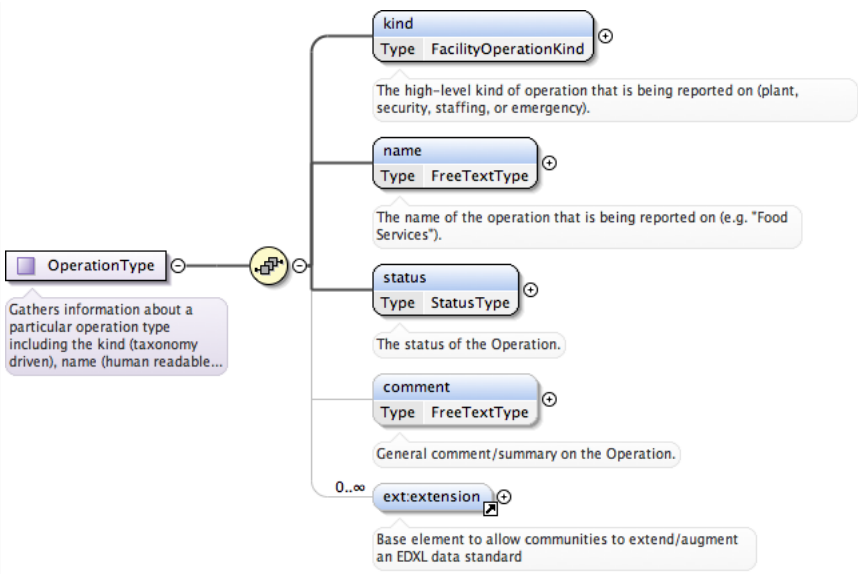
Diagram	
Used by	Element FacilityType/activityInPeriod
Model	reportingPeriod{0,1} , admissions , discharges , deaths , comment{0,1}
Children	admissions, comment, deaths, discharges, reportingPeriod

Complex Type OperationsType

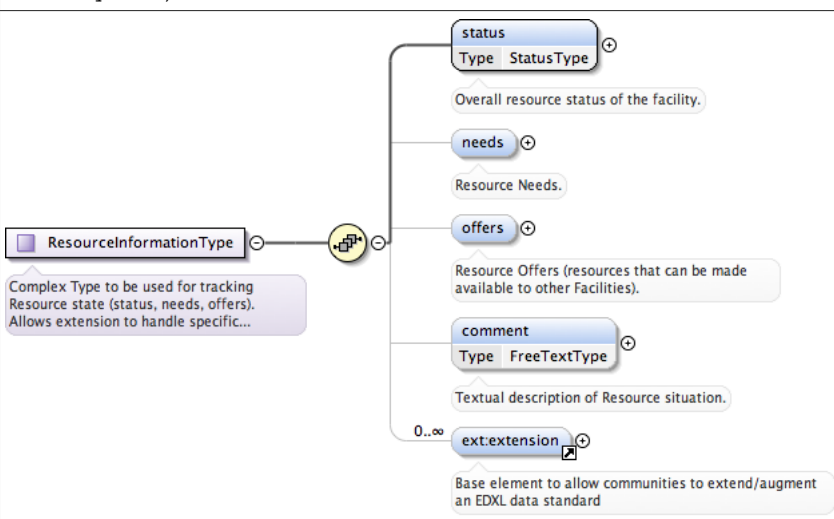
Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Diagram	
Used by	Element FacilityType/operations
Model	operation+ , comment{0,1}
Children	comment, operation

Complex Type OperationType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Gathers information about a particular operation type including the kind (taxonomy driven), name (human readable representations), status, and commentary.

