**EMSR V1 - KMEHR Messages
Cookbook
Version 3.1**

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1. Document Management

1.1 Document history

Version	Date	Author	Description of changes / remarks
	....	SMALS	.....
2.15	07/08/2020	SMALS	DN number added for the ones missing in chapter 5.3, added PlaceCodeV2
3.0	25/03/2021	SMALS	p.134: interventionTeamAvailable replaced with interventionteamfullyavailable
			p.84: sp02asapplicableflag -> spo2asapplicableflag
			p.85: sp02AhApplicableFlag -> spo2AhApplicableFlag
			p.135: added 5.4.12.10 placeCode Manifestation flag
			p.136: added 5.4.12.11 placeCode Specific Residence
			p.12 : added <!30 patientFirstName-->
			p.13: completed the information for 5.2.2 Patient address country code
			p.39: chapter 5.2.11.5 and 5.2.11.7 deleted (doubles)
			p.36 : added <!--31.20 invoicing.abroadFreeText-->
			p.44: guidanceFlag-> guidanceflag
			p.34: deleted empty chapter Clinical results appearance pr
			p.33-34 added chapter 5.3.10.14 Clinical results appearance pr
			p.34: clinical status, added kmehr info
			p.92: added 5.3.29.4.3 Blood Pressure AS Applicable flag
			p.93 : added 5.3.29.4.6 Blood Pressure DS Applicable flag
			p.48: if patient address abroad flag moved to Patient
			p.48: 5.2.13 guidance Flag added info
			p.28: chapter "If Patient address abroad flag" and "If (Inter hospital transport flag is set to false) or (Patient address abroad flag" deleted
			p.28: delete chapter
			If (Inter hospital transport flag is set to false) or (Patient address abroad flag
			Patient locality code (two times)
			p.33: same as p.28, multiple times
			p.54: same as p.28, multiple times
			p.55: set example in color themes for hospital site AS
			p.55: Hospital abroad flag added correct comments

				p.55: change title emplacement Hospital abroad text and add information
				p.56: same as p.28, multiple times
				p.131: same as p.28, multiple times
				p.131: corrected Fatal outcome arrival hospital flag information
				p.96 delete chapter blood pressure
				p.95-113 : correct trauma chapter
				p.13 : remove fluorescent marker from <text L="en">Rue François Stroobant 6</text>
				p.11: upgraded patient 5.1.1 to patient 5.2, same for the paragraphs under patient
				global corrections:
				delete the word "if" from the chapter headings
				change part 1, 2 and 3 to part A, part B and SDS
				p.10: change intro
				Comments: hospital site identification sheet is not present anymore
				p.22: fluorescent marker removed
				p.26: 5.3.10.3 Patient locality code deleted
				p.21: 5.3.4.11 Handover address locality code deleted
				p.21: 5.3.4.11 Handover address foreign address-> "be" became "BE"
				p.21: SV="1.0">be</cd> <!--5.2.8.1 handoverAddressCountryCode-->
				p.31 -32: enhance the definitions where necessary
				p.37: enhance definition invoicing foreign address
				p.37: deleted chapter 5.3.11.6 Invoicing address
				p.41: delete chapter 5.3.12.3 Site address locality code
				p.42: enhance definition
				p.46-100: enhance definition
				p.47-74: enhance structure
				p.52: 5.3.21.3 Hospital site AS (authentic source) deleted
				p.74: effort AS code, should be AS applicable flag not DS applicable flag
				p.75: applicable flags where moved to the beginning of the chapter, more logical
				p.76: departure, not arrival of the site for DS value
				p.83: sp02DS: at departure of the site
				p.113: 5.3.40 Personal protective equipment used flag definition enhanced.
				p.115: corrected the definition of 5.3.42.4 staffMember2Qualification
				p.117: 5.3.42.7 staffMember3Qualification

			p.67-69: corrected scale value: from 0 to 10 not 1 to 10
			p.121 -138: added headings for reinforcements, coord team alert, timings and other sds data
			p.55: 5.3.23 CO measurement value definition changed
			p.17: 5.3.4.1 Inter hospital transport flag became mandatory
3.1	02/04/2024	SMALS	Added value constraints to the temperature fields: • temperatureas • temperatureds • temperatureah

2. Purpose of this document

This document describes the KMEHR message of EMSR web service as offered to actors in the medical sector.
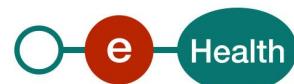
This document is complementary with the cookbook explaining the different SOAP messages used with the system.

Only the methods that need to transfer medical info will be converted to the KMEHR format and only the conversion to the KMEHR format is described in this document.

In the SOAP messages, the KMEHR message will be sent within 1 tag and the folder of the KMEHR message will be encrypted with the public key (available in the ETK-depot) of the recipient.

Messages sent to the system must be encrypted with the public key of the Federal Public Service of Health specific for the application "EMSR". See the Publication Cookbook for a detailed explanation about End-to-End Encryption.

When a party has different keys, the requestor can specify which ETK should be used to encrypt the response message.

3. Type

3.1 Multiple choice question

There are two different multiple-choice questions. The first one is a normal one with only one possible response from a set of proposition. The second one is a power set; it is a multiple-choice question where more than one response can be chosen from the set of possible response.

3.1.1 Normal multiple-choice

A normal multiple choice will use an "id" tag. The id tag will have an attribute "SL" with the related enumeration of answer and the number of the answer. For example for diagnostic therapeutic code, it will look like:

```
<content>
    <id S="LOCAL" SL="ID-diagnostictherapeuticcode" SV="1.0">1</id>
</content>
```

3.1.2 Power set

The power set will use a "text" tag and will accept free text. Set into this free text all reference to the response chosen separated by comma, it will look like:

```
<content>
    <text L="EN">
        1,3,2,5
    </text>
</content>
```

3.2 Date question

A question with a date will have a "content" tag and a "date" tag as follow:

```
<content>
    <date>2016-08-13</date>
</content>
```

3.3 Time question

A question with a time will have a "content" tag and a "time" tag as follow:

```
<content>
    <time>09:30:47+05:00</time>
</content>
```

3.4 Boolean question

A question with a boolean will have a "content" tag and a "boolean" tag as follow:

```
<content>
     <boolean>false</boolean>
</content>
```

3.5 Decimal question

A question with a decimal will have a "content" tag and a "decimal" tag as follow:

```
<content>
     <decimal>1.1</decimal>
</content>
```

4. Header
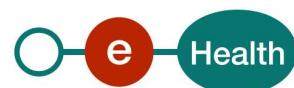
The header has to be on the top of every KMEHR message.

The sender of a message will be an ambulance service when publishing a sheet and the tag "hcparty" will contain the value "persambulancefirstaid", which means that the health care party is a person ambulance first aid.

The recipient will be the EMSR system and thus the tag "hcparty" will contain the value "EMSR".

When doing a consultation, everything is inverted.

```xml
<header>
    <standard>
        <cd S="CD-STANDARD" SV="1.0">20090101</cd>
    </standard>
    <id S="ID-KMEHR" SV="1.0">1</id>
    <date>2016-08-13</date>
    <time>09:30:47+05:00</time>
    <sender>
        <hcparty>
            <id S="ID-HCPARTY" SV="1.0">1</id>
            <cd S="CD-HCPARTY" SV="1.9">persambulancefirstaid</cd>
        </hcparty>
    </sender>
    <recipient>
        <hcparty>
            <cd S="LOCAL" SL="CD-EMSR" SV="1.0">emsr</cd>
        </hcparty>
    </recipient>
</header>
```

5. Folder

The root element Folder contains three children:

- Id : the id of the KMEHR message
- Patient : the patient concerned by this declaration
- Transaction: transaction contains all data of part A and/or B and SDS data.

The transaction part SDS will have nodes with the same or equivalent names as part A or B, but the difference is that the information in the part SDS comes from the emergency centres while the information in part A/B are provided by the ambulance services.

5.1 Id

The Id indicated in the KMEHR can only contain integer and decimal values, examples:

```
<id S="ID-KMEHR" SV="1.0">1</id>

<id S="ID-KMEHR" SV="1.0">30</id>

<id S="ID-KMEHR" SV="1.0">1.564</id>
```

5.2 Patient

This tag contains all the data about the patient concerned by the message. The house number (field 31.9) can be up to 255 characters long, as for the post box (field 31.10) it can be up to 10 characters long.
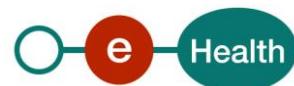
If the id of the patient is not yet known at the beginning of the intervention (part A), id '999999999' (11 nines) has to be filled in. For birthdate this is '9999-12-31'. The post box number field is optional. When information that was not available during the registration of part A becomes available, it must then be sent to complete the sheet (part B).

For all textual data where the information is not yet available (in part A), value 'unknown' has to be filled in. When information becomes available (part B) must then be sent.

When calling GetSheet, and only part A has been filled in, patient information filled in part A is returned. If part B is added, patient information from part B (exclusively) is returned in GetSheetResponse, as this is supposed to be more complete.

Thus, when 'pushing' the different parts, always send as much valid data available of the patient.

```
<patient>
    <id S="INSS" SV="1.0">65406506540</id>
    <!—29.1 patientNationalNumber-->
    <firstname>String</firstname>
    <!--30 patientFirstName-->
    <familyname>String</familyname>
    <!--29.2 patientName-->
    <birthdate>
        <date>2016-08-13</date>
        <!--32.1 patientDob-->
    </birthdate>
```

```xml
    <sex>
        <cd S="CD-SEX" SV="1.0">male</cd>
        <!--33 patientSexCode-->
    </sex>
    <address>
        <cd S="CD-ADDRESS" SV="1.1">home</cd>
        <country>
            <cd S="CD-FED-COUNTRY" SV="1.0">be</cd>
            <!--31.4.1 patientAddressCountryCode-->
        </country>
        <zip>1000</zip>
        <!--31.5 patientZipCode-->
        <city>Brussels</city>
        <!--31.6 patientLocality-->
        <street>Good Street</street>
        <!--31.8 patientStreet-->
        <housenumber>1</housenumber>
        <!--31.9 patientStreetNo-->
        <postboxnumber>1</postboxnumber>
        <!--31.10 patientbox-->
    </address>
</patient>
```

5.2.1 Patient age

This indicates the patient age. Only present in the export.

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">6</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="32.2 patientAge"
L="en">patientage</cd>
    <content>
        <unsignedInt>1</unsignedInt>
    </content>
</item>
```
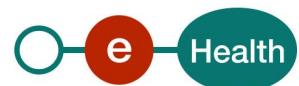
5.2.2 Patient address country code

This indicates the country of the patient.

Information and possible values:

2 character country abbreviations according to ISO 3166-1, DEFAULT = BE

```xml
<patient>
    <address>
        <country>
            <cd S="CD-FED-COUNTRY" SV="1.0">be</cd>
            <!--31.4.1 patientAddressCountryCode-->
        </country>
    </address>
</patient>
```

5.2.3   Patient foreign address free text

If the "country code" is different from "be", then this can hold the foreign address information.

<u>Information and possible values:</u>

Max 255 characters.

```xml
<patient>
    <id S="INSS" SV="1.0">65406506540</id>
    <firstname>String</firstname>
    <!--30 patientFirstName-->
    <familyname>String</familyname>
    <!--29.2 patientName-->
    <birthdate>
        <date>2016-08-13</date>
        <!--32.1 patientDob-->
    </birthdate>
    <sex>
        <cd S="CD-SEX" SV="1.0">male</cd>
        <!--33 patientSexCode-->
    </sex>
    <address>
        <cd S="CD-ADDRESS" SV="1.1">home</cd>
        <text L="en">Rue François Stroobant 6</text>
    </address>
</patient>
```

5.3 Transaction part A and B

This section contains all variables of part A and B

5.3.1   Preliminary information

Id of the KMEHR message. Represent the part, can be 1, 2 or 3:

```
<id S="ID-KMEHR" SV="1.0">1</id>
```

Represent the part, can be "ambulanceinterventionpart1", "ambulanceinterventionpart2" or
"ambulanceinterventionpart3":

```
<cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Urgency intervention by an
ambulance (Part I)" L="en">ambulanceinterventionpart1</cd>
```

Transaction type (primary or interhospital):

```
<cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Transaction type (primary or
interhospital)" L="en">interhospital</c>
```

Sending date and time:

```
<date>2016-08-13</date>

<time>09:30:47+05:00</time>
```

Author information:

- INAMI/RIZIV number in 8 digits of the ambulance service
- Ambulance service

```
<author>

    <hcparty>

            <id S="ID-HCPARTY" SV="1.0">16543213</id>

            <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Ambulance Service"
L="en">ambulanceservice</cd>

    </hcparty>

</author>
```

Integrity information:

```
<iscomplete>true</iscomplete>

<isvalidated>true</isvalidated>
```

5.3.2   Team identification
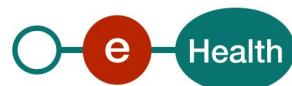
This is the unique identification number of the team in 9 characters.

<u>Information and possible values:</u>

Old structure: Alphanumerical string MPAAAAXXX where M= Medical intervention, P = the province code,
AAAA= name of the service, XXX = number of the team in this service.

New structure: Alphanumerical string TPCCCCXXS where

- T = type of intervention (A for ambulance)
- P = Province

- CCCC = 4 lettres of the city
- XX = two digits to differentiate teams of the same permanence
- S = A or B. Used when a permanence have two departure places

For example: AAANTW09A

```xml
<item>
     <id S="ID-KMEHR" SV="1.0">2</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="3 teamIdentification"
L="en">teamidentification</cd>
     <content>
           <text L="EN">MAHOBO101</text>
     </content>
</item>
```

5.3.3   Licence plate

The licence plate of the intervening ambulance.

<u>Information and possible values:</u>

The licence plate is an alphanumeric field with max. 9 characters long (including the '–' sign). It is a mandatory field.

```xml
<item>
     <id S="ID-KMEHR" SV="1.0">3</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="3.2 licenceplate"
L="en">licenceplate</cd>
     <content>
           <text L="EN">1-ASZ-101</text>
     </content>
</item>
```

5.3.4   Mission identification

This identifies the event that caused the alerting of one or more emergency health services. This field is optional when registering part 1 of the sheet.

<u>Information and possible values:</u>

The mission identification has to be 11 long.

```xml
<item>
     <id S="ID-KMEHR" SV="1.0">3</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="4.1 missionIdentification"
L="en">missionidentification</cd>
     <content>
           <text L="EN">10123456789</text>
```

```
        </content>
    </item>
```

5.3.4.1 Inter hospital transport flag

This indicates whether the ambulance is used for the transport of a patient between 2 sites. This field is mandatory.

Information and possible values:

- FALSE (no transport between 2 hospital sites; DEFAULT value)
- TRUE

```
<item>
    <id S="ID-KMEHR" SV="1.0">4</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="4.2
interHospitalTransportFlag" L="en">interhospitaltransportflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```

5.3.4.2 Hospital patient departure code

This indicates the hospital site where the patient stands at the beginning of the intervention.

Information and possible values:

String of 15 characters. This field can be found in the sheet 'site numbers hospitals'.

```
<item>
    <id S="ID-KMEHR" SV="1.0">5</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="4.3
hospitalPatientDepartureCode" L="en">hospitalpatientdeparturecode</cd>
    <content>
        <text L="EN">10123456789</text>
    </content>
</item>
```

5.3.4.3 Hospital patient departure site authentic source

This indicates the code of the authentic source used to identify the site code 4.3.

Information and possible values:

String of 15 characters, corresponds with the region (= authentic source). This field can be found in the sheet 'site numbers hospitals'.

```
<item>
    <id S="ID-KMEHR" SV="1.0">5</id>
```

```
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="4.3.1
hospitalPatientDepartureSiteAs"
L="en">hospitalpatientdeparturesiteas</cd>
        <content>
                <text L="EN">10123456789</text>
        </content>
</item>
```

5.3.4.4   Hospital patient departure abroad flag

This indicates whether the hospital where the patient stands at begin of the intervention is abroad.

Information and possible values:

- TRUE (departure hospital is abroad)
- FALSE (departure hospital is not abroad; DEFAULT value)

```
<item>
        <id S="ID-KMEHR" SV="1.0">6</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="4.4
hospitalPatientDepartureAbroadFlag"
L="en">hospitalpatientdepartureabroadflag</cd>
        <content>
                <boolean>false</boolean>
        </content>
</item>
```

5.3.4.5   Hospital patient departure abroad text

This is the description of the field above.

```
<item>
        <id S="ID-KMEHR" SV="1.0">7</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="4.5
hospitalPatientDepartureAbroadText"
L="en">hospitalpatientdepartureabroadtext</cd>
        <content>
                <text L="EN">Description, comment</text>
        </content>
</item>
```

5.3.4.6   Partial transport flag

This indicates whether there was a hand-over of patient by the team during the transport.

Information and possible values:

- TRUE (hand-over present)
- FALSE (no hand-over ; DEFAULT value)

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">8</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="5.1 partialTransportFlag"
L="en">partialtransportflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```

5.3.4.7 Partial transport from hospital flag

This indicates whether there was a transport from a hospital towards a hand-over address or from a hand-over address towards a hospital.