Diagram	 <p>The diagram shows the structure of the OperationType element. It is a complex type that contains the following elements:</p> <ul style="list-style-type: none"> kind (Type: FacilityOperationKind): The high-level kind of operation that is being reported on (plant, security, staffing, or emergency). name (Type: FreeTextType): The name of the operation that is being reported on (e.g. "Food Services"). status (Type: StatusType): The status of the Operation. comment (Type: FreeTextType): General comment/summary on the Operation. ext:extension (Type: FreeTextType): Base element to allow communities to extend/augment an EDXL data standard. This element is optional and can occur 0 to infinity times. <p>The OperationType element is described as: "Gathers information about a particular operation type including the kind (taxonomy driven), name (human readable...)".</p>
Used by	Element OperationsType/operation
Model	kind , name , status , comment{0,1} , ext:extension*
Children	comment, ext:extension, kind, name, status

Complex Type ResourceInformationType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Complex Type to be used for tracking Resource state (status, needs, offers). Allows extension to handle specific information that is non-HAVE (e.g. NIEM payloads, lookups for interoperability with other systems).
Diagram	 <p>The diagram shows the structure of the ResourceInformationType element. It is a complex type that contains the following elements:</p> <ul style="list-style-type: none"> status (Type: StatusType): Overall resource status of the facility. needs (Type: FreeTextType): Resource Needs. offers (Type: FreeTextType): Resource Offers (resources that can be made available to other Facilities). comment (Type: FreeTextType): Textual description of Resource situation. ext:extension (Type: FreeTextType): Base element to allow communities to extend/augment an EDXL data standard. This element is optional and can occur 0 to infinity times. <p>The ResourceInformationType element is described as: "Complex Type to be used for tracking Resource state (status, needs, offers). Allows extension to handle specific...".</p>
Used by	Elements FacilityType/resourceInformation, FacilityType/staffing
Model	status , needs{0,1} , offers{0,1} , comment{0,1} , ext:extension*
Children	comment, ext:extension, needs, offers, status

Complex Type ResourceQuantityType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Type for stating a quantity of a particular kind of resource.

Diagram		
Used by	Elements	ResourceInformationType/needs/resourceNeed, ResourceInformationType/offers/resourceOffer
Model	resourceKind , quantity , resourceSize , comments{0,1}	
Children	comments, quantity, resourceKind, resourceSize	

Complex Type EmergencyDepartmentType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0	
Annotations	The container of all of the elements related to the emergency department status. It describes the ability of this emergency department to treat patients.	
Diagram		
Used by	Element	FacilityType/emergencyDepartment
Model	status , offloadInfo{0,1} , traffic{0,1} , triageCapacity{0,1}	
Children	offloadInfo, status, traffic, triageCapacity	

Complex Type OffloadInfoType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0	
Diagram		
Used by	Element	EmergencyDepartmentType/offloadInfo
Model	offload+ , ext:extension*	
Children	ext:extension, offload	

Complex Type **OffloadType**

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Indicator of offload times of ambulance capabilities. The time it takes to transfer care of a patient to hospital staff, thereby freeing the transport for assignment.
Diagram	
Used by	Element OffloadInfoType/offload
Model	kind , offloadMinutes , offloadState{0,1} , offloadColourCode{0,1} , comment{0,1}
Children	comment, kind, offloadColourCode, offloadMinutes, offloadState

Complex Type **TrafficType**

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Diagram	
Used by	Element EmergencyDepartmentType/traffic
Model	status , colourStatus , reason{0,1} , comment{0,1}
Children	colourStatus, comment, reason, status

Complex Type **TriageCapacityType**

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Diagram	
Used by	Element EmergencyDepartmentType/triageCapacity
Model	triageCount+
Children	triageCount