Information and possible values:

- TRUE (transport from hospital towards handover address)
- FALSE (transport from hand-over address to hospital)

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">8</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="5.1.1
partialTransportFromHospitalFlag " L="en">
partialtransportfromhospitalflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```

5.3.4.8 Handover address

The house number (field 5.2.6) can be up to 255 characters long.

```xml
<heading> <!-- Handover -->
    <id S="ID-KMEHR" SV="1.0">9</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Address of the place where
the handover took place" L="en">handoveraddress</cd>
    <item>
        <id S="ID-KMEHR" SV="1.0">1</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0"
DN="HandoverAddressCountryCode" L="en">handoveraddress</cd>
        <content>
            <location>
                <address>
                    <cd S="CD-ADDRESS" SV="1.1">other</cd>
```

```xml
                        <country>
                            <cd S="CD-FED-COUNTRY"
SV="1.0">BE</cd> <!--5.2.8.1 handoverAddressCountryCode-->
                        </country>
                        <zip></zip> <!--5.2.2
handoverAddressZipCode-->
                        <city></city> <!--5.2.3
handoverAddressLocality-->
                        <street></street> <!--5.2.5
handoverAddressStreet-->
                        <housenumber></housenumber> <!--5.2.6
handoverAddressStreetNo-->
                    </address>
                </location>
            </content>
        </item>
</heading>
```

5.3.4.9   Handover address abroad flag

This indicates whether the hand-over address is abroad.

Information and possible values:

- FALSE (site address in Belgium ; DEFAULT value)
- TRUE (site address abroad)

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">521</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="5.2.1
handoverAddressAbroadFlag" L="en">handoveraddressabroadflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```

5.3.4.10   Handover address country code

This indicates the country of the handover address (see 5.3.4.8   Handover address).

Information and possible values:
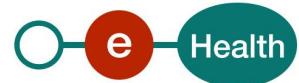
2 character country abbreviations according to ISO 3166-1, DEFAULT = BE.

5.3.4.11   Handover address foreign address

If the "country code" is different from "BE", then you can use <text> element to fill in the foreign address information.

Information and possible values:

Max 255 characters.

```
<heading> <!-- Handover -->
     <id S="ID-KMEHR" SV="1.0">9</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Address of the place where
the handover took place" L="en">handoveraddress</cd>
     <item>
          <id S="ID-KMEHR" SV="1.0">1</id>
          <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="HandoverAddress"
L="en">handoveraddress</cd>
          <content>
               <location>
                    <address>
                         <cd S="CD-ADDRESS" SV="1.1">other</cd>
                         <text L="en">Rue François Stroobant 6</text>
                    </address>
               </location>
          </content>
     </item>
</heading>
```

5.3.4.12   *Handover address other address*

If the address does not fit a standard address format, then use <text> element to fill in this information.

Information and possible values:

Max 255 characters.

```
<heading> <!-- Handover -->
     <id S="ID-KMEHR" SV="1.0">9</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Address of the place where
the handover took place" L="en">handoveraddress</cd>
     <item>
          <id S="ID-KMEHR" SV="1.0">1</id>
          <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="HandoverAddress"
L="en">handoveraddress</cd>
          <content>
               <location>
                    <address>
                         <cd S="CD-ADDRESS" SV="1.1">other</cd>
                         <text L="en">Rue François Stroobant 6</text>
                    </address>
               </location>
          </content>
     </item>
```

```
</heading>
```

5.3.5   Record number

This is the sheet number. It consists of max 20 characters.

```
<item>
     <id S="ID-KMEHR" SV="1.0">10</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="6 recordNumber"
L="en">recordnumber</cd>
     <content>
          <text L="EN">azerty</text>
     </content>
</item>
```

5.3.6   Reason code interhosp

If Inter hospital transport flag is set to true, this mandatory field indicates the reason of the urgent interhospital transport.

Information and possible values:

1. For diagnostic / therapeutic reasons ;
2. Retransfer ;
3. Relation problem doctor-patient-family ;
4. Distance between hospital and home of patient or family ;
5. Patient known in other hospital.
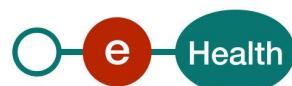
```
<item>
     <id S="ID-KMEHR" SV="1.0">14</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="9.2 reasonCodeInterhosp"
L="en">reasoncodeinterhosp</cd>
     <content>
          <id S="LOCAL" SL="ID-reasoncodeinterhosp" SV="1.0" >5</id>
     </content>
</item>
```

5.3.7   Diagnostic therapeutic code

If Reason code interhospital is set to 1 then a diagnostic therapeutic code have to be specified.

Information and possible values:

1. Forced admission in psychiatry ;
2. New born and premature ;
3. Specific technical infrastructure or technical expertise ;
4. Problems with capacity;
5. Other.

```
<item>

     <id S="ID-KMEHR" SV="1.0">15</id>

     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="9.3
diagnosticTherapeuticCode" L="en">diagnostictherapeuticcode</cd>

     <content>

          <id S="LOCAL" SL="ID-diagnostictherapeuticcode"
SV="1.0">5</id>

     </content>

</item>
```

5.3.8   PatientAccessTime

This indicates the time needed to reach the patient after arrival on site with ambulance. This field is optional.

Information and possible values:

1. Immediately
2. < 15 min
3. > = 15 min and < 30 min
4. >= 30 min

```
<item>

     <id S="ID-KMEHR" SV="1.0">25</id>

     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="20.2 PatientAccessTime"
L="en">patientaccesstime</cd>

     <content>

          <id S="LOCAL" SL="ID-patientaccesstime" SV="1.0" >4</id>

     </content>

</item>
```

5.3.9   New call before arrival Base Flag

This indicates whether a new intervention started before the arrival at the quarter.

Information and possible values:

- TRUE
- FALSE (no new intervention started; DEFAULT)

```
<item>

     <id S="ID-KMEHR" SV="1.0">241</id>

     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="24.1
newcallbeforearrivalBaseFlag
" L="en">newcallbeforearrivalbaseflag </cd>

     <content>

          <boolean>false</boolean>

     </content>
```

```
    </item>
```

5.3.10   Patient

Patient related information.

```
<heading> <!-- Patient -->
     <id S="ID-KMEHR" SV="1.0">26</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="patient"
L="en">patient</cd>
     <text L="EN">Patient related information</text>
     ……
</heading>
```

All the following fields in chapter 5.3.10 Patient are children of this heading.

5.3.10.1   Patient intervention addr flag

This specifies whether the address of the patient is the intervention address.

Information and possible values:

- TRUE (patient address is the same as intervention address)
- FALSE (patient address is not the same as intervention address; DEFAULT value)

```
<item>
     <id S="ID-KMEHR" SV="1.0">3</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="31.1
patientInterventionAddrFlag" L="en">patientInterventionaddrflag</cd>
     <content>
          <boolean>false</boolean>
     </content>
</item>
```

5.3.10.2   Patient address abroad flag

This indicates whether the patient address is abroad.

Information and possible values:

- FALSE (site address in Belgium ; DEFAULT value)
- TRUE (site address abroad)

```
<item>
     <id S="ID-KMEHR" SV="1.0">1</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="31.4
patientAddressAbroadFlag" L="en">patientaddressabroadflag</cd>
     <content>
          <boolean>false</boolean>
```

```
        </content>

    </item>
```

5.3.10.3   Transport flag

This indicates whether the patient was transported.

Information and possible values:

- TRUE (patient transported)
- FALSE (patient not transported)

```
<item>

        <id S="ID-KMEHR" SV="1.0">7</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="40.2 transportFlag"
L="en">transportflag</cd>

        <content>

                <boolean>false</boolean>

        </content>

</item>
```

5.3.10.4   Reason no transport

This specifies the reason why the patient was not transported to the hospital.

Information and possible values:

1. Mission cancelled
2. False (malicious) call
3. No patient
4. Patient already left site
5. No transport needed
6. Transport refused
7. Patient deceased
8. Transport by other means
9. Transition towards out of service
10. Double registration

```
<item>

        <id S="ID-KMEHR" SV="1.0">8</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="44 reasonNoTransport"
L="en"> reasonnotransport</cd>

        <content>

                <id S="LOCAL" SL="ID-reasonnotransport" SV="1.0" >8</id>

        </content>

</item>
```

5.3.10.5   Anamnesis complaint pr

Information and possible values:

1. Airway obstruction
2. Respiratory difficulties
3. External bleeding
4. Vomiting blood or haemoptysis
5. Diminution of consciousness
6. Convulsions
7. Syncope
8. Agitation, excitement, behavioural disturbances
9. Mental crisis including aggression or suicide threat
10. Diabetes problem
11. Pain
12. Sudden headache
13. Chest pain / thorax pain
14. Sudden abdominal pain / back pain
15. Loss of strength / functional loss in limbs
16. Deterioration of general health including multiple problems
17. Problem relating to pregnancy and delivery
18. Unclear problem
19. Hypothermia
20. Heat stroke
21. Other (free text field)

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">9</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="45.1 anamnesisComplaintPr" L="en">anamnesiscomplaintpr</cd>
    <content>
        <text L="EN">1,2,3</text>
    </content>
</item>
```

5.3.10.6   Anamnesis complaint pr free text

In case Anamnesis complaint pr is set to 21, then a free text can be entered in this variable.

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">10</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="45.2 anamnesisComplaintPrFreeText" L="en">anamnesiscomplaintprfreetext</cd>
    <content>
        <text L="EN"></text>
    </content>
</item>
```

5.3.10.7 Problem trigger transfer free text

In case of Inter hospital transport flag is set to true, then in this variable a free text can be entered explaining the present problem or reason for transfer.

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">11</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="45.3
problemtriggertransferFreeText" L="en">
problemtriggertransferfreetext</cd>
    <content>
        <text L="EN"></text>
    </content>
</item>
```

5.3.10.8 Anamnesis history

What medical problems were already present in the history of the patient?

Mark all known relevant antecedents in the list below:
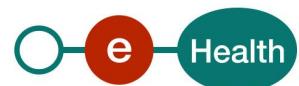
Information and possible values:

1. Allergy
2. Dementia / Mental disability
3. Diabetes
4. Cardiovascular diseases
5. Hypertension
6. Kidney failure
7. Pulmonary disease
8. Psychiatric problems / Substance abuse
9. Morbid obesity
10. Neurological disease (central nervous system, peripheral nervous system + muscles)
11. Motor disability
12. Oncological disease
13. Other (free text field)

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">12</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="46.1 anamnesisHistory"
L="en">anamnesishistory</cd>
    <content>
        <text L="EN">1,2,3</text>
    </content>
</item>
```

5.3.10.9 Anamnesis history free text

In case Anamnesis history is set to 13, then a free text can be entered in this variable.

```
<item>

    <id S="ID-KMEHR" SV="1.0">13</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="46.3
anamnesisHistoryFreeText" L="en">anamnesishistoryfreetext</cd>

    <content>

        <text L="EN"></text>

    </content>

</item>
```

5.3.10.10   Anamnesis external cause flag

This indicates whether there was an external cause or not.

Information and possible values:

- TRUE
- FALSE (no external cause)

```
<item>

    <id S="ID-KMEHR" SV="1.0">14</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="47
anamnesisExternalCauseFlag" L="en">anamnesisexternalcauseflag</cd>

    <content>

        <boolean>false</boolean>

    </content>

</item>
```

5.3.10.11   Anamnesis external cause

Multiple values can be entered defining the possible external cause.

Information and possible values:

1. Road traffic or transport accident
2. Sports accident
3. Fall
4. Injury inflicted by animals
5. Injury inflicted by plants
6. Exposure to radiation, chemicals (solid, liquid, gas, vapour, ...), electric current and/or thermal energy (including lightning)
7. Fire and/or explosion
8. Interpersonal violence, physical / sexual aggression, neglect
9. Suicide and/or self-mutilation
10. Physical impact due to other cause
11. Drowning (including near drowning) or diving accident
12. Suffocation / choking
13. Hanging / strangulation
14. Alcohol intoxication

15. Intoxication by medication
16. Intoxication by illegal drugs
17. CO intoxication
18. Other intoxication
19. Other (free text)

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">15</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="48.1
anamnesisExternalCause" L="en">anamnesisexternalcause</cd>
        <content>
                <text L="EN">1,2,3</text>
        </content>
</item>
```
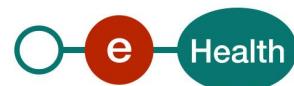
5.3.10.12   Anamnesis serious fall flag

The Anamnesis serious fall flag indicates whether the fall was from a relatively high attitude or not when the item Anamnesis external cause was set to 3.

Information and possible values:
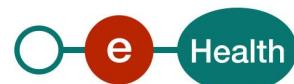
- TRUE (Fall >= 3m)
- FALSE (Fall < 3 m)

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">16</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="48.2
anamnesisSeriousFallFlag" L="en">anamnesisseriousfallflag</cd>
        <content>
                <boolean>false</boolean>
        </content>
</item>
```

5.3.10.13   Anamnesis external cause free text

Anamnesis external cause free text allows a free text description when Anamnesis external cause is set to 19.

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">17</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="48.3
anamnesisExternalCauseFreeText"
L="en">anamnesisexternalcausefreetext</cd>
        <content>
                <text L="EN"></text>
        </content>
</item>
```

5.3.10.14   Clinical results appearance pr

This field is optional.

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">18</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="49.1
clinicalresultsappearancePr" L="en">clinicalresultsappearancepr</cd>
    <content>
        <text L="EN">1,2,3</text>
    </content>
</item>
```

Information and possible values:

1. Pale
2. Clammy / sweaty
3. Glowing hot / red
4. Cyanotic
5. Abnormal skin colour or other skin anomalies
6. Agitated / aggressive / hysteric / restless / apathic
7. Convulsions
8. Signs of shock
9. FAST signs: face / arm / speech
10. Abnormal position
11. Motoric deficit / paralysis
12. Swollen abdomen
13. Vomiting
14. Pregnant
15. Dying
16. Deceased
17. No particular signs nor abnormalities

5.3.10.15   Clinical status

This field is optional.

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">203</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="49.2 clinicalstatus"
L="en">clinicalstatus</cd>
    <content>
        <text L="EN">1,2,3</text>
    </content>
</item>
```

Information and possible values:

1. Breathing difficulties
2. Pale
3. Blood loss
4. Clammy / sweaty
5. Glowing hot / red
6. Cyanotic
7. Abnormal skin colour or other skin anomalies
8. Agitated / aggressive / hysteric / restless / apathy / decreased consciousness
9. Convulsions
10. Signs of shock
11. Pain
12. FAST signs: face / arm / speech
13. Abnormal position
14. Loss of power or functions in limbs
15. Swollen abdomen
16. Vomiting
17. Pregnancy
18. Unclear problem and/or multiple non specific generalized complaints and/or symptoms
19. Dying
20. No particular signs nor abnormalities

```xml
<item>

    <id S="ID-KMEHR" SV="1.0">19</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="49.2 clinicalStatus"
L="en">clinicalStatus</cd>

    <content>

        <text L="EN">1,2,3</text>

    </content>

</item>
```

5.3.11   Invoicing

```xml
<heading> <!-- Invoicing -->
    <id S="ID-KMEHR" SV="1.0">27</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Invoicing">invoicing</cd>

    <text L="EN">Invoicing related information</text>

    ……
</heading>
```

All the following fields in chapter 5.3.11 Invoicing are children of this heading.

5.3.11.1   Invoicing address

Address of invoicing.

Information and possible values:

Max 255 characters.

```
<item>
      <id S="ID-KMEHR" SV="1.0">4</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="31.0 Invoicing address"
L="en">invoicingaddress</cd>
      <content>
            <location>
                  <address>
                        <cd S="CD-ADDRESS" SV="1.1">other</cd>
                        <text L="EN"> Rue François Stroobant 6</text>
                        <!--31.20 invoicing.abroadFreeText-->
                  </address>
            </location>
      </content>
</item>
```

5.3.11.2   Invoicing address patient address flag

This indicates if the invoicing address is different from the patient address.

Information and possible values:

- TRUE (invoicing address is the same as patient address)
- FALSE (invoicing address is not the same as patient address; DEFAULT value)

```
<item>
      <id S="ID-KMEHR" SV="1.0">1</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="31.11
invoicingAddressPatientAddressFlag"
L="en">invoicingaddresspatientaddressflag</cd>
      <content>
            <boolean>false</boolean>
      </content>
</item>
```

5.3.11.3   Invoicing abroad flag

This indicates whether the hand-over address is abroad.

Information and possible values:

- FALSE (site address in Belgium ; DEFAULT value)
- TRUE (site address abroad)

```
<item>
      <id S="ID-KMEHR" SV="1.0">1</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="31.19 invoicingAbroadFlag"
L="en">invoicingabroadflag</cd>
```

```
        <content>
                <boolean>false</boolean>
        </content>
</item>
```

5.3.11.4 Name

```
<item>
        <id S="ID-KMEHR" SV="1.0">2</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="31.12 name"
L="en">name</cd>
        <content>
                <text L="EN"></text>
        </content>
</item>
```

5.3.11.5 First name

```
<item>
        <id S="ID-KMEHR" SV="1.0">3</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="31.13 firstName"
L="en">firstname</cd>
        <content>
                <text L="EN"></text>
        </content>
</item>
```

5.3.11.6 Invoicing foreign address

When the "country code" is different from "be", the <text> element can be used to fill in the foreign address information.

Information and possible values:

Max 255 characters.

```
<item>
        <id S="ID-KMEHR" SV="1.0">4</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="31.0 Invoicing address"
L="en">invoicingaddress</cd>
        <content>
                <location>
                        <address>
                                <cd S="CD-ADDRESS" SV="1.1">other</cd>
                                <text L="EN"> Rue François Stroobant 6</text>
                        </address>
```
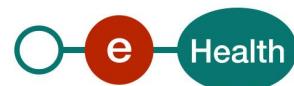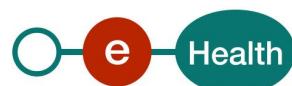
```
        </location>
    </content>
</item>
```

The address is the invoicing address and not the patient address when the "invoicing address patient address flag" was set to false.

The house number (field 31.15) can be up to 255 characters long, as for the post box (optional field 31.18) it can be up to 10 characters long.

```
<item>
    <id S="ID-KMEHR" SV="1.0">4</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="31.0 Invoicing address"
L="en">invoicingaddress</cd>
    <content>
        <location>
            <address>
                <cd S="CD-ADDRESS" SV="1.1">other</cd>
                <country>
                    <cd S="CD-FED-COUNTRY" SV="1.0">BE</cd> <!--
31.19 countryCode-->
                </country>
                <zip>1000</zip> <!--31.16 invoicing.ZipCode-->
                <city>azerty</city> <!--31.17 invoicing.Locality--
>
                <street>test</street> <!--31.14 invoicing.Street--
>
                <housenumber>10</housenumber> <!--31.15
invoicing.Streetno-->
                <postboxnumber>B</postboxnumber> <!--31.18
invoicing.box-->
            </address>
        </location>
    </content>
</item>
```
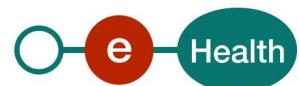
5.3.11.7   Invoicing country code

This indicates the country of the invoicing address.

Information and possible values:

Two characters country abbreviations according to ISO 3166-1, DEFAULT = BE

5.3.12   Intervention Address

Address of the place where the intervention took place. The post box is an optional field.

The house number (field 28.6) can be up to 255 characters long, as for the post box (field 28.7) it can be up to 10 characters long.

```xml
<heading> <!-- Intervention Address -->
      <id S="ID-KMEHR" SV="1.0">36</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Address of the place where
the intervention took place" L="en">siteaddress</cd>
      <item>
            <id S="ID-KMEHR" SV="1.0">1</id>
            <cd S="CD-ITEM" SV="1.8">encounterlocation</cd>
            <content>
                  <location>
                        <address>
                              <cd S="CD-ADDRESS" SV="1.1">other</cd>
                              <country>
                                    <cd S="CD-FED-COUNTRY"
SV="1.0">be</cd> <!--28.1 siteAddressCountryCode-->
                              </country>
                              <zip>1000</zip> <!--28.2 siteAddressZipCode-
->
                              <city>Brussels</city> <!--28.3
siteAddressLocality-->
                              <street>Good Street</street> <!--28.5
siteAddressStreet-->
                              <housenumber>1</housenumber> <!--28.6
siteAddressStreetNo-->
                              <postboxnumber>1</postboxnumber> <!--28.7
siteAddressBox-->
                        </address>
                  </location>
            </content>
      </item>
      …
</heading>
```

5.3.12.1   Site address abroad flag
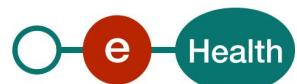
This indicates whether the site is abroad.

Information and possible values:

- FALSE (site address in Belgium ; DEFAULT value)
- TRUE (site address abroad)

```xml
<item>
      <id S="ID-KMEHR" SV="1.0">281</id>
```

```
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="28.1 siteAddressAbroadFlag"
L="en">siteaddressabroadflag</cd>

        <content>

            <boolean>false</boolean>

        </content>

</item>
```

5.3.12.2 Site address country code

This indicates the country of the site address.

<u>Information and possible values:</u>

2 character country abbreviations according to ISO 3166-1, DEFAULT = BE

5.3.12.3 Site address foreign address

If Site address country code is different from "be" then you can use <text> element to fill in the foreign site address.

```
<heading> <!-- Intervention Address -->

     <id S="ID-KMEHR" SV="1.0">36</id>

     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Address of the place where
the intervention took place" L="en">siteaddress</cd>

     <item>

          <id S="ID-KMEHR" SV="1.0">1</id>

          <cd S="CD-ITEM" SV="1.8">encounterlocation</cd>

          <content>

               <location>

                    <address>

                         <cd S="CD-ADDRESS" SV="1.1">other</cd>

                         <text L="en">Rue François Stroobant 6</text>

                    </address>

               </location>

          </content>

     </item>

     …

</heading>
```

5.3.12.4 Site address other address

If the address does not fit a standard address format, then use <text> element to fill in this information.

```
<heading> <!-- Intervention Address -->

     <id S="ID-KMEHR" SV="1.0">36</id>

     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Address of the place where
the intervention took place" L="en">siteaddress</cd>
```

```
        <item>
                <id S="ID-KMEHR" SV="1.0">1</id>
                <cd S="CD-ITEM" SV="1.8">encounterlocation</cd>
                <content>
                        <location>
                                <address>
                                        <cd S="CD-ADDRESS" SV="1.1">other</cd>
                                        <text L="en">Rue François Stroobant 6</text>
                                </address>
                        </location>
                </content>
        </item>
        …
</heading>
```

5.3.12.5   Site address Highway Code

The Belgian (A12) or European code (E42) of the Highway. The combination of this code with the Site address km will allow the system to calculate a Site address locality code (code used by the SPF Health and is not present in the kmehr).

```
<item>
      <id S="ID-KMEHR" SV="1.0">5</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="28.10
siteAddressHighwayCode" L="en">siteaddresshighwaycode</cd>
      <content>
              <text L="EN">test</text>
      </content>
</item>
```
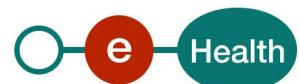
5.3.12.6   Site address km

This indicates the nearest kilometre marker in decimal format in the neighbourhood of the intervention place. Example: 8.3

```
<item>
      <id S="ID-KMEHR" SV="1.0">6</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="28.11 siteAddressKm"
L="en">siteaddresskm</cd>
      <content>
              <decimal>1.1</decimal>
      </content>
</item>
```

5.3.12.7   Site address x coord WGS84

X coordinate of site location.

```xml
<item>
      <id S="ID-KMEHR" SV="1.0">7</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="28.13
siteAddressxCoordWGS84" L="en">siteaddressxcoordwgs84</cd>
      <content>
            <decimal>1.1</decimal>
      </content>
</item>
```

5.3.12.8   Site address y coord WGS84

Y coordinate of site location.

```xml
<item>
      <id S="ID-KMEHR" SV="1.0">8</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="28.14
siteAddressyCoordWGS84" L="en">siteaddressycoordwgs84</cd>
      <content>
            <decimal>1.1</decimal>
      </content>
</item>
```

5.3.13   Guidance flag

In case that the patient.transportFlag was set to true, it indicates whether there was guidance of the unit by MUG/SMUR.

```xml
<item>
      <id S="ID-KMEHR" SV="1.0">50</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="40.3 guidanceflag"
L="en">guidanceflag</cd>
      <content>
            <boolean>false</boolean>
      </content>
</item>
```

5.3.14   Kilometre Index

```xml
<heading> <!-- Kilometer Index -->
      <id S="ID-KMEHR" SV="1.0">37</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Kilometer index"
L="en">kmindex</cd>
```

```
        …
</heading>
```

All the following fields in chapter 5.3.14 Kilometer index are children of this heading.

5.3.14.1   Start Point

This indicates the value of the milometer at the time the ambulance was alerted (in kilometres).

```
<item>
        <id S="ID-KMEHR" SV="1.0">1</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="34 startpoint"
L="en">startpoint</cd>
        <content>
                <unsignedInt>1</unsignedInt>
        </content>
</item>
```

5.3.14.2   End Point
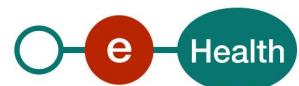
This indicates the value of the milometer at the time the ambulance is back on the departure site or, if New call before arrival Base Flag is set to true, again alerted (in kilometres).

```
<item>
        <id S="ID-KMEHR" SV="1.0">2</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="35 endpoint"
L="en">endpoint</cd>
        <content>
                <unsignedInt>1</unsignedInt>
        </content>
</item>
```

5.3.14.3   Distance

This indicates the difference between the endpoint and the start point (in kilometres).

```
<item>
        <id S="ID-KMEHR" SV="1.0">3</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="36 distance"
L="en">distance</cd>
        <content>
                <unsignedInt>1</unsignedInt>
        </content>
</item>
```

5.3.15   Referring doctor flag

This indicates whether there was a referring doctor or not. This field is mandatory if the interhospital transport flag is false, forbidden otherwise.

Information and possible values:

- FALSE (no referring doctor)
- TRUE

```
<item>
     <id S="ID-KMEHR" SV="1.0">38</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="38.1 referringDoctorFlag"
L="en">referringdoctorflag</cd>
     <content>
          <boolean>false</boolean>
     </content>
</item>
```

5.3.16   Referring doctor location code pr

If Referring doctor flag is set to true and Inter hospital transport flag is set to false, this indicates whether referring doctor has been or was on site at arrival of the unit.

Information and possible values:

1. On site
2. Not on site
3. Left
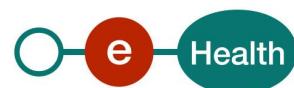
```
<item>
     <id S="ID-KMEHR" SV="1.0">39</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="38.2
referringDoctorLocationCodePr" L="en">referringdoctorlocationcodepr</cd>
     <content>
          <id S="LOCAL" SL="ID-referringdoctorlocationcodepr" SV="1.0"
>3</id>
     </content>
</item>
```

5.3.17   Interhospital handover code

This optional field indicates who did the handover of the patient to the ambulance team. Multiple values can be entered, but 4 cannot be part of a combination.

Information and possible values:

1. Doctor
2. Nurse
3. Other
4. Nobody

```
<item>

    <id S="ID-KMEHR" SV="1.0">40</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="38.3
interhospitalHandoverCode" L="en">interhospitalhandovercode</cd>

    <content>

     <text L="EN">

        1,3,2

      </text>


    </content>

</item>
```

5.3.18 Interhospital handover family flag

Optional field that indicates whether family of the patient was present during handover.

<u>Information and possible values:</u>

- FALSE (family not present)
- TRUE (family present)

```
<item>

    <id S="ID-KMEHR" SV="1.0">41</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="38.4
interhospitalHandoverFamilyFlag"
L="en">interhospitalhandoverfamilyflag</cd>

    <content>

            <boolean>false</boolean>

    </content>

</item>
```
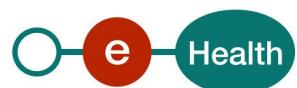
5.3.19 Objects with patient transmitted

When Inter hospital transport flag was set to true, it indicates the objects transported together with the patient. Multiple values can be entered, except for 7.

<u>Information and possible values:</u>

1. Doctor's referral
2. Administrative patient data
3. Patient health record
4. Medical imaging
5. Personal belongings
6. Other
7. None

```xml
<item>

        <id S="ID-KMEHR" SV="1.0">42</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="38.5
objectsWithPatientTransmitted" L="en">objectswithpatienttransmitted</cd>

        <content>

                <text L="EN">1,2,3</text>

        </content>

</item>
```

5.3.20   Reinforcements

Heading reinforcements:

```xml
<heading> <!-- Reinforcements -->

        <id S="ID-KMEHR" SV="1.0">51</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Reinforcements"
L="en">reinforcements</cd>

        …

</heading>
```

All the following fields in chapter 5.3.20 Reinforcements are children of this heading.

5.3.20.1   *Reinforcement asked flag*

This indicates whether one or more reinforcement units were asked. This field is mandatory if the interhospital transport flag is false, forbidden otherwise.

Information and possible values:

- FALSE (no reinforcement unit; DEFAULT value)
- TRUE (one or more reinforcement units participated)

```xml
<item>

        <id S="ID-KMEHR" SV="1.0">43</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="39.1
reinforcementAskedFlag" L="en">reinforcementaskedflag</cd>

        <content>

                <boolean>false</boolean>

        </content>

</item>
```

5.3.20.2   *Reinforcement MUG reasons*

The reinforcement mug reasons can be filled in when "Reinforcement asked flag" is set to true and it indicates the reason(s) why one or more MUGs were asked as reinforcement. Multiples values are possible.

Information and possible values:

1. Several patients
2. Protect surroundings & traffic security

3. Assistance family to or witness
4. Control of patient (without transport)
5. Specific aid
6. Other

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">44</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="39.15
reinforcementMUGReasons" L="en">reinforcementmugreasons</cd>
    <content>
        <text L="EN">1,2,3</text>
    </content>
</item>
```

5.3.20.3   Reinforcement PIT reasons

The reinforcement PIT reasons can be filled in when "Reinforcement asked flag" is set to true and it indicates the reason(s) why one or more PITs were asked as reinforcement. Multiples values are possible.

Information and possible values:

1. Several patients
2. Protect surroundings & traffic security
3. Assistance family to or witness
4. Control of patient (without transport)
5. Specific aid
6. Other

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">45</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="39.16
reinforcementPITReasons" L="en">reinforcementpitreasons</cd>
    <content>
        <text L="EN">1,2,3</text>
    </content>
</item>
```

5.3.20.4   Reinforcement AMB reasons

The reinforcement AMB reasons can be filled in when "Reinforcement asked flag" is set to true and it indicates the reason(s) why one or more AMB were asked as reinforcement. Multiples values are possible.

Information and possible values:

1. Several patients
2. Protect surroundings & traffic security
3. Assistance family to or witness
4. Control of patient (without transport)
5. Specific aid
6. Other

```
<item>
      <id S="ID-KMEHR" SV="1.0">46</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="39.17
reinforcementAmbReasons" L="en">reinforcementambreasons</cd>
      <content>
            <text L="EN">1,2,3</text>
      </content>
</item>
```

5.3.20.5   Reinforcement GP reasons

The reinforcement GPs reasons can be filled in when "Reinforcement asked flag" is set to true and it indicates the reason(s) why one or more GPs were asked as reinforcement. Multiples values are possible.

Information and possible values:

1. Several patients
2. Protect surroundings & traffic security
3. Assistance family to or witness
4. Control of patient (without transport)
5. Specific aid
6. Other

```
<item>
      <id S="ID-KMEHR" SV="1.0">47</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="39.18
reinforcementGPReasons" L="en">reinforcementgpreasons</cd>
      <content>
            <text L="EN">1,2,3</text>
      </content>
</item>
```

5.3.20.6   Reinforcement fire service reasons

The reinforcement fire service reasons can be filled in when "Reinforcement asked flag" is set to true and it indicates the reason(s) why one or more fire services were asked as reinforcement. Multiples values are possible.

Information and possible values:

1. Several patients
2. Protect surroundings & traffic security
3. Assistance family to or witness
4. Control of patient (without transport)
5. Specific aid
6. Other

```
<item>

        <id S="ID-KMEHR" SV="1.0">48</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="39.19
reinforcementFireserviceReasons"
L="en">reinforcementfireservicereasons</cd>

        <content>

                <text L="EN">1,2,3</text>

        </content>

</item>
```

5.3.20.7 Reinforcement police reasons

The reinforcement police reasons can be filled in when "Reinforcement asked flag" is set to true and it indicates the reason(s) why one or more police officers were asked as reinforcement. Multiples values are possible.

Information and possible values:

1. Several patients
2. Protect surroundings & traffic security
3. Assistance family to or witness
4. Control of patient (without transport)
5. Specific aid
6. Other

```
<item>

        <id S="ID-KMEHR" SV="1.0">49</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="39.20
reinforcementPoliceReasons" L="en">reinforcementpolicereasons</cd>

        <content>

                <text L="EN">1,2,3</text>

        </content>

</item>
```
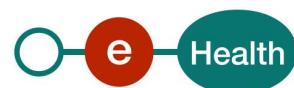
5.3.21 Transport

5.3.21.1 Hospital Code

Hospital code indicates the Belgian hospital site and is mandatory when the transport flag is set to true. When this field is filled in, the variable 41.2 "transport hospital abroad Flag" becomes FALSE.

Information and possible values:

String of 15 characters. The hospital codes can be found on the website of the FPS Public Health[1].

---

[1] *https://www.health.belgium.be/nl/richtlijnen-ambureg*

```xml
<item>
     <id S="ID-KMEHR" SV="1.0">1</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="41.1 hospitalCode"
L="en">hospitalcode</cd>
     <content>
          <text L="EN">11231242352</text>
     </content>
</item>
```

5.3.21.2   Hospital site AS (authentic source)

This indicates the code of the authentic source used to identify the site code 41.1.

Information and possible values:

String of 15 characters. The hospital site AS values can be found onthe website of the FPS Public Health[2].

```xml
<item>
     <id S="ID-KMEHR" SV="1.0">1</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="41.1.1 hospitalSiteAs"
L="en">hospitalsiteas</cd>
     <content>
          <text L="EN">11231242352</text>
     </content>
</item>
```

5.3.21.3   Hospital abroad flag

```xml
<item>
     <id S="ID-KMEHR" SV="1.0">2</id>
     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="41.2 hospitalAbroadFlag"
L="en">hospitalabroadflag</cd>
     <content>
          <boolean>false</boolean>
     </content>
</item>
```

When Hospital abroad flag is set to true, it indicates that the hospital is located abroad.

5.3.21.4   Hospital abroad text

In case of transporthospitalabroadFlag = TRUE, indicates the name of the hospital abroad.