Complex Type TriageCountType

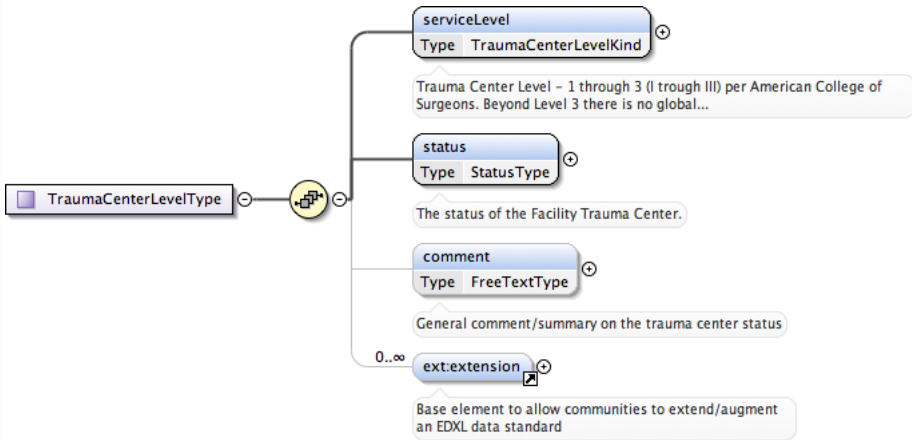
Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	The number of each triage patient type the overall hospital currently has by colour code.
Diagram	
Used by	Element TriageCapacityType/triageCount
Model	code , count , alternateCodeValue* , comment{0,1}
Children	alternateCodeValue, code, comment, count

Complex Type TraumaCenterType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
Annotations	Trauma Center Level of this facility. The Choice/Sequence approach used here allows for at least one of Adult or Pediatric Trauma Center Levels to be provided.
Diagram	
Used by	Element FacilityType/traumaCenter
Model	(adult , pediatric{0,1}) ! pediatric
Children	adult, pediatric

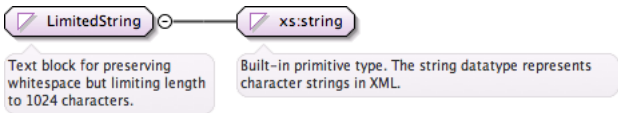
Complex Type TraumaCenterLevelType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0
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Diagram	
Used by	Elements TraumaCenterType/adult, TraumaCenterType/pediatric
Model	serviceLevel , status , comment{0,1} , ext:extension*
Children	comment, ext:extension, serviceLevel, status

Simple Type(s)

Simple Type LimitedString

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Annotations	Text block for preserving whitespace but limiting length to 1024 characters.		
Diagram			
Type	restriction of xs:string		
Facets	whiteSpace	preserve	
	maxLength	1024	
Used by	Element	FreeTextType/defaultText	
	Complex Type	AlternateTextType	

Simple Type FacilityKindType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Diagram			
Type	restriction of ct:EDXLStringType		
Type hierarchy	<ul style="list-style-type: none"> xs:token ct:EDXLStringType FacilityKindType 		
Facets	minLength	1	
	maxLength	1023	
	enumeration	hospital	
	enumeration	longTermCare	
	enumeration	urgentCareClinic	
	enumeration	temporaryFacility	
	enumeration	other	
Used by	Element	FacilityType/kind	

Simple Type ColourCodeDefaultType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Annotations	The use of colour codes allows for emergency personnel to understand if conditions are normal (green), deteriorating (yellow), or in an exceptional mode (red). Colour codes can be rendered graphically or through text to support visual impairments.		
Diagram	<p>The use of colour codes allows for emergency personnel to understand if conditions are normal (green), deteriorating...</p>		
Type	restriction of ct:EDXLStringType		
Type hierarchy	<ul style="list-style-type: none"> xs:token ct:EDXLStringType ColourCodeDefaultType 		
Facets	minLength	1	
	maxLength	1023	
	enumeration	red	RED - severe/extreme deviation from normal condition. Marks a noted exception from normal conditions.
	enumeration	yellow	YELLOW - moderate deviation from normal condition but not at SEVERE/EXTREME level.
	enumeration	green	GREEN - normal conditions.
Used by	Element	ColourStatusType/colourCode	

Simple Type StabilityType

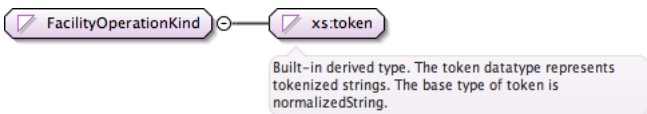
Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Annotations	Indication of stability - positive/improving, negative/deteriorating, or neutral/stable		
Diagram	<p>Indication of stability - positive/improving, negative/deteriorating, or neutral/stable</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	restriction of xs:string		
Facets	enumeration	stable	Stable/unchanging - conditions remain within norms and are not varying out of normal patterns.
	enumeration	improving	Conditions are improving towards normal.
	enumeration	deteriorating	Conditions are deviating negatively from normal.
Used by	Element	StatusType/stability	