```xml
<item>
     <id S="ID-KMEHR" SV="1.0">3</id>
```

---

[2] *https://www.health.belgium.be/nl/richtlijnen-ambureg*

```
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="41.3 hospitalAbroadText"
L="en">hospitalabroadtext</cd>

        <content>

              <text L="EN"></text>

        </content>

</item>
```

5.3.21.5   Hospital choice code pr

When transport flag is set to true, inter hospital transport flag is set to false and guidance Flag = FALSE, it indicates why the patient was transported to the mentioned hospital. If Guidance flag is set to True, this field is not applicable.

Information and possible values:

1. The nearest suitable hospital / Region Agreement
2. Another hospital due to lack of room
3. Another hospital on physician demand or on control room 112/100 demand
4. Other reason than reasons 1, 2 or 3

```
<item>

        <id S="ID-KMEHR" SV="1.0">4</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="42.1 hospitalChoiceCodePr"
L="en">hospitalchoicecodepr</cd>

        <content>

              <id S="LOCAL" SL="ID-hospitalchoicecodepr" SV="1.0" >4</id>

        </content>

</item>
```

5.3.22   CO measurement flag

This indicates whether the co was measured.

Information and possible values:

*   TRUE (CO measured)
*   FALSE (CO not measured)

```
<item>

        <id S="ID-KMEHR" SV="1.0">52</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="48.4 COMeasurementFlag"
L="en">comeasurementflag</cd>

        <content>

              <boolean>false</boolean>

        </content>

</item>
```
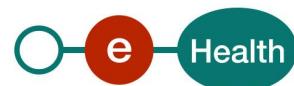
5.3.23　CO measurement value

If CO measurement flag is set to true, it gives the CO concentration (in ppm) in the building, near where the patient was located.

<u>Information and possible values:</u>

From 0 till 10,000

```
<item>
      <id S="ID-KMEHR" SV="1.0">53</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="48.5 COMeasurementValue"
L="en">comeasurementvalue</cd>
      <content>
            <unsignedInt>1</unsignedInt>
      </content>
</item>
```

5.3.24　Glasgow Coma Scale

This section contains all the information concerning the Glasgow Coma Scale.

Remark: if Reason no transport is set to 1, 2 or 3 then variables 52 till 75 must not be shown. If Reason no transport is set to 4, 5, 6, 7 or 8, then variables 60 till 75 must not be shown. If Reason no transport is set to 4 then variables 52 till 75 must not be filled in.

```
<heading> <!-- Glasgow Coma Scale -->
      <id S="ID-KMEHR" SV="1.0">54</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Glasgow Coma Scale"
L="en">glasgowcomascale</cd>
      …
</heading>
```

All the following fields in chapter 5.3.24 Glasgow Coma Scale are children of this heading.

5.3.24.1　Glasgow Score

The Glasgow Score is automatically calculated based on individual scores.

```
<heading> <!-- Glasgow Score-->
      <id S="ID-KMEHR" SV="1.0">1</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Glasgow Score" L="en">
glasgowscore</cd>
      …
</heading>
```
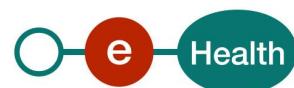
All the following fields in chapter 5.3.24.1 Glasgow Coma Scale are children of this heading.

5.3.24.1.1 Glasgow score AS

If Glasgow coma scale AS applicable flag is set to true, this variable indicates the Glasgow score at arrival on site.

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">1</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="52.1 glasgowScoreAs"
L="en">glasgowscoreas</cd>
        <content>
                <unsignedInt>1</unsignedInt>
        </content>
</item>
```

5.3.24.1.2 Glasgow score DS

If Glasgow coma scale DS applicable flag is set to true, this variable indicates the Glasgow score at departure from site.

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">2</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="60.1 glasgowScoreDs"
L="en">glasgowscoreds</cd>
        <content>
                <unsignedInt>1</unsignedInt>
        </content>
</item>
```

5.3.24.1.3 Glasgow score AH

If Glasgow coma scale AH applicable flag is set to true, this variable indicates the Glasgow score at arrival at hospital.

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">3</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="68.1 glasgowScoreAh"
L="en">glasgowscoreah</cd>
        <content>
                <unsignedInt>1</unsignedInt>
        </content>
</item>
```

5.3.24.2 Glasgow eye opening

This variable indicates the Eye Opening.

```xml
<heading> <!-- Glasgow Eye opening-->
        <id S="ID-KMEHR" SV="1.0">2</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Glasgow eye opening"
L="en"> glasgoweyeopening</cd>
```

```
    …
</heading>
```

All the following fields in chapter 5.3.24.2 Glasgow eye opening are children of this heading and the following values are applicable ->

Information and possible values:

1. Spontaneous
2. To voice
3. To pain
4. None

5.3.24.2.1   Glasgow eye opening AS code

If Glasgow coma scale AS applicable flag is set to true, this variable indicates the Eye Opening at arrival on site.

```
<item>
      <id S="ID-KMEHR" SV="1.0">1</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="52.2
glasgowEyeOpeningAsCode" L="en">glasgoweyeopeningascode</cd>
      <content>
            <id S="LOCAL" SL="ID-glasgoweyeopeningascode" SV="1.0"
>4</id>
      </content>
</item>
```

5.3.24.2.2   Glasgow eye opening DS code

If Glasgow coma scale DS applicable flag is set to true, this variable indicates the Eye Opening at departure from site.

```
<item>
      <id S="ID-KMEHR" SV="1.0">2</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="60.2
glasgowEyeOpeningDsCode" L="en">glasgoweyeopeningdscode</cd>
      <content>
            <id S="LOCAL" SL="ID-glasgoweyeopeningdscode" SV="1.0"
>4</id>
      </content>
</item>
```

5.3.24.2.3   Glasgow eye opening AH code

If Glasgow coma scale AH applicable flag is set to true, this variable indicates the Eye Opening at arrival at hospital.

```
<item>
      <id S="ID-KMEHR" SV="1.0">3</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="68.2
glasgowEyeOpeningAhCode" L="en">glasgoweyeopeningahcode</cd>
      <content>
```
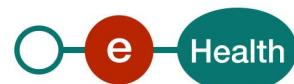
```
        <id S="LOCAL" SL="ID-glasgoweyeopeningahcode" SV="1.0"
>4</id>
      </content>
</item>
```

5.3.24.3 Glasgow verbal answer

This variable indicates the Verbal Answer.

```
<heading> <!--Glasgow Verbal Answer-->
      <id S="ID-KMEHR" SV="1.0">3</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Glasgow Verbal Answer"
L="en">glasgowverbalanswer</cd>

      …
</heading>
```

All the following fields in chapter 5.3.24.3 Glasgow Verbal Answer are children of this heading and the following values are applicable ->

Information and possible values:

1. None
2. Incomprehensible sounds
3. Inappropriate words
4. Confused
5. Oriented

5.3.24.3.1 Glasgow verbal answer AS code

If Glasgow coma scale AS applicable flag is set to true, this variable indicates the Verbal Answer at arrival site.

```
<item>
      <id S="ID-KMEHR" SV="1.0">1</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="52.3
glasgowVerbalAnswerAsCode" L="en">glasgowverbalanswerascode</cd>
      <content>
            <id S="LOCAL" SL="ID-glasgowverbalanswerascode" SV="1.0"
>4</id>
      </content>
</item>
```
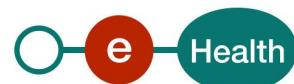
5.3.24.3.2 Glasgow verbal answer DS code

If Glasgow coma scale DS applicable flag is set to true, this variable indicates the Verbal Answer at departure site.

```
<item>
      <id S="ID-KMEHR" SV="1.0">2</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="60.3
glasgowVerbalAnswerDsCode" L="en">glasgowverbalanswerdscode</cd>
      <content>
```

```
        <id S="LOCAL" SL="ID-glasgowverbalanswerdscode" SV="1.0"
>4</id>

    </content>

</item>
```

5.3.24.3.3 Glasgow verbal answer AH code

If Glasgow coma scale AH applicable flag is set to true, this variable indicates the Verbal Answer at arrival hospital.

```
<item>

    <id S="ID-KMEHR" SV="1.0">3</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="68.3
glasgowVerbalAnswerAhCode" L="en">glasgowverbalanswerahcode</cd>

    <content>

        <id S="LOCAL" SL="ID-glasgowverbalanswerahcode" SV="1.0"
>4</id>

    </content>

</item>
```

5.3.24.4 Glasgow motor response

This variable indicates the Motor Response.

```
<heading> <!--Glasgow Motor Response-->

    <id S="ID-KMEHR" SV="1.0">4</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Glasgow Motor Response"
L="en">glasgowmotorresponse</cd>

    …

</heading>
```
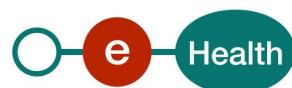
All the following fields in chapter 5.3.24.4 Glasgow Motor Response are children of this heading and the following values are applicable ->

Information and possible values:

1. None
2. Extension (pain)
3. Flexion (pain)
4. Withdraw (pain)
5. Localizes pain
6. Obeys commands

5.3.24.4.1 Glasgow motor response AS code

If Glasgow coma scale AS applicable flag is set to true, this variable indicates the Motor Response at arrival site.

```
<item>

      <id S="ID-KMEHR" SV="1.0">1</id>

      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="52.4
glasgowMotorResponseAsCode" L="en">glasgowmotorresponseascode</cd>

      <content>

            <id S="LOCAL" SL="ID-glasgowmotorresponseasÑ•ode" SV="1.0"
>6</id>

      </content>

</item>
```

5.3.24.4.2 Glasgow motor response DS code

If Glasgow coma scale DS applicable flag is set to true, this variable indicates the Motor Response at departure site.

```
<item>

      <id S="ID-KMEHR" SV="1.0">2</id>

      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="60.4
glasgowMotorResponseDsCode" L="en">glasgowmotorresponsedscode</cd>

      <content>

            <id S="LOCAL" SL="ID-glasgowmotorresponsedscode" SV="1.0"
>6</id>

      </content>

</item>
```

5.3.24.4.3 Glasgow motor response AH code

If Glasgow coma scale AH applicable flag is set to true, this variable indicates the Motor Response at arrival hospital.

```
<item>

      <id S="ID-KMEHR" SV="1.0">3</id>

      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="68.4
glasgowMotorResponseAhCode" L="en">glasgowmotorresponseahcode</cd>

      <content>

            <id S="LOCAL" SL="ID-glasgowmotorresponseahcode" SV="1.0"
>6</id>

      </content>

</item>
```
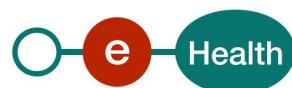
5.3.24.5   Glasgow coma scale AS applicable flag

This indicates if information about the Glasgow Com Scale parameter at the arrival site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>
      <id S="ID-KMEHR" SV="1.0">5</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="52.5
glasgowComaScaleAsApplicableFlag"
L="en">glasgowcomascaleasapplicableflag</cd>
      <content>
                <boolean>false</boolean>
      </content>
</item>
```

5.3.24.6   Glasgow coma scale DS applicable flag

This indicates if information about the Glasgow Com Scale parameter at the departure site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>
      <id S="ID-KMEHR" SV="1.0">6</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="60.5
glasgowComaScaleDsApplicableFlag"
L="en">glasgowcomascaledsapplicableflag</cd>
      <content>
                <boolean>false</boolean>
      </content>
</item>
```

5.3.24.7   Glasgow coma scale AH applicable flag

This indicates if information about the Glasgow Com Scale parameter at the arrival hospital is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>
      <id S="ID-KMEHR" SV="1.0">7</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="68.5
glasgowComaScaleAhApplicableFlag"
L="en">glasgowcomascaleahapplicableflag</cd>
      <content>
                <boolean>false</boolean>
      </content>
</item>
```

5.3.25   Pupil

```
<heading> <!-- Pupil -->
      <id S="ID-KMEHR" SV="1.0">55</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN=" Pupil" L="en" >pupil</cd>
      …
</heading>
```

All the following fields in chapter 5.3.25 Pupil are children of this heading.

5.3.25.1   Pupil AS code

If Pupil AS applicable flag is set to true, this variable indicates the pupil code at arrival on site.

Information and possible values:

1. Normal
2. Myosis
3. Mydriasis
4. Anisocoria

```
<item>
      <id S="ID-KMEHR" SV="1.0">1</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="53.1 pupilAsCode"
L="en">pupilascode</cd>
      <content>
            <id S="LOCAL" SL="ID-pupilascode" SV="1.0" >4</id>
      </content>
</item>
```

5.3.25.2   Pupil AS applicable flag

This indicates if information about the pupil at the time of arrival on site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>
      <id S="ID-KMEHR" SV="1.0">2</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="53.2 pupilAsApplicableFlag"
L="en">pupilasapplicableflag</cd>
      <content>
            <boolean>false</boolean>
      </content>
</item>
```

5.3.25.3   Pupil DS code

If Pupil DS applicable flag is set to true, this variable indicates the pupil code at departure from site.

Information and possible values:

1. Normal
2. Myosis
3. Mydriasis
4. Anisocoria

```
<item>
    <id S="ID-KMEHR" SV="1.0">3</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="61.1 pupilDsCode"
L="en">pupildscode</cd>
    <content>
        <id S="LOCAL" SL="ID-pupildscode" SV="1.0" >4</id>
    </content>
</item>
```

5.3.25.4   *Pupil DS applicable flag*

This indicates if information about the pupil at the time of departure of site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>
    <id S="ID-KMEHR" SV="1.0">4</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="61.2 pupilDsApplicableFlag"
L="en">pupildsapplicableflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```

5.3.25.5   *Pupil AH code*

If Pupil AH applicable flag is set to true, this variable indicates the pupil code at arrival at hospital.

Information and possible values:

1. Normal
2. Myosis
3. Mydriasis
4. Anisocoria

```
<item>
    <id S="ID-KMEHR" SV="1.0">5</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="69.1 pupilAhCode"
L="en">pupilahcode</cd>
    <content>
```

```
        <id S="LOCAL" SL="ID-pupilahcode" SV="1.0" >4</id>

    </content>

</item>
```

5.3.25.6   Pupil AH applicable flag

This indicates if information about the pupil at the time of arrival at hospital is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>

    <id S="ID-KMEHR" SV="1.0">6</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="69.2 pupilAhApplicableFlag"
L="en">pupilahapplicableflag</cd>

    <content>

        <boolean>false</boolean>

    </content>

</item>
```

5.3.26   Pain

```
<heading> <!-- Pain -->

    <id S="ID-KMEHR" SV="1.0">56</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0 DN="Pain" L="en">pain</cd>

    …

</heading>
```

All the following fields in chapter 5.3.26 Pain are children of this heading.

5.3.26.1   Score AS value

If Score AS applicable flag is set to true, this indicates the patient's pain intensity on a visual analog scale from 0 (no pain) to 10 (very severe pain) at arrival on site.

Information and possible values:

```
<item>

    <id S="ID-KMEHR" SV="1.0">1</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="54.1 scoreAsValue"
L="en">scoreasvalue</cd>

    <content>

        <unsignedInt>1</unsignedInt>

    </content>

</item>
```

5.3.26.2   Score AS applicable flag

This indicates if information about the pain score at the time of arrival on site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">2</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="54.2 scoreAsApplicableFlag"
L="en">scoreasapplicableflag</cd>
        <content>
                <boolean>false</boolean>
        </content>
</item>
```

5.3.26.3   Score DS value

If Score AS applicable flag is set to true, this indicates the patient's pain intensity on a visual analog scale from 0 (no pain) to 10 (very severe pain) at departure from site.

Information and possible values:

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">3</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="62.1 scoreDsValue"
L="en">scoredsvalue</cd>
        <content>
                <unsignedInt>1</unsignedInt>
        </content>
</item>
```

5.3.26.4   Score DS applicable flag

This indicates if information about the pain score at the time of departure from site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">4</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="62.2 scoreDsApplicableFlag"
L="en">scoredsapplicableflag</cd>
        <content>
                <boolean>false</boolean>
        </content>
</item>
```

5.3.26.5   Score AH value

If Score AS applicable flag is set to true, this indicates the patient's pain intensity on a visual analog scale from 0 (no pain) to 10 (very severe pain) at arrival at hospital.

Information and possible values:

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">5</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="70.1 scoreAhValue"
L="en">scoreahvalue</cd>
        <content>
                <unsignedInt>1</unsignedInt>
        </content>
</item>
```

5.3.26.6   Score AH applicable flag

This indicates if information about the pain score at the time of arrival at hospital is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">6</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="70.2 scoreAhApplicableFlag"
L="en">scoreahapplicableflag</cd>
        <content>
                <boolean>false</boolean>
        </content>
</item>
```

5.3.27   Breathing

```xml
<heading> <!-- Breathing -->
        <id S="ID-KMEHR" SV="1.0">57</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Breathing" L="en”
>breathing</cd>
        …
</heading>
```

All the following fields in chapter 5.3.27 Breathing are children of this heading.

5.3.27.1   Breathing AS applicable flag

This indicates if breathing information at the time of arrival site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)

- FALSE (not measurable)

```
<item>
    <id S="ID-KMEHR" SV="1.0">5</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="55.5
breathingAsApplicableFlag" L="en">breathingasapplicableflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```

5.3.27.2 Breathing DS applicable flag

This indicates if breathing information at the time of departure site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>
    <id S="ID-KMEHR" SV="1.0">10</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="63.5
breathingDsApplicableFlag" L="en">breathingdsapplicableflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```

5.3.27.3 Breathing AH applicable flag

This indicates if breathing information at the time of arrival hospital is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>
    <id S="ID-KMEHR" SV="1.0">15</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="71.5
breathingAhApplicableFlag" L="en">breathingahapplicableflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```

5.3.27.4 Frequency

5.3.27.4.1 Frequency AS value

If Breathing AS applicable flag is set to true, this field should contain the breathing frequency indication based upon a manual measurement (rate per minute) at the time of arrival on site.

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">1</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="55.1 frequencyAsValue" L="en">frequencyasvalue</cd>
    <content>
        <unsignedInt>1</unsignedInt>
    </content>
</item>
```

5.3.27.4.2 Frequency DS value

If Breathing DS applicable flag is set to true, this field should contain the breathing frequency indication based upon a manual measurement (rate per minute) at the time of departure from site.

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">6</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="63.1 frequencyDsValue" L="en">frequencydsvalue</cd>
    <content>
        <unsignedInt>1</unsignedInt>
    </content>
</item>
```

5.3.27.4.3 Frequency AH value

If Breathing AH applicable flag is set to true, this field should contain the breathing frequency indication based upon a manual measurement (rate per minute) at the time of arrival at hospital.

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">11</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="71.1 frequencyAhValue" L="en">frequencyahvalue</cd>
    <content>
        <unsignedInt>1</unsignedInt>
    </content>
</item>
```
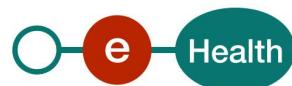
5.3.27.5 Rhythm

5.3.27.5.1 Rhythm AS code

If Breathing AS applicable flag is set to true, this field should contain the breathing rhythm indication at the time of arrival on site.

Information and possible values:

1. Regular
2. Irregular

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">2</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="55.2 rhythmAsCode"
L="en">rhythmascode</cd>
    <content>
        <id S="LOCAL" SL="ID-rhythmascode" SV="1.0" >2</id>
    </content>
</item>
```

5.3.27.5.2   Rhythm DS code

If Breathing DS applicable flag is set to true, this field should contain the breathing rhythm indication at the time of departure from site.

Information and possible values:

1. Regular
2. Irregular

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">7</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="63.2 rhythmDsCode"
L="en">rhythmdscode</cd>
    <content>
        <id S="LOCAL" SL="ID-rhythmdscode" SV="1.0" >2</id>
    </content>
</item>
```

5.3.27.5.3   Rhythm AH code

If Breathing AH applicable flag is set to true, this field should contain the breathing rhythm indication at the time of arrival at hospital.

Information and possible values:

1. Regular
2. Irregular

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">12</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="71.2 rhythmAhCode"
L="en">rhythmahcode</cd>
    <content>
        <id S="LOCAL" SL="ID-rhythmahcode" SV="1.0" >2</id>
    </content>
</item>
```
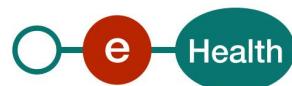
5.3.27.6 Depth

5.3.27.6.1 Depth AS code

If Breathing AS applicable flag is set to true, this field should contain the breathing depth indication at the time of arrival site.

Information and possible values:

1. Normal
2. Deep
3. Superficial

```
<item>
    <id S="ID-KMEHR" SV="1.0">3</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="55.3 depthAsCode"
L="en">depthascode</cd>
    <content>
        <id S="LOCAL" SL="ID-depthascode" SV="1.0" >2</id>
    </content>
</item>
```

5.3.27.6.2 Depth DS code

If Breathing DS applicable flag is set to true, this field should contain the breathing depth indication at the time of departure site.

Information and possible values:

1. Normal
2. Deep
3. Superficial

```
<item>
    <id S="ID-KMEHR" SV="1.0">8</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="63.3 depthDsCode"
L="en">depthdscode</cd>
    <content>
        <id S="LOCAL" SL="ID-depthdscode" SV="1.0" >2</id>
    </content>
</item>
```
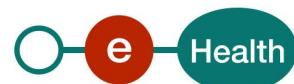
5.3.27.6.3 Depth AH code

If Breathing AH applicable flag is set to true, this field should contain the breathing depth indication at the time of arrival hospital.

Information and possible values:

1. Normal
2. Deep
3. Superficial

```
<item>
    <id S="ID-KMEHR" SV="1.0">13</id>
```

```
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="71.3 depthAhCode"
L="en">depthahcode</cd>
        <content>
            <id S="LOCAL" SL="ID-depthahcode" SV="1.0" >2</id>
        </content>
</item>
```

5.3.27.7   Effort

5.3.27.7.1   Effort AS code

If Breathing AS applicable flag is set to true, this field should contain the breathing effort indication at the time of arrival site.

Information and possible values:

1. Easy (normal)
2. Difficult

```
<item>
        <id S="ID-KMEHR" SV="1.0">4</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="55.4 effortAsCode"
L="en">effortascode</cd>
        <content>
            <id S="LOCAL" SL="ID-effortascode" SV="1.0" >2</id>
        </content>
</item>
```

5.3.27.7.2   Effort DS code

If Breathing DS applicable flag is set to true, t this field should contain the breathing effort indication at the time of departure site.

Information and possible values:

1. Easy (normal)
2. Difficult

```
<item>
        <id S="ID-KMEHR" SV="1.0">9</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="63.4 effortDsCode"
L="en">effortdscode</cd>
        <content>
            <id S="LOCAL" SL="ID-effortdscode" SV="1.0" >2</id>
        </content>
</item>
```
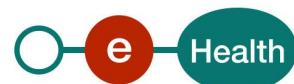
5.3.27.7.3   Effort AH code

If Breathing AH applicable flag is set to true, this field should contain the breathing effort indication at the time of arrival hospital.

Information and possible values:

1. Easy (normal)

2. Difficult

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">14</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="71.4 effortAhCode"
L="en">effortahcode</cd>
    <content>
        <id S="LOCAL" SL="ID-effortahcode" SV="1.0" >2</id>
    </content>
</item>
```

5.3.28   Heart

```xml
<heading> <!-- Heart -->
    <id S="ID-KMEHR" SV="1.0">58</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Heart" L="en" >heart</cd>
    …
</heading>
```

All the following fields in chapter 5.3.28 Heart are children of this heading.

5.3.28.1   Heart AS applicable flag

This indicates if heart information at the time of arrival on site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">4</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="56.4 heartAsApplicableFlag"
L="en">heartasapplicableflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```
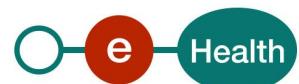
5.3.28.2   Heart DS applicable flag

This indicates if heart information at the time of departure from site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">8</id>
```

```
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="64.4 heartDsApplicableFlag"
L="en">heartdsapplicableflag</cd>
      <content>
            <boolean>false</boolean>
      </content>
</item>
```

5.3.28.3 Heart AH applicable flag

This indicates if heart information at the time of arrival at hospital is measurable.

<u>Information and possible values:</u>

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>
      <id S="ID-KMEHR" SV="1.0">12</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="72.4 heartAhApplicableFlag"
L="en">heartahapplicableflag</cd>
      <content>
            <boolean>false</boolean>
      </content>
</item>
```

5.3.28.4 Frequency

5.3.28.4.1 Frequency AS value

If Heart AS applicable flag is set to true, this field should contain the heart frequency indication based upon a manual measurement (rate per minute) at the time of arrival on site.

```
<item>
      <id S="ID-KMEHR" SV="1.0">1</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="56.1 frequencyAsValue"
L="en">frequencyasvalue</cd>
      <content>
            <unsignedInt>1</unsignedInt>
      </content>
</item>
```

5.3.28.4.2 Frequency DS value

If Heart DS applicable flag is set to true, this field should contain the heart frequency indication based upon a manual measurement (rate per minute) at the time of departure on site.

```
<item>
      <id S="ID-KMEHR" SV="1.0">5</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="64.1 frequencyDsValue"
L="en">frequencydsvalue</cd>
```

```
    <content>
            <unsignedInt>1</unsignedInt>
    </content>
</item>
```
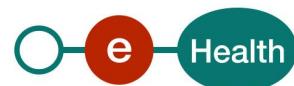
5.3.28.4.3 Frequency AH value

If Heart AH applicable flag is set to true, this field should contain the heart frequency indication based upon a manual measurement (rate per minute) at the time of arrival at hospital.

```
<item>
        <id S="ID-KMEHR" SV="1.0">9</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="72.1 frequencyAhValue"
L="en">frequencyahvalue</cd>
        <content>
                <unsignedInt>1</unsignedInt>
        </content>
</item>
```

5.3.28.5   Rythm

5.3.28.5.1 Rhythm AS code

If Heart AS applicable flag is set to true, this field should contain the heart rhythm indication at the time of arrival on site.

Information and possible values:

1. Regular
2. Irregular

```
<item>
        <id S="ID-KMEHR" SV="1.0">2</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="56.2 rhythmAsCode"
L="en">rhythmascode</cd>
        <content>
                <id S="LOCAL" SL="ID-rhythmascode" SV="1.0" >2</id>
        </content>
</item>
```

5.3.28.5.2 Rhythm DS code

If Heart DS applicable flag is set to true, this field should contain the heart rhythm indication at the time of departure from site.
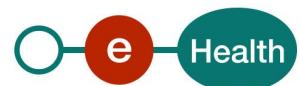
Information and possible values:

1. Regular
2. Irregular

```
<item>
        <id S="ID-KMEHR" SV="1.0">6</id>
```

```
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="64.2 rhythmDsCode"
L="en">rhythmdscode</cd>
        <content>
            <id S="LOCAL" SL="ID-rhythmdscode" SV="1.0" >2</id>
        </content>
</item>
```

5.3.28.5.3　Rhythm AH code

If Heart AH applicable flag is set to true, this field should contain the heart rhythm indication at the time of arrival at hospital.

Information and possible values:

1. Regular
2. Irregular

```
<item>
        <id S="ID-KMEHR" SV="1.0">10</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="72.2 rhythmAhCode"
L="en">rhythmahcode</cd>
        <content>
            <id S="LOCAL" SL="ID-rhythmahcode" SV="1.0" >2</id>
        </content>
</item>
```

5.3.28.6　Power

5.3.28.6.1　Power AS code

If Heart AS applicable flag is set to true, this field should contain the heart power indication at the time of arrival on site.

Information and possible values:

1. Full
2. Weak

```
<item>
        <id S="ID-KMEHR" SV="1.0">3</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="56.3 powerAsCode"
L="en">powerascode</cd>
        <content>
            <id S="LOCAL" SL="ID-powerascode" SV="1.0" >2</id>
        </content>
</item>
```
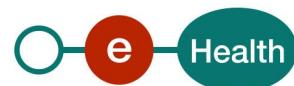
5.3.28.6.2　Power DS code

If Heart DS applicable flag is set to true, this field should contain the heart power indication at the time of departure from site.

Information and possible values:

1. Full

2. Weak

```
<item>
        <id S="ID-KMEHR" SV="1.0">7</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="64.3 powerDsCode"
L="en">powerdscode</cd>
        <content>
                <id S="LOCAL" SL="ID-powerdscode" SV="1.0" >2</id>
        </content>
</item>
```

5.3.28.6.3   Power AH code

If Heart AH applicable flag is set to true, this field should contain the heart power indication at the time of arrival at hospital.

<u>Information and possible values:</u>

1. Full
2. Weak

```
<item>
        <id S="ID-KMEHR" SV="1.0">11</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="72.3 powerAhCode"
L="en">powerahcode</cd>
        <content>
                <id S="LOCAL" SL="ID-powerahcode" SV="1.0" >2</id>
        </content>
</item>
```

5.3.29   Vital parameters

```
<heading> <!-- Vital Parameters -->
        <id S="ID-KMEHR" SV="1.0">59</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Vital Parameters"
L="en">vitalparameters</cd>
        …
</heading>
```

All the following fields in chapter 5.3.29 Vital Parameters are children of this heading.

5.3.29.1   SpO2

```
<heading> <!—SpO2 -->
        <id S="ID-KMEHR" SV="1.0">59</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="SpO2" L="en" >spo2</cd>
        …
</heading>
```

All the following fields in chapter 5.3.29.1 SpO2 are children of this heading.

5.3.29.1.1 SpO2 AS

If SpO2 AS applicable flag is set to true, this field should contain the oxygen saturation as fraction of oxygen-saturated hemoglobin relative to total hemoglobin (unsaturated + saturated) in the blood at arrival on site (%)

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">1</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="57.1 spO2As"
L="en">spo2as</cd>
        <content>
                <unsignedInt>1</unsignedInt>
        </content>
</item>
```

5.3.29.1.2 SpO2 AS applicable flag

This indicates if SpO2 information at the time of arrival on site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">2</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="57.2 spO2AsApplicableFlag"
L="en">spO2asapplicableflag</cd>
        <content>
                <boolean>false</boolean>
        </content>
</item>
```

5.3.29.1.3 SpO2 DS

If SpO2 DS applicable flag is set to true, this field should contain oxygen saturation as fraction of oxygen-saturated haemoglobin relative to total haemoglobin (unsaturated + saturated) in the blood at departure from site (%).

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">7</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="65.1 spO2Ds"
L="en">spo2ds</cd>
        <content>
                <unsignedInt>1</unsignedInt>
        </content>
</item>
```

5.3.29.1.4 SpO2 DS applicable flag

This indicates if SpO2 information at the time of departure from site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>
    <id S="ID-KMEHR" SV="1.0">8</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="65.2 spo2DsApplicableFlag"
L="en">spo2dsapplicableflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```

5.3.29.1.5 SpO2 AH

If SpO2 AH applicable flag is set to true, this indicates the oxygen saturation as fraction of oxygen-saturated haemoglobin relative to total haemoglobin (unsaturated + saturated) in the blood at arrival at the hospital (%)

```
<item>
    <id S="ID-KMEHR" SV="1.0">13</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="73.1 spO2Ah"
L="en">spo2ah</cd>
    <content>
        <unsignedInt>1</unsignedInt>
    </content>
</item>
```

5.3.29.1.6 SpO2 AH applicable flag

This indicates if SpO2 information at the time of arrival at hospital is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>
    <id S="ID-KMEHR" SV="1.0">14</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="73.2 spo2AhApplicableFlag"
L="en">spo2ahapplicableflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```
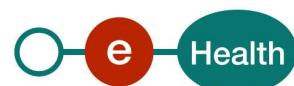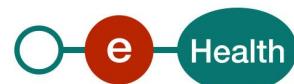
5.3.29.2 Temperature

```
<heading> <!—Temperature-->
    <id S="ID-KMEHR" SV="1.0">59</id>
```

```
            <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Temperature" L="en"
>temperature</cd>

        …

</heading>
```

5.3.29.2.1 Temperature AS

If Temperature AS applicable flag is set to true, this indicates the patient's temperature in tenths of degree Celsius at arrival on site (°C). The temperature has to be sent as a decimal value and the value has to be between -50.0 and 50.0.

```
<item>
    <id S="ID-KMEHR" SV="1.0">3</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="58.1 temperatureAs" L="en"
                         >temperatureas</cd>
    <content>
        <decimal>39.0</decimal>
    </content>
</item>
```

5.3.29.2.2 Temperature AS applicable flag

This indicates if temperature information at the time of arrival on site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>
    <id S="ID-KMEHR" SV="1.0">4</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="58.2
temperatureAsApplicableFlag" L="en">temperatureasapplicableflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```

5.3.29.2.3 Temperature DS

If Temperature DS applicable flag is set to true, this indicates the patient's temperature in tenths of degree Celsius at departure from site (°C). The temperature has to be sent as a decimal value and the value has to be between -50.0 and 50.0.

```
<item>
    <id S="ID-KMEHR" SV="1.0">9</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="66.1 temperatureDs" L="en"
                         >temperatureds</cd>
```

```
<content>
    <decimal>39.0</decimal>
</content>
</item>
```

5.3.29.2.4   Temperature DS applicable flag

This indicates if temperature information at the time of departure from site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>
    <id S="ID-KMEHR" SV="1.0">10</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="66.2
temperatureDsApplicableFlag" L="en">temperaturedsapplicableflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```

5.3.29.2.5   Temperature AH

If Temperature AH applicable flag is set to true, this indicates the patient's temperature in tenths of degree Celsius at arrival at hospital (°C). The temperature has to be sent as a decimal value and has to be between -50.0 and 50.0.

```
<item>
    <id S="ID-KMEHR" SV="1.0">15</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="74.1 temperatureAh" L="en"
                        >temperatureah</cd>
    <content>
        <decimal>39.0</decimal>
    </content>
</item>
```

5.3.29.2.6   Temperature AH applicable flag

This indicates if temperature information at the time of arrival at hospital is measurable.

Information and possible values:

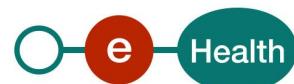- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>
    <id S="ID-KMEHR" SV="1.0">16</id>
```

```
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="74.2
temperatureAhApplicableFlag" L="en">temperatureahapplicableflag</cd>

        <content>

                <boolean>false</boolean>

        </content>

</item>
```

5.3.29.3   Glycaemia

```
<heading> <!—Glycemia-->

        <id S="ID-KMEHR" SV="1.0">59</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Glycemia" L="en"
>glycemia</cd>

        …

</heading>
```

5.3.29.3.1   Glycaemia AS

If Glycaemia AS applicable flag is set to true, this indicates the sugar concentration in the blood at time of arrival on site (mg/dl)

```
<item>

        <id S="ID-KMEHR" SV="1.0">5</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="59.1 glycemiaAs"
L="en">glycemiaas</cd>

        <content>

                <unsignedInt>1</unsignedInt>

        </content>

</item>
```

5.3.29.3.2   Glycaemia AS applicable flag

This indicates if Glycaemia information at the time of arrival on site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>

        <id S="ID-KMEHR" SV="1.0">6</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="59.2
glycemiaAsApplicableFlag" L="en">glycemiaasapplicableflag</cd>

        <content>

                <boolean>false</boolean>

        </content>

</item>
```

5.3.29.3.3 Glycaemia DS

If Glycaemia DS applicable flag is set to true, this indicates the sugar concentration in the blood at time of arrival on site (mg/dl).

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">11</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="67.1 glycemiaDs"
L="en">glycemiads</cd>
        <content>
                <unsignedInt>1</unsignedInt>
        </content>
</item>
```

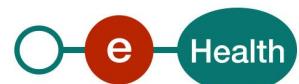### 5.3.29.3.4 Glycaemia DS applicable flag

This indicates if Glycaemia information at the time of departure from site is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">12</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="67.2
glycemiaDsApplicableFlag" L="en">glycemiadsapplicableflag</cd>
        <content>
                <boolean>false</boolean>
        </content>
</item>
```

5.3.29.3.5 Glycaemia AH

If Glycaemia AH applicable flag is set to true, this indicates the sugar concentration in the blood at time of arrival at hospital (mg/dl).

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">17</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="75.1 glycemiaAh"
L="en">glycemiaah</cd>
        <content>
                <unsignedInt>1</unsignedInt>
        </content>
</item>
```
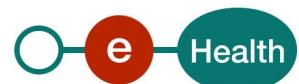
5.3.29.3.6 Glycaemia AH applicable flag

This indicates if Glycaemia information at the time of arrival at hospital is measurable.