Simple Type ServiceCodeDefaultType

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Diagram			
Type	restriction of ct:ValueType		
Type hierarchy	<ul style="list-style-type: none"> xs:string ct:ValueType ServiceCodeDefaultType 		
Facets	enumeration	airborneInfectionIsolation	
	enumeration	burnUnit	Burn Center services.
	enumeration	cardiology	Cardiology services.
	enumeration	cardiology.invasive	Cardiology with invasive capabilities.

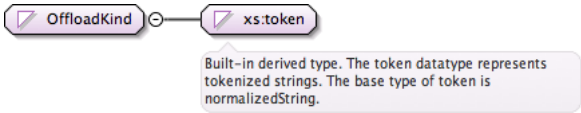
	enumeration	cardiology.noninvasive	Cardiology with NO invasive capabilities.
	enumeration	cardiologymi.STEMI	STEMI support
	enumeration	cardiologymi.nonSTEMI	NO STEMI support
	enumeration	cardiology.telemetry	For remote monitoring of cardiology telemetry data for patient.
	enumeration	dialysis	Dialysis services
	enumeration	emergencyDepartment	
	enumeration	hyperBaricChamber	Hyperbaric Chamber
	enumeration	infectiousDisease	Infectious Disease Services
	enumeration	intensiveCare.adult	Adult ICU services.
	enumeration	intensiveCare.neonatal	Neonatal Intensive Care Unit (ICU) services.
	enumeration	intensiveCare.pediatric	Pediatric Intensive Care Unit (ICU) services.
	enumeration	intermediateCare	For low-risk, chronically or critically ill patients
	enumeration	neonatology	Neonatology
	enumeration	neurology	Neurology Services
	enumeration	neurology.invasive	Neurology-Invasive services, including invasive catheterization.
	enumeration	neurology.noninvasive	Neurology-Non-Invasive services with no invasive catheterization capability.
	enumeration	obgyn	OBGYN services
	enumeration	obgyn.withLaborDelivery	OBGYN with labor delivery.
	enumeration	obgyn.withoutLaborDelivery	OBGYN without labor delivery capabilities.
	enumeration	operatingRooms	
	enumeration	ophthalmology	Ophthalmology services
	enumeration	orthopedic	Orthopedic services
	enumeration	pediatrics	Pediatric services
	enumeration	psychiatric	Psychiatric services
	enumeration	surgery	Surgery capabilities
	enumeration	surgery.adultGeneral	General Adult surgery capabilities
	enumeration	surgery.pediatrics	General Pediatric surgery capabilities
	enumeration	surgery.orthopedics	Orthopedic surgery capabilities
	enumeration	surgery.neurosurgery	Neurosurgery capabilities
	enumeration	surgery.facial	Facial surgery capabilities
	enumeration	surgery.cardiothoracic	Cardiothoracic surgery capabilities
	enumeration	surgery.hand	Hand surgery capabilities
	enumeration	surgery.reimplantation	Reimplantation surgery capabilities.
	enumeration	surgery.spinal	Spinal surgery capabilities
	enumeration	surgery.vascular	Vascular surgery capabilities
	enumeration	surgery.anesthesia	Anesthesia services
	enumeration	traumaCenter	Trauma Center
Used by	Element	ServiceType/code	

Simple Type FacilityOperationKind

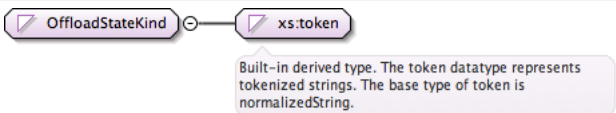
Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Diagram			
Type	restriction of xs:token		
Facets	enumeration	plant	Plant - the key equipment and capabilities needed to operate the facility (e.g. HVAC, cafeteria).