Information and possible values:

- TRUE (measurable; DEFAULT VALUE)
- FALSE (not measurable)

```
<item>
    <id S="ID-KMEHR" SV="1.0">18</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="75.2
glycemiaAhApplicableFlag" L="en">glycemiaahapplicableflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```

5.3.29.4 *Blood Pressure*

```
<heading> <!—Blood Pressure-->
    <id S="ID-KMEHR" SV="1.0">59</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Blood pressure" L="en"
>bloodpressure</cd>
    …
</heading>
```

5.3.29.4.1 Blood Pressure Hi AS

This indicates the systolic blood pressure in mm Hg at the time of arrival on site.

```
<item>
    <id S="ID-KMEHR" SV="1.0">7</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="59.3 bloodPressureHiAs"
L="en">bloodpressurehias</cd>
    <content>
        < unsignedInt>false</ unsignedInt>
    </content>
</item>
```

5.3.29.4.2 Blood Pressure Lo AS

This indicates the diastolic blood pressure in mm Hg at the time of arrival on site.

```
<item>
    <id S="ID-KMEHR" SV="1.0">8</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="59.4 bloodPressureLoAs"
L="en">bloodpressureloas</cd>
    <content>
        < unsignedInt>1</ unsignedInt>
    </content>
</item>
```

5.3.29.4.3 Blood Pressure AS Applicable flag

Indicates if blood pressure at arrival site is measurable.

```
<item>
```

```
    <id S="ID-KMEHR" SV="1.0">8</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="59.5
    bloodpressureasapplicableflag"
    L="en">bloodpressureasapplicableflag</cd>

    <content>

            <boolean>false</boolean>

    </content>

</item>
```

5.3.29.4.4 Blood Pressure Hi DS

This indicates the systolic blood pressure in mm Hg at the time of departure from site.

```
<item>

    <id S="ID-KMEHR" SV="1.0">13</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="67.3 bloodPressureHiDs"
L="en">bloodpressurehids</cd>

    <content>

            <unsignedInt>1</unsignedInt>

    </content>

</item>
```

5.3.29.4.5 Blood Pressure Lo DS

This indicates the diastolic blood pressure in mm Hg at the time of departure from site.

```
<item>

    <id S="ID-KMEHR" SV="1.0">14</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="67.4 bloodPressureLoDs"
L="en">bloodpressurelods</cd>

    <content>

            <unsignedInt>1</unsignedInt>

    </content>

</item>
```
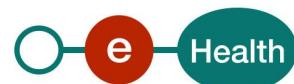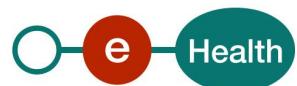
5.3.29.4.6 Blood Pressure DS Applicable flag

Indicates if blood pressure at arrival site is measurable.

```
<item>

    <id S="ID-KMEHR" SV="1.0">8</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="67.5
    bloodpressuredsapplicableflag"
    L="en">bloodpressuredsapplicableflag</cd>

    <content>

            <boolean>false</boolean>

    </content>

</item>
```

5.3.29.4.7 Blood Pressure Hi AH

This indicates the systolic blood pressure in mm Hg at the time of arrival at hospital.

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">19</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="75.3 bloodPressureHiAh"
L="en">bloodpressurehiah</cd>
        <content>
                <unsignedInt>1</unsignedInt>


        </content>
</item>
```

5.3.29.4.8 Blood Pressure Lo AH

This indicates the diastolic blood pressure in mm Hg at the time of arrival at hospital.

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">20</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="75.4 bloodPressureLoAh"
L="en">bloodpressureloah</cd>
        <content>
                <unsignedInt>1</unsignedInt>
        </content>
</item>
```

5.3.29.4.9 Blood Pressure AH Applicable flag

Indicates if blood pressure at arrival hospital is measurable.

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">8</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="75.5
bloodpressureahapplicableflag" L="en">
bloodpressureahapplicableflag</cd>
        <content>
                <boolean>false</boolean>
        </content>
</item>
```

5.3.30   Traumas

Trauma related information.

```xml
<heading> <!-- Traumas -->
        <id S="ID-KMEHR" SV="1.0">59</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Traumas" L="en″
>traumas</cd>
```

```
        …
</heading>
```

5.3.30.1   Trauma fracture dislocation present flag

If Type pathology is set to 'trauma', indicates whether one or more fractures or dislocations were present (remark no default value as variable has only meaning in case of trauma).

Information and possible values:

- TRUE (present)
- FALSE (not present)

```
<item>
      <id S="ID-KMEHR" SV="1.0">61</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="77.1
traumaFractureDislocationPresentFlag"
L="en">traumafracturedislocationpresentflag</cd>
      <content>
            <boolean>false</boolean>
      </content>
</item>
```
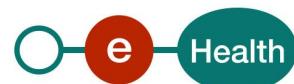
5.3.30.2   Trauma fracture dislocation location code

When trauma fracture dislocation present flag is set to true, the trauma fracture dislocation location code indicates the location(s) of the trauma(s). Multiples values can be entered.

Information and possible values:

1. Head or neck
2. Vertebral column
3. Upper limb
4. Thorax
5. Abdomen
6. Pelvis
7. Lower limb

```
<item>
      <id S="ID-KMEHR" SV="1.0">67</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="77.7
traumaFractureDislocationLocationCode"
L="en">traumafracturedislocationlocationcode</cd>
      <content>
            <text L="EN">1,2,3</text>
      </content>
</item>
```

5.3.30.3   Trauma contusion crush present flag

If Type pathology is set to 'trauma', indicates whether one or more contusions or crushes were present (remark no default value as variable has only meaning in case of trauma).

Information and possible values:

- TRUE (present)
- FALSE (not present)

```xml
<item>
      <id S="ID-KMEHR" SV="1.0">62</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="77.2
traumaContusionCrushPresentFlag"
L="en">traumacontusioncrushpresentflag</cd>
      <content>
            <boolean>false</boolean>
      </content>
</item>
```

5.3.30.4   Trauma contusion crush location code

When the trauma contusion crush present flag is set to true, it indicates one or more trauma contusion crush locations. Multiples values can be entered.

Information and possible values:

1. Head or neck
2. Vertebral column
3. Upper limb
4. Thorax
5. Abdomen
6. Pelvis
7. Lower limb

```xml
<item>
      <id S="ID-KMEHR" SV="1.0">68</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="77.8
traumaContusionCrushLocationCode"
L="en">traumacontusioncrushlocationcode</cd>
      <content>
            <text L="EN">1,2,3</text>
      </content>
</item>
```

5.3.30.5   Trauma wound present flag

If Type pathology is set to 'trauma', indicates whether one or more wounds were present (remark no default value as variable has only meaning in case of trauma).

Information and possible values:

- TRUE (present)

- FALSE (not present)

```
<item>
    <id S="ID-KMEHR" SV="1.0">63</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="77.3
traumaWoundPresentFlag" L="en">traumawoundpresentflag</cd>
    <content>
        <boolean>false</boolean>
    </content>
</item>
```

5.3.30.6   Trauma wound location code

When the trauma wound present flag is set to true, it indicates one or more trauma wound locations. Multiples values can be entered.

Information and possible values:

1. Head or neck
2. Vertebral column
3. Upper limb
4. Thorax
5. Abdomen
6. Pelvis
7. Lower limb

```
<item>
    <id S="ID-KMEHR" SV="1.0">69</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="77.9
traumaWoundLocationCode" L="en">traumawoundlocationcode</cd>
    <content>
        <text L="EN">1,2,3</text>
    </content>
</item>
```

5.3.30.7   Trauma penetrating wound present flag

If Type pathology is set to 'trauma', indicates whether one or more penetrating wounds were present (remark no default value as variable has only meaning in case of trauma).

Information and possible values:

- TRUE (present)
- FALSE (not present)

```
<item>
    <id S="ID-KMEHR" SV="1.0">64</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="77.4
traumaPenetratingWoundPresentFlag"
L="en">traumapenetratingwoundpresentflag</cd>
```

```
    <content>

            <boolean>false</boolean>

    </content>

</item>
```

5.3.30.8   *Trauma penetrating wound location code*

When the trauma penetrating wound present flag is set to true, it indicates one or more penetrating wound locations. Multiples values can be entered.

Information and possible values:

1. Head or neck
2. Vertebral column
3. Upper limb
4. Thorax
5. Abdomen
6. Pelvis
7. Lower limb

```
<item>

        <id S="ID-KMEHR" SV="1.0">70</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="77.10
traumaPenetratingWoundLocationCode"
L="en">traumapenetratingwoundlocationcode</cd>

        <content>

                <text L="EN">1,2,3</text>

        </content>

</item>
```

5.3.30.9   *Trauma burn frost bite present flag*

If Type pathology is set to 'trauma', indicates whether one or more burns or frostbites were present (remark no default value as variable has only meaning in case of trauma).

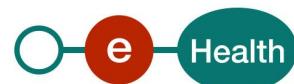Information and possible values:

*   TRUE (present)
*   FALSE (not present)

```
<item>

        <id S="ID-KMEHR" SV="1.0">65</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="77.5
traumaBurnFrostBitePresentFlag"
L="en">traumaburnfrostbitepresentflag</cd>

        <content>

                <boolean>false</boolean>

        </content>

</item>
```

5.3.30.10   Trauma burn frost bite location code

When the trauma burn frost bite present flag is set to true, it indicates one or more trauma burn frost bite locations. Multiples values can be entered.

Information and possible values:

1. Head or neck
2. Vertebral column
3. Upper limb
4. Thorax
5. Abdomen
6. Pelvis
7. Lower limb

```xml
<item>
      <id S="ID-KMEHR" SV="1.0">71</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="77.11
traumaBurnFrostBiteLocationCode"
L="en">traumaburnfrostbitelocationcode</cd>
      <content>
            <text L="EN">1,2,3</text>
      </content>
</item>
```

5.3.30.11   Trauma amputation present flag

If Type pathology is set to 'trauma', indicates whether one or more amputations were present (remark no default value as variable has only meaning in case of trauma).

Information and possible values:

- TRUE (present)
- FALSE (not present)

```xml
<item>
      <id S="ID-KMEHR" SV="1.0">66</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="77.6
traumaAmputationPresentFlag" L="en">traumaamputationpresentflag</cd>
      <content>
            <boolean>false</boolean>
      </content>
</item>
```
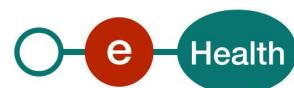
5.3.30.12   Trauma amputation location code

When the trauma amputation present flag is set to true, it indicates one or more trauma amputation locations. Multiples values can be entered.

Information and possible values:

1. Head or neck

2. Vertebral column

3. Upper limb

4. Thorax

5. Abdomen

6. Pelvis

7. Lower limb

```xml
<item>
      <id S="ID-KMEHR" SV="1.0">72</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="77.12
traumaAmputationLocationCode" L="en">traumaamputationlocationcode</cd>
      <content>
            <text L="EN">1,2,3</text>
      </content>
</item>
```

5.3.31   Treatments

```xml
<heading> <!-- Treatments -->
      <id S="ID-KMEHR" SV="1.0">59</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Treatments"
L="en”>treatments</cd>

      …

</heading>
```

5.3.31.1   *Treatment stabilisation pr*

If Inter hospital transport flag is set to true, this indicates which treatment stabilisation(s) did happen. Multiple values can be entered.
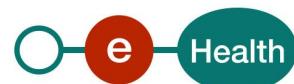
Information and possible values:

1. Removal helmet

2. Cervical collar

3. Splint lower limb

4. Splint upper limb

5. Scoop stretcher

6. Vacuum mattress

7. Kendrickx extrication device

8. Compression bandage

9. Wound dressing

10. Measure against cooling or heating

11. Other measure

```xml
<item>
      <id S="ID-KMEHR" SV="1.0">73</id>
```

```
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="78.1
treatmentStabilisationPr" L="en">treatmentstabilisationpr</cd>

      <content>

            <text L="EN">1,2,3</text>

      </content>

</item>
```

5.3.31.2   Treatment stabilisation interhosp

If Inter hospital transport flag is set to true, this indicates which treatment stabilisation(s) did happen. Multiple values can be entered.

Information and possible values:

1. Cervical collar
2. Immobilisation
3. Scoop stretcher
4. Vacuum mattress
5. Compression bandage
6. Wound dressing
7. Measure against cooling or heating
8. Other measure

```
<item>

      <id S="ID-KMEHR" SV="1.0">74</id>

      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="78.2
treatmentStabilisationInterhosp"
L="en">treatmentstabilisationinterhosp</cd>

      <content>

            <text L="EN">1,2,3</text>

      </content>

</item>
```

5.3.31.3   Treatment transport body position

This indicates the body position of the patient during transport.

Information and possible values:

1. Sitting
2. Semi-sitting
3. Lying horizontally
4. Lying, lower limbs higher
5. Lying, head higher
6. Lateral recovery position
7. Other

```
<item>
```

```
    <id S="ID-KMEHR" SV="1.0">75</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="79
treatmentTransportBodyPosition"
L="en">treatmenttransportbodyposition</cd>

    <content>

        <id S="LOCAL" SL="ID-treatmenttransportbodyposition" SV="1.0"
>7</id>

    </content>

</item>
```

5.3.31.4   Treatment therapy pr

If Inter hospital transport flag is set to **false**, this indicates the applied therapeutical treatment(s). Multiple values can be entered.

Information and possible values:

1. Free airway (indicates whether the patient's airway was cleared)
2. Aspiration (indicates whether saliva etc. was removed)
3. Oxygen (indicates whether oxygen was administered)
4. Respiration (indicates whether respiration was applied)
5. CPR (indicates whether CPR was applied)
6. AED connected (indicates whether an AED was connected before the arrival of Advanced Life Support)
7. AED used (indicates whether AED was used before the arrival of Advanced Life Support)
8. Continuous heartrate or SpO2 monitoring
9. Other

```
<item>

    <id S="ID-KMEHR" SV="1.0">76</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="80.1.1 treatmentTherapyPr"
L="en">treatmenttherapypr</cd>

    <content>

        <text L="EN">1,2,3</text>

    </content>

</item>
```

5.3.31.5   Treatment therapy interhosp

If Inter hospital transport flag is set to **true**, this indicates the applied therapeutical treatment(s). Multiple values can be entered.

Information and possible values:

1. Free airway (indicates whether the patient's airway was cleared)
2. Aspiration (indicates whether saliva etc. was removed)
3. Oxygen (indicates whether oxygen was administered)
4. Continuous SpO2 - monitoring
5. Continuous hart rate monitoring
6. Monitoring infusion
7. Monitoring tubes and or catheters

8. Isolation measures
9. CPR (indicates whether CPR was applied)
10. Other

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">77</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="80.1.2
treatmentTherapyInterhosp" L="en">treatmenttherapyinterhosp</cd>
        <content>
                <text L="EN">1,2,3</text>
        </content>
</item>
```

5.3.31.6   *Treatment therapy oxygen mean*

If Treatment therapy pr is set to 3 or Treatment therapy interhosp is set to 3, then this indicates how oxygen was administered. Multiple values can be entered.

Information and possible values:

1. Nasal catheter
2. Double nasal cannulae
3. Mask
4. Mask + reservoir

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">78</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="80.2
treatmentTherapyOxygenMean" L="en">treatmenttherapyoxygenmean</cd>
        <content>
                <text L="EN">1,2,3</text>
        </content>
</item>
```

5.3.31.7   *Treatment therapy oxygen flow rate*

If Treatment therapy pr is set to 3 or Treatment therapy interhosp is set to 3, then this indicates the oxygen flow rate in liters per minute.

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">79</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="80.3.2
treatmentTherapyOxygenFlowRate"
L="en">treatmenttherapyoxygenflowrate</cd>
        <content>
                <decimal>1.1</decimal>
        </content>
</item>
```

5.3.31.8   Treatment therapy respiration mean

If Treatment therapy pr is set to 4, then this indicates how ventilation was done. Multiple values can be entered.

Information and possible values:

1. Mouth-to-mouth
2. With mouth mask
3. With Bag-Valve-Mask

```
<item>
      <id S="ID-KMEHR" SV="1.0">82</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="80.4.1
treatmentTherapyRespirationMean"
L="en">treatmenttherapyrespirationmean</cd>
      <content>
            <text L="EN">1,2,3</text>
      </content>
</item>
```

5.3.31.9   Treatment therapy CPR number minutes before ALS

If Treatment therapy pr is set to 5, this indicates the duration of the CPR before the arrival of Advanced Life Support in minutes.

```
<item>
      <id S="ID-KMEHR" SV="1.0">83</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="80.5.1
treatmentTherapyCPRnumberminutesbeforeALS"
L="en">treatmenttherapycprnumberminutesbeforeals</cd>
      <content>
            <unsignedInt>1</unsignedInt>
      </content>
</item>
```

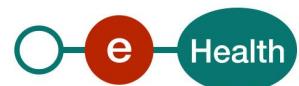### 5.3.31.10   Treatment therapy AED connected by whom

If Treatment therapy pr is set to 6, this indicates who connected the AED.

Information and possible values:

1. Witness
2. Ambulance team

```
<item>
      <id S="ID-KMEHR" SV="1.0">85</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="80.6.1
treatmentTherapyAEDConnectedByWhom"
L="en">treatmenttherapyaedconnectedbywhom</cd>
      <content>
```

```
        <id S="LOCAL" SL="ID-treatmenttherapyaedconnectedbywhom"
SV="1.0" >2</id>

      </content>

</item>
```

5.3.31.11   Treatment therapy AED defibrillation used by whom

If Treatment therapy pr is set to 7, then this indicates who used the AED.

Information and possible values:

1. Witness
2. Ambulance team

```
<item>

      <id S="ID-KMEHR" SV="1.0">8071</id>

      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="80.7.1
treatmentTherapyAEDDefibrillationUsedByWhom"
L="en">treatmenttherapyaeddefibrillationusedbywhom</cd>

      <content>

            <id S="LOCAL" SL="ID-
treatmenttherapyaeddefibrillationusedbywhom" SV="1.0">2</id>

      </content>

</item>
```

5.3.31.12   Treatment therapy AED defibrillation shockable rhythm flag

If Treatment therapy pr is set to 7, then this indicates whether the AED found a shockable rhythm.

Information and possible values:

- TRUE (shockable rhythm)
- FALSE (no shockable rhythm)

```
<item>

      <id S="ID-KMEHR" SV="1.0">88</id>

      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="80.7.2
treatmentTherapyAEDDefibrillationShockableRhythmFlag"
L="en">treatmenttherapyaeddefibrillationshockablerhythmflag</cd>

      <content>

            <boolean>false</boolean>

      </content>

</item>
```

5.3.31.13   Number shocks

If Treatment therapy AED defibrillation shockable rhythm flag is set to true, it indicates the number of administered shocks.

```
<item>

      <id S="ID-KMEHR" SV="1.0">89</id>
```

```
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="80.7.3
treatmentTherapyAEDDefibrillationNumberShocks"
L="en">treatmenttherapyaeddefibrillationnumbershocks</cd>

        <content>

            <unsignedInt>1</unsignedInt>

        </content>

</item>
```

5.3.31.14 Treatment therapy AED ROSC flag

If Treatment therapy pr is set to 7, then this indicates whether there was a return of spontaneous circulation.

Information and possible values:

- TRUE (ROSC)
- FALSE (no ROSC)

```
<item>

        <id S="ID-KMEHR" SV="1.0">90</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="80.10
treatmentTherapyAEDROSCFlag" L="en">treatmenttherapyaedroscflag</cd>

        <content>

            <boolean>false</boolean>

        </content>

</item>
```

5.3.31.15 Treatment therapy other text

If treatmentTherapyPr = 9 or treatmentTherapyInterhosp = 10, this indicates which other therapy was applied (free text).

```
<item>

        <id S="ID-KMEHR" SV="1.0">92</id>

        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="80.8.2
treatmentTherapyOtherText" L="en">treatmenttherapyothertext</cd>

        <content>

            <text L="EN"></text>

        </content>

</item>
```

5.3.31.16 Treatment use defib pads ambulance flag

This indicates whether Pads from the ambulance were used.

Information and possible values:

- TRUE (Pads ambulance used)
- FALSE (Pads ambulance not used)

```
<item>
```

```
    <id S="ID-KMEHR" SV="1.0">93</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="80.12
treatmentUseDefibPadsAmbulanceFlag"
L="en">treatmentusedefibpadsambulanceflag</cd>

    <content>

        <boolean>false</boolean>

    </content>

</item>
```

5.3.32 Type pathology

This indicates the probable kind of pathology causing the intervention. Multiple values can be entered. This field is optional.

Information and possible values:

1. Disease
2. Trauma
3. Substance abuse, intoxication, exposure to toxic substance
4. Psychological crisis with or without suicide threat
5. Social crisis
6. Delivery
7. Other

```
<item>

    <id S="ID-KMEHR" SV="1.0">60</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="76 typePathology"
L="en">typepathology</cd>

    <content>

        <text L="EN">1,2,3</text>

    </content>

</item>
```

5.3.33 Occurrence complications flag

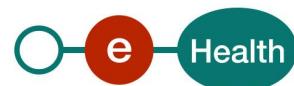This optional field indicates whether a complication occurred during the time the ambulance took care of the patient.

Information and possible values:

- TRUE (complication occurred)
- FALSE (no complication occurred)

```
<item>

    <id S="ID-KMEHR" SV="1.0">94</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="81
occurrenceComplicationsFlag" L="en">occurrencecomplicationsflag</cd>

    <content>
```

```
            <boolean>false</boolean>

        </content>

    </item>
```

5.3.34 Fatal outcome arrival hospital flag

If Transport flag is set to true, this field becomes mandatory.The flag indicates if the patient was dead at arrival of the hospital.

Information and possible values:

- TRUE (patient dead at arrival hospital)
- FALSE (patient alive at arrival hospital)

```
<item>

    <id S="ID-KMEHR" SV="1.0">95</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="82.1
fatalOutcomeArrivalHospitalFlag"
L="en">fataloutcomearrivalhospitalflag</cd>

    <content>

        <boolean>false</boolean>

    </content>

</item>
```

5.3.35 Outcome arrival hospital living patient

This compares the situation of the patient after transport with situation at arrival site. Only filled in if Fatal outcome arrival hospital flag is set to false (patient alive).

Information and possible values:

1. Status improved
2. Status unchanged
3. Status deteriorated

```
<item>

    <id S="ID-KMEHR" SV="1.0">96</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="82.2
outcomeArrivalHospitalLivingPatient"
L="en">outcomearrivalhospitallivingpatient</cd>

    <content>

        <id S="LOCAL" SL="ID-outcomearrivalhospitallivingpatient"
SV="1.0" >3</id>

    </content>

</item>
```

5.3.36 Evaluation mission pr

This indicates how the ambulance team evaluated the mission.

Information and possible values:

1. The Emergency Medical Assistance team was called upon unnecessarily: a non-112 ambulance could have carried out the mission just as well.
2. Immediate dispatch of a PIT by 112 would have been better.
3. Immediate additional dispatch of a MUG/SMUR by 112 was indicated.
4. This ambulance was deployed correctly in the Emergency Medical Assistance chain.

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">97</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="83.1 evaluation.missionPr"
L="en">evaluation.missionpr</cd>
        <content>
                <id S="LOCAL" SL="ID-evaluationmissionpr" SV="1.0" >3</id>
        </content>
</item>
```

5.3.37   Intervention with risk flag

This indicates whether any security risk was present during the intervention. This field is mandatory if the interhospital transport flag is false, forbidden otherwise.

Information and possible values:

- TRUE (risk known before intervention and/or risk encountered during intervention)
- FALSE (no risk known before intervention and no risk encountered during intervention)

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">98</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="84
interventionwithriskFlag" L="en">interventionwithriskflag</cd>
        <content>
                <boolean>false</boolean>
        </content>
</item>
```

5.3.38   Danger reason codes

If Intervention with risk flag is set to **true**, this indicates the reason(s) of the danger. Multiple values can be used.

Information and possible values:

1. Fire, smoke, explosion
2. Weather and natural phenomena
3. Presence of harmful gas, leaks of fuel and/or toxic compounds, loose electrical wires, radiation,…
4. Location of intervention
5. Presence of potentially dangerous animals
6. Aggression and weapons
7. Aggression specifically against ambulance personal

8. Others

```
<item>

    <id S="ID-KMEHR" SV="1.0">99</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="85.2 dangerReasonCodes"
L="en">dangerreasoncodes</cd>

    <content>

        <text L="EN">1,2,3</text>

    </content>

</item>
```

5.3.39   Risk codes

If Intervention with risk flag is set to **true**, this indicates the kind(s) of the danger. Multiple values can be used.

<u>Information and possible values:</u>

1. Fire, smoke, explosion
2. Collapse, entrapment, drowning
3. Intoxication, electrocution, radiation
4. Physical injury
5. Suffering from psychic or emotional trauma
6. Others

```
<item>

    <id S="ID-KMEHR" SV="1.0">100</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="86.2 riskCodes"
L="en">riskcodes</cd>

    <content>

        <text L="EN">5,3,4</text>

    </content>

</item>
```

5.3.40   Personal protective equipment used flag

Indicates whether the ambulance team used the personal protective equipment(s). This field is mandatory.

<u>Information and possible values:</u>

- True (equipment used)
- False (no equipment used)

```
<item>
    <id S="ID-KMEHR" SV="1.0">100</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="87.1
personalProtectiveEquipmentUsedFlag"
L="en">personalprotectiveequipmentusedflag</cd>
    <content>
        <boolean>true</boolean>
```

```
        </content>
</item>
```

5.3.41   Used personal protective equipment

This optional field indicates the personal protective equipment(s) the ambulance team used. Multiple values can be used.

Information and possible values:

1. Gloves
2. Glasses
3. Mask
4. Helmet
5. Protective clothing / shoes
6. Decontamination suit
7. Others

```
<item>
    <id S="ID-KMEHR" SV="1.0">101</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="87.2
usedPersonalProtectiveEquipment"
L="en">usedpersonalprotectiveequipment</cd>
    <content>
        <text L="EN">1,2,3</text>
    </content>
</item>
```

5.3.42   Staff Members

```
<heading> <!-- Staff Members -->
    <id S="ID-KMEHR" SV="1.0">102</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0">staffmembers</cd>
    …
</heading>
```

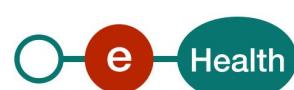#### 5.3.42.1   *staffMember1Qualification*

This indicates the qualification of the member of the ambulance team who drove the ambulance.

Information and possible values:

1. Standard ambulance team member
2. Nurse
3. Physician

```
<item>
    <id S="ID-KMEHR" SV="1.0">1</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="88.1
staffMember1Qualification" L="en"
        >staffmember1qualification</cd>
```

```
<content>
    <id S="LOCAL" SL="ID-staffmember1qualification" SV="1.0">1</id>
</content>
</item>
```

5.3.42.2   staffMember1BadgeNumber

This indicates the badge number in case the staffMember1Qualification equals 1 or 2.

Information and possible values:

Number from 0 till 999999.

```
<item>
    <id S="ID-KMEHR" SV="1.0">2</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="88.1.1
staffMember1BadgeNumber" L="en"
        >staffmember1badgenumber</cd>
    <content>
      <unsignedInt>123456</unsignedInt>
    </content>
</item>
```

5.3.42.3   staffMember1InamiNumber

This indicates the INAMI/RIZIV-number in case the staffMember1Qualification equals 3.

Information and possible values:

Number from 1 00000 00 000   till 1 99999 99 999.

```
<item>
    <id S="ID-KMEHR" SV="1.0">3</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="88.1.2
staffMember1InamiNumber" L="en"
        >staffmember1inaminumber</cd>
    <content>
        <text L="EN">12345678910</text>
    </content>
</item>
```
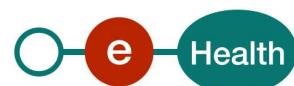
5.3.42.4   staffMember2Qualification

This indicates the qualification of the member of the ambulance team who accompanied the patient in the ambulance.

Information and possible values:

1. Standard ambulance team member
2. Nurse
3. Physician

```
<item>
    <id S="ID-KMEHR" SV="1.0">4</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="88.2
staffMember2Qualification" L="en"
        >staffmember2qualification</cd>
    <content>
        <id S="LOCAL" SL="ID-staffmember1qualification" SV="1.0">1</id>
    </content>
</item>
```

5.3.42.5   staffMember2BadgeNumber

This indicates the badge number in case the staffMember2Qualification equals 1 or 2.

Information and possible values:

Number from 0 till 999999.

```
<item>
    <id S="ID-KMEHR" SV="1.0">5</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="88.2.1
staffMember2BadgeNumber" L="en"
        >staffmember2badgenumber</cd>
    <content>
      <unsignedInt>123456</unsignedInt>
    </content>
</item>
```

5.3.42.6   staffMember2InamiNumber

This indicates the INAMI/RIZIV-number in case the staffMember2Qualification equals 3.

Information and possible values:

Number from 1 00000 00 000   till 1 99999 99 999.

```
<item>
    <id S="ID-KMEHR" SV="1.0">6</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="88.2.2
staffMember2InamiNumber" L="en"
        >staffmember2inaminumber</cd>
    <content>
        <text L="EN">12345678910</text>
    </content>
</item>
```

5.3.42.7   staffMember3Qualification

This indicates, optionally, the qualification of a third member of the ambulance team.

Information and possible values:

1. Standard ambulance team member
2. Nurse
3. Physician

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">7</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="88.3
staffMember1Qualification" L="en"
        >staffmember3qualification</cd>
    <content>
        <id S="LOCAL" SL="ID-staffmember1qualification" SV="1.0">1</id>
    </content>
</item>
```

5.3.42.8   staffMember3BadgeNumber

This indicates the badge number in case the staffMember3Qualification equals 1 or 2.

Information and possible values:

Number from 0 till 999999.

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">8</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="88.3.1
staffMember3BadgeNumber" L="en"
        >staffmember3badgenumber</cd>
    <content>
        <unsignedInt>123456</unsignedInt>
    </content>
</item>
```
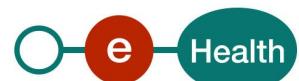
5.3.42.9   staffMember3InamiNumber

This indicates the INAMI/RIZIV-number in case the staffMember3Qualification equals 3.

Information and possible values:

Number from 1 00000 00 000   till 1 99999 99 999.

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">9</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="88.3.2
staffMember3InamiNumber" L="en"
        >staffmember3inaminumber</cd>
    <content>
        <text L="EN">12345678910</text>
    </content>
```

```
    </item>
```

5.3.43 Commentary

Supplementary information the ambulance team wants to transmit to the hospital and which nowhere else could be transmitted.

```
<item>
      <id S="ID-KMEHR" SV="1.0">105</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="89 commentary"
L="en">commentary</cd>
      <content>
            <text L="EN"></text>
      </content>
</item>
```

5.3.44 Form submission 1st part date

Date and time the ambulance team submitted the 1st part of the ambulance form. The time of submission is considered, not the time that the data arrived.

Information and possible values:

Date and hour, minutes, seconds

```
<item>
      <id S="ID-KMEHR" SV="1.0">106</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="90
formSubmission1stPartDate" L="en">formsubmission1stpartdate</cd>
      <content>
            <date>2016-03-08</date>
            <time>09:30:47+05:00</time>
      </content>
</item>
```

5.3.45 Form submission 2nd part date

Date and time the ambulance team submitted the 2nd part of the ambulance form for the first time. The time of submission is considered, not the time the data arrived.

Information and possible values:

Date and hour, minutes, seconds

```
<item>
      <id S="ID-KMEHR" SV="1.0">107</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="91
formSubmission2ndPartDate" L="en">formsubmission2ndpartdate</cd>
      <content>
```

```
        <date>2016-03-08</date>

        <time>09:30:47+05:00</time>

    </content>

</item>
```

5.3.46 Form submission 2nd part last date

Date and time the ambulance team submitted the 2nd part of the ambulance form for the **last time**.

<u>Information and possible values:</u>

Date and hour, minutes, seconds

```
<item>

    <id S="ID-KMEHR" SV="1.0">107</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="91.1
formSubmission2ndPartDate_lastTime" L="en">
formsubmission2ndpartdate_lasttime</cd>

    <content>

        <date>2016-03-08</date>

        <time>09:30:47+05:00</time>

    </content>

</item>
```

5.3.47 Software Provider Identity

The number representing the software provider implementing the webservice of the ambulance service. The number corresponds with the CBE number of the software provider.

```
<item>

    <id S="ID-KMEHR" SV="1.0">108</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="92
softwareProviderIdentity" L="en">softwareprovideridentity</cd>

    <content>

        < text L="en">1</text>

    </content>

</item>
```

5.3.48 Software Provider Release

Release indication of the software that implements the webservice of the ambulance.

```
<item>

    <id S="ID-KMEHR" SV="1.0">109</id>

    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="93 softwareProviderRelease"
L="en">softwareproviderrelease</cd>

    <content>
```

```xml
        <text L="EN"/>
    </content>
</item>
```

5.4 Transaction part 3

This section contains all the variables from SDS.

5.4.1 Service code

This is the approval number of the Service. This information is returned as received in the SDS data.

Information and possible values:

3 digits, possible values can be retrieved on the website of the FPS Public Health[3].