	enumeration	security	Security operations for facility (e.g. patrol, surveillance).
	enumeration	staffing	Staff-related operations (e.g. medical personnel, support staffing, administrative).
	enumeration	emergency	Emergency Department operations.
Used by	Element	OperationType/kind	

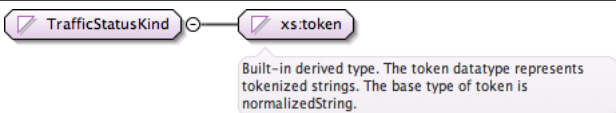
Simple Type **OffloadKind**

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Diagram			
Type	restriction of xs:token		
Facets	enumeration	land	
	enumeration	air	
	enumeration	other	
Used by	Element	OffloadType/kind	

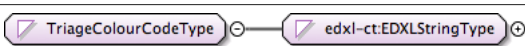
Simple Type **OffloadStateKind**

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Diagram			
Type	restriction of xs:token		
Facets	enumeration	normal	
	enumeration	delayed	
Used by	Element	OffloadType/offloadState	

Simple Type **TrafficStatusKind**


Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Diagram			
Type	restriction of xs:token		
Facets	enumeration	normal	Traffic is at levels that are within norms.
	enumeration	advisory	Traffic levels are high enough to warrant notifying the community that the facility is experiencing higher than expected traffic.
	enumeration	closed	Facility is not accepting patient traffic.
Used by	Element	TrafficType/status	

Simple Type **TriageColourCodeType**

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Diagram			
Type	restriction of ct:EDXLStringType		
Type hierarchy	<ul style="list-style-type: none"> xs:token 		

	<ul style="list-style-type: none">ct:EDXLStringTypeTriageColourCodeType		
Facets	minLength	1	
	maxLength	1023	
	enumeration	red	RED Triage - Immediate attention for Triage.
	enumeration	yellow	YELLOW Triage - Needs medical attention after RED/Immediate.
	enumeration	green	GREEN Triage - Walking wounded or self-treatable
	enumeration	black	BLACK Triage - Lost/Dead
Used by	Element	TriageCountType/code	

Simple Type TraumaCenterLevelKind

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Diagram			
Type	restriction of xs:token		
Facets	enumeration	level1	Level 1 Trauma Services
	enumeration	level2	Level 2 Trauma Services
	enumeration	level3	Level 3 Trauma Services
	enumeration	no-trauma	Level 4 Trauma Services
Used by	Element	TraumaCenterLevelType/serviceLevel	

Attribute(s)

Attribute AlternateTextType / @language

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Annotations	Language code for the text in this element. Code MUST comply with RFC3066.		
Type	xs:string		
Properties	use:	required	
Used by	Complex Type	AlternateTextType	

Attribute GeoLocationType / wgs84Location / @srsName

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Properties	use:	required	
	fixed:	http://www.opengis.net/def/crs/EPSG/0/4326	
Used by	Element	GeoLocationType/wgs84Location	

Attribute GeoLocationType / geoLocationExtended / @srsName

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Properties	use:	required	
Used by	Element	GeoLocationType/geoLocationExtended	

Attribute FacilityType / @ID

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0		
Annotations	A unique identifier for this Facility. This value should be unique globally, but MUST be unique from the sender perspective.		

Type	xs:ID	
Properties	use:	required
Used by	Complex Type	FacilityType

Attribute **FacilityType** / **@parentID**

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0	
Annotations	Reference to the ID of the Facility that is the parent (owner, manager, responsible, etc.) of this Facility. This field is optional and used to provide a hierarchy for formal facility organizations.	
Type	xs:IDREF	
Properties	content:	simple
Used by	Complex Type	FacilityType

Attribute **HAVE** / **@defaultLanguage**

Namespace	urn:oasis:names:tc:emergency:edxl:have:2.0	
Annotations	Language code that is used throughout the document. Code MUST comply with RFC3066. Free text within the document will be assumed to be in this defaultLanguage.	
Type	xs:string	
Properties	use:	required
Used by	Element	HAVE