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">1</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="2 ServiceCode" L="en">
        servicecode
    </cd>
    <content>
        <id S="LOCAL" SL="ID-servicecode" SV="1.0" >123</id>
    </content>
    <text L="EN">Code of the service</text>
</item>
```

5.4.2 Site Code

This is the number of the site being the departure site on the intervention day. This information will be provided by the system based on TeamIdentification and present in SDS data.

Information and possible values:

5 digits, possible values can be retrieved on the website of the FPS Public Health[4].

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">4</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="3 SiteCode" L="en"
    >servicesitecode</cd>
    <content>
        <text L="EN">12345</text>
    </content>
</item>
```

---

[3] **https://www.health.belgium.be/nl/richtlijnen-ambureg**

[4] **https://www.health.belgium.be/nl/richtlijnen-ambureg**

5.4.3   Call date

This is the date of the call.
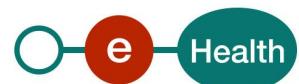
```
<item>
      <id S="ID-KMEHR" SV="1.0">6</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="7 callDate"
L="en">calldate</cd>
      <content>
            <date>2016-08-13</date>
      </content>
</item>
```

5.4.4   Call time

This is the time of the call.

```
<item>
      <id S="ID-KMEHR" SV="1.0">7</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="8 callTime"
L="en">calltime</cd>
      <content>
            <time>09:30:47+05:00</time>
      </content>
</item>
```

5.4.5   Reinforcements

This contains reinforcements information, as comes from the 100/112 operator.

```
<heading>
      <id S="ID-KMEHR" SV="1.0">5</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Reinforcements information,
as comes from the 100/112 operator" L="en">reinforcements</cd>
      …
</heading>
```
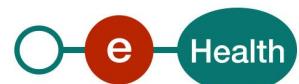
5.4.5.1   Reinforcement unit flag

Ambulance is called as reinforcement of unit(s) alerted earlier.

This variable is for future use.

Information and possible values:

- TRUE
- FALSE (no reinforcement)

```
<item>

      <id S="ID-KMEHR" SV="1.0">9</id>

      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="10 reinforcementUnitFlag"
L="en">reinforcementunitflag</cd>

      <content>

            <boolean>false</boolean>

      </content>

</item>
```

5.4.5.2   Reinforcement timing

If reinforcementUnitFlag is set to true, this contains date and hour of the call towards 100/112 emergency room asking for reinforcement.

This variable is for future use.

Information and possible values:

Date and hour, minutes, seconds.

```
<item>

      <id S="ID-KMEHR" SV="1.0">10</id>

      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="12 reinforcementTiming"
L="en">reinforcementtiming</cd>

      <content>

            <date>2016-08-13 12:00:15</date>

      </content>

</item>
```

5.4.5.3   Reinforcement caller code

If reinforcementUnitFlag is set to true, this indicates the person who called and asked for reinforcement.

This variable is for future use.

Information and possible values:
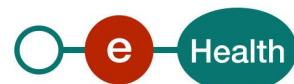
1. Layman ;
2. Privileged witness (police, fire service, emergency service, first responder…);
3. Professional health worker (no MD) ;
4. Medical doctor (MD) ;
5. Ambulance 112;
6. PIT;
7. MUG/SMUR.

```
<item>

      <id S="ID-KMEHR" SV="1.0">11</id>

      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="13 reinforcementCallerCode"
L="en">reinforcementcallercode</cd>

      <content>
```

```
        <id S="LOCAL" SL="ID-reinforcementcallercode" SV="1.0"
>7</id>

     </content>

</item>
```

5.4.6   Initial quality

This indicates how the ambulance was dispatched. It is only filled out when reinforcementUnitFlag is set to false.

This variable is for future use.

Information and possible values:

1. According to 112 protocol and degree of severity: as ambulance with or without MUG/SMUR;
2. Upgrading (instead of PIT, together with MUG/SMUR);
3. Downgrading (instead of PIT, without MUG/SMUR);
4. Simultaneously alerted as reinforcement of other ambulance or PIT.

```
<item>

     <id S="ID-KMEHR" SV="1.0">12</id>

     <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="14 initialQuality"
L="en">initialquality</cd>

     <content>

          <id S="LOCAL" SL="ID-initialquality" SV="1.0" >4</id>

     </content>

</item>
```

5.4.7   Protocol code

This indicates pathology as identified by 100/112 operator.

This variable is for future use.

Information and possible values:

1. Cardiac arrest – deceased
2. CVA – TIA
3. Weapon wound
4. Burn – Fire
5. Fall from a high height
6. Patient with defibrillator - Pacemaker
7. Diabetes
8. Breathing difficulties
9. Chest pain
10. Non-traumatic abdominal pain
11. Non-traumatic back pain
12. Electrocution – electrification
13. Epilepsy - convulsions
14. Pregnancy – delivery

15. Bleeding – loss of blood
16. Long-lasting entrapment – crushing
17. Unconsciousness – syncope
18. Alcohol intoxication
19. Drug intoxication
20. Medication intoxication
21. Product intoxication
22. CO intoxication
23. Headache
24. Unclear problem
25. Animal bite
26. Drowning – diving accident
27. Respiratory obstruction
28. Hanging – Strangulation
29. Psychiatric problems
30. Allergic reactions
31. Trauma – amputation
32. Skull trauma
33. Fever in a child – fever convulsions
34. Heat stroke
35. Automatic external defibrillator
36. Person does not answer the call
37. Cardiac trouble (other than chest pain)
38. Medical intervention plan (MIP)
39. Cardiac trouble (other than chest pain)
40. Medical intervention plan (MIP)
41. 41 till 99 : reserved value

```
<item>
    <id S="ID-KMEHR" SV="1.0">13</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="15 protocolCode"
L="en">protocolcode</cd>
    <content>
        <id S="LOCAL" SL="ID-protocolcode" SV="1.0" >40</id>
    </content>
</item>
```

5.4.8   Degree severity level

This is determined by 100/112 operator. It defines the severity of the intervention.

This variable is for future use.

<u>Information and possible values:</u>

1. Critical (Immediately life-threatening);
2. Severe (Life-threatening (short-term evolution));

3. Substantial (Not immediately life-threatening but quick assistance is needed);
4. Moderate (Not life-threatening but assistance is needed) ;
5. Low (Not life-threatening and no emergency assistance needed);
6. Non-urgent (Falls outside the scope of Emergency Medical Assistance (assistance from the general practitioner on call or the attending physician or another care provider) may be sufficient in the hours to come).

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">14</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="16 degreeSeverityLevel"
L="en">degreeseveritylevel</cd>
    <content>
        <id S="LOCAL" SL="ID-degreeseveritylevel" SV="1.0" >7</id>
    </content>
</item>
```

5.4.9 Departure location

This is the optional location where the ambulance was alerted.

This variable is for future use.

Information and possible values:

1. No value
2. Station or quarter (AQ)
3. After previous mission, before arriving at quarter (AV)
4. From a preventive intervention scene

```xml
<item>
    <id S="ID-KMEHR" SV="1.0">15</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="17 departureLocation"
L="en">departurelocation</cd>
    <content>
        <id S="LOCAL" SL="ID-departurelocation" SV="1.0" >3</id>
    </content>
</item>
```

5.4.10 Coord team alert

This contains the coordinates of the team, comes from the 100/112 operator.

```xml
<heading>
    <id S="ID-KMEHR" SV="1.0">6</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Coordinates of the team,
comes from the 100/112 operator" L="en">coordteamalert</cd>

    …

</heading>
```

5.4.10.1 X coord WGS84 team alert

X coordinate of the team at the time of the alert.

This variable is for future use.

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">32</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="26.1 xCoordWGS84TeamAlert"
L="en">xcoordwgs84teamalert</cd>
        <content>
                <decimal>1.1</decimal>
        </content>
</item>
```

5.4.10.2 Y coord WGS84 team alert

Y coordinate of the team at the time of the alert.

This variable is for future use.

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">33</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="26.2 yCoordWGS84TeamAlert"
L="en">ycoordwgs84teamalert</cd>
        <content>
                <decimal>1.1</decimal>
        </content>
</item>
```

5.4.10.3 X coord WGS84 team avail

X coordinate of the means of location when status is available.

This variable is for future use.

```xml
<item>
        <id S="ID-KMEHR" SV="1.0">34</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="27.1 xCoordWGS84TeamAvail"
L="en">xcoordwgs84teamavail</cd>
        <content>
                <decimal>1.1</decimal>
        </content>
</item>
```

5.4.10.4 Y coord WGS84 team avail

Y coordinate of the means of location when status is available.

This variable is for future use.

```
<item>
      <id S="ID-KMEHR" SV="1.0">35</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="27.2 yCoordWGS84TeamAvail"
L="en">ycoordwgs84teamavail</cd>
      <content>
            <decimal>1.1</decimal>
      </content>
</item>
```

5.4.11   Site Address

Intervention address

```
<item>
      <id S="ID-KMEHR" SV="1.0">28</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="28 siteAddress"
L="en">siteaddress</cd>
      <content>
            <location>
                  <address>
                        <cd S="CD-ADDRESS" SV="1.1">site</cd>
                        <country>
                              <cd S="CD-FED-COUNTRY" SV="1.0">BE</cd>
                        </country>
                        <zip>1000</zip>
                        <city>azerty</city>
                        <street>test</street>
                        <housenumber>10</housenumber>
                        <postboxnumber>B</postboxnumber>
                  </address>
            </location>
      </content>
</item>
```

5.4.12   Timings

This contains the different timings as in the SDS message.

```
<heading>
      <id S="ID-KMEHR" SV="1.0">5</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Different timings as in the
SDS message" L="en">timings</cd>
```

```
      …
</heading>
```

5.4.12.1   Intervention Team Call Time

Date and time of the first ring tone of the call.

Also known as "timeAlertMug".

```
<item>
      <id S="ID-KMEHR" SV="1.0">18</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="18
InterventionTeamCallTime" L="en"
         >interventionteamcalltime</cd>
      <content>
            <date>2016-08-13</date>
            <time>09:30:47+05:00</time>
      </content>
</item>
```

5.4.12.2   Intervention Team Timing Start

Departure date and time of the intervention team.

Also known as "timeDeparture".

```
<item>
      <id S="ID-KMEHR" SV="1.0">19</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="19
InterventionTeamTimingStart" L="en"
         >interventionteamstart</cd>
      <content>
            <date>2016-08-13</date>
            <time>09:30:47+05:00</time>
      </content>
</item>
```

5.4.12.3   Intervention Team Timing Site Arrival

Arrival date and time on site.

Also known as "timeArrivalIncident".

```
<item>
      <id S="ID-KMEHR" SV="1.0">20</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="20.1
InterventionTeamTimingSiteArrival" L="en"
```

```
        >interventionteamsitearrival</cd>
    <content>
            <date>2016-08-13</date>
            <time>09:30:47+05:00</time>
    </content>
</item>
```

5.4.12.4 *Patient Site Departure*

Departure date and time of the intervention team from the site.

Also known as "timeDepartureInterventionPlace".

```
<item>
      <id S="ID-KMEHR" SV="1.0">21</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="21 PatientSiteDeparture"
L="en"
        >patientsitedeparture</cd>
      <content>
            <date>2016-08-13</date>
            <time>09:30:47+05:00</time>
      </content>
</item>
```

5.4.12.5 *Patient Hospital Arrival*

Arrival date and time of the intervention team at the hospital.

Also known as "timeArrivalHospital".

```
<item>
      <id S="ID-KMEHR" SV="1.0">22</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="22 PatientHospitalArrival"
L="en"
        >patienthospitalarrival</cd>
      <content>
            <date>2016-08-13</date>
            <time>09:30:47+05:00</time>
      </content>
</item>
```

5.4.12.6 *Intervention Team Base Return*

Date and time of the intervention teams 'return to base.

This variable is for future use.

```
<item>
```

```
        <id S="ID-KMEHR" SV="1.0">23</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN=" 23
InterventionTeamBaseReturn" L="en"
            >interventionteambasereturn</cd>
        <content>
                <date>2016-08-13</date>
                <time>09:30:47+05:00</time>
        </content>
</item>
```

5.4.12.7   Intervention Team Available

Date and time of when the unit goes back to available status.

Previously known as InterventionTeamBaseArrival.

```
<item>
        <id S="ID-KMEHR" SV="1.0">24</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="24.2
InterventionTeamAvailable" L="en"
            > interventionteamavailable</cd>
        <content>
                <date>2016-08-13</date>
                <time>09:30:47+05:00</time>
        </content>
</item>
```

5.4.12.8   Intervention Team Fully Available

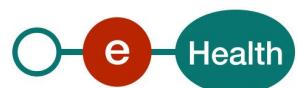Date and time of when the unit is really available at quarter again, after cleaning, replacement of material, etc.

```
<item>
        <id S="ID-KMEHR" SV="1.0">24</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="24.3
InterventionTeamAvailable" L="en"
            > interventionteamfullyavailable </cd>
        <content>
                <date>2016-08-13</date>
                <time>09:30:47+05:00</time>
        </content>
</item>
```

5.4.12.9   placeCodeV2

Type of intervention site

```
<item>
      <id S="ID-KMEHR" SV="1.0">200</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="25.1 PlaceCode"
L="en">placecode</cd>
      <content>
            <id S="LOCAL" SL="ID-placecode" SV="1.0">3</id>
      </content>
</item>
```

The following values can be used:

1. private
2. specific residence
3. public place
4. public road
5. school and nursery
6. workplace
7. disaster
8. other

5.4.12.10   placeCode Manifestation flag

If placeCodeV2 = 3 or 4, indicates whether the patient was implied in a mass manifestation.

```
<item>
      <id S="ID-KMEHR" SV="1.0">201</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="25.2
placecodemanifestationflag" L="en">placecodemanifestationflag</cd>
      <content>
            <boolean>false</boolean>
      </content>
</item>
```

5.4.12.11   placeCode Specific Residence

If placeCodeV2 = 2, indicates the kind of the specific residence.

```
<item>
      <id S="ID-KMEHR" SV="1.0">202</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="25.3
placecodespecificresidence" L="en">placecodespecificresidence</cd>
      <content>
            <id S="LOCAL" SL="ID- placecodespecificresidence"
SV="1.0">3</id>
      </content>
```

```
</item>
```

Information and possible values:

1. residential care center
2. hospital / revalidation center
3. psychiatric hospital / psychiatric care center
4. jail / police site or cell / detention center
5. shelter

5.4.12.12   New call before arrival Base Flag

This indicates whether a new intervention started before the arrival at the quarter.

This variable is for future use.

Information and possible values:

- TRUE
- FALSE (no new intervention started; DEFAULT)

```
<item>
        <id S="ID-KMEHR" SV="1.0">241</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="24.1
newcallbeforearrivalBaseFlag
" L="en">newcallbeforearrivalbaseflag </cd>
        <content>
                <boolean>false</boolean>
        </content>
</item>
```

5.4.13   Other SDS data

This contains other SDS data as received by the 100/112 central, but not currently used in this project.

```
<heading>
        <id S="ID-KMEHR" SV="1.0">6</id>
        <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="Other SDS data as received
by the 100/112 central, but not currently used in this project"
L="en">otherSdsData</cd>
        …
</heading>
```

5.4.13.1   Caller code

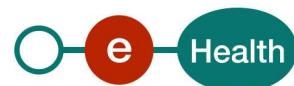THIS VARIABLE DOES NOT APPLY FOR AMBUREG.

```
<item>
        <id S="ID-KMEHR" SV="1.0">8</id>
```

```
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="9.1 CallerCode"
L="en">callercode</cd>
        <content>
            <id S="LOCAL" SL="ID-callercode" SV="1.0">3</id>
        </content>
</item>
```

5.4.13.2   Intervention Team Radio Number

THIS VARIABLE DOES NOT APPLY FOR AMBUREG.

```
<item>
    <id S="ID-KMEHR" SV="1.0">4</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="9.4
InterventionTeamRadioNumber" L="en"
    >interventionteamradionumber</cd>
        <content>
            <text L="EN">123</text>
        </content>
</item>
```

5.4.13.3   Place code

THIS VARIABLE DOES NOT APPLY FOR AMBUREG.

```
<item>
    <id S="ID-KMEHR" SV="1.0">16</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="95 PlaceCode"
L="en">placecode</cd>
        <content>
            <id S="LOCAL" SL="ID-placecode" SV="1.0">3</id>
        </content>
</item>
```

5.4.13.4   Transportation Code

THIS VARIABLE DOES NOT APPLY FOR AMBUREG.

```
<item>
    <id S="ID-KMEHR" SV="1.0">25</id>
    <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="94 TransportationCode"
L="en">transportationcode</cd>
        <content>
            <id S="LOCAL" SL="ID-transportationcode" SV="1.0">3</id>
        </content>
</item>
```

5.4.13.5   Hospital Choice Code

THIS VARIABLE DOES NOT APPLY FOR AMBUREG.

```xml
<item>
      <id S="ID-KMEHR" SV="1.0">26</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="42.1 HospitalChoiceCode"
L="en">hospitalchoicecode</cd>
      <content>
            <id S="LOCAL" SL="ID-hospitalchoicecode" SV="1.0">1543</id>
      </content>
</item>
```

5.4.13.6   Hospital Choice Site Code

THIS VARIABLE DOES NOT APPLY FOR AMBUREG.

```xml
<item>
      <id S="ID-KMEHR" SV="1.0">27</id>
      <cd S="LOCAL" SL="CD-EMSR" SV="1.0" DN="42.2
HospitalChoiceSiteCode" L="en">hospitalchoicesitecode</cd>
      <content>
            <id S="LOCAL" SL="ID-hospitalchoicesitecode" SV="1.0">3</id>
      </content>
</item>
```