

**HL7 v2 Global
Message Profile Library
User's Guide**

Provided by the

HL7 Conformance SIG

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Getting Started

INTRODUCTION

The HL7 v2 Global Message Profile Library (Library) is available for HL7 members via the members-only website (<http://www.hl7.org/memonly/conformance>).

The reader is referred to section 2.12 of the HL7 v2.5 specification for details about Conformance using Message Profiles. For detailed background information regarding message profiles, the reader is referred to the Conformance SIG balloted informative document, "Message Profiling Specification, Version 2.2", published November 30, 2000, upon which this section is based. This document is available from the HL7 Conformance SIG Web site (<http://www.hl7.org>).

Beyond the benefits accrued by two or more parties who define and use the same message profile are the benefits that could be accrued to larger communities-of-interest in having a definitive pool of message profiles from which to choose and ultimately coalesce. Ultimately, the less interface tweaking that must occur between two or more parties, by each party, multiple times, the less costly the development and maintenance. Reusing existing message profiles will reduce the ongoing need for interfaces to be tweaked for each communication between two parties. HL7 v2 Global Message Profile Library provides a catalog (or pool) of message profiles. A valid message profile is assigned a unique identifier (OID), if one is not provided, and is then registered. The HL7 Global Message Profile Library can be found at <http://www.hl7.org/memonly/conformance/>.

The first screen presented to the user upon entering the Library is the list of Profiles.

The screenshot displays the "HL7 v2 Global Message Profile Library - v2.5 Ballot (Dev)" web application. The page features a navigation menu with links for "Welcome Lisa!", "HL7 Home", "Profiles", "Archive", "Submission Form", "Search", and "Comments/Suggestions". Below the menu, the "List of Profiles:" section shows "1 through 10 of 16" profiles. The profiles are listed in a table with columns for Profile, HL7 Version, MSG Type, Msg Struct Type, Trig Event, Ord Ctrl, App Role, and Profile Type. Each profile entry includes a "View" link and a "Used By" count. The profiles listed are:

Profile	HL7 Version	MSG Type	Msg Struct Type	Trig Event	Ord Ctrl	App Role	Profile Type
2.16.840.1.113883.9.1	2.5	ADT	ADT_A01	A01	N/A	S	Cons
Associations	View	Submission Details	Date Ver	Submitter Organization	Phone Fax		
			09/27/02 D	Little, Alan Testing, Inc.		734-973-1995	
2.16.840.1.113883.9.10	2.4	ADT	ADT_A01	A01	N/A	S	Cons
Associations	View		11/20/02 D	Little, Alan McKesson Information Solutions		734-973-1995	
2.16.840.1.113883.9.11	2.4	ADT	ADT_A01	A01	N/A	S	Cons
Associations	View		11/20/02 D	Little, Alan McKesson Information Solutions		269-964-1637	
2.16.840.1.113883.9.12	2.4	ADT	ADT_A01	A01	N/A	S	Cons
Associations	View		11/20/02 D	Little, Alan McKesson Information Solutions		734-973-1995	
2.16.840.1.113883.9.15	2.4	ADT	ADT_A01	A04	N/A	S	Impl
Associations	View		12/10/02 D	Little, Alan McKesson Information Solutions		734-973-1995	
2.16.840.1.113883.9.16	2.4	ADT	ADT_A01	A04	N/A	S	Impl
Associations	View		12/11/02 D	Puyenbroek, Jennifer McKesson Information Solutions		404-338-3324 404-338-5111	
2.16.840.1.113883.9.17	2.4	ADT	ADT_A01	A01	N/A	S	Cons

PROFILE DOCUMENT VALIDATION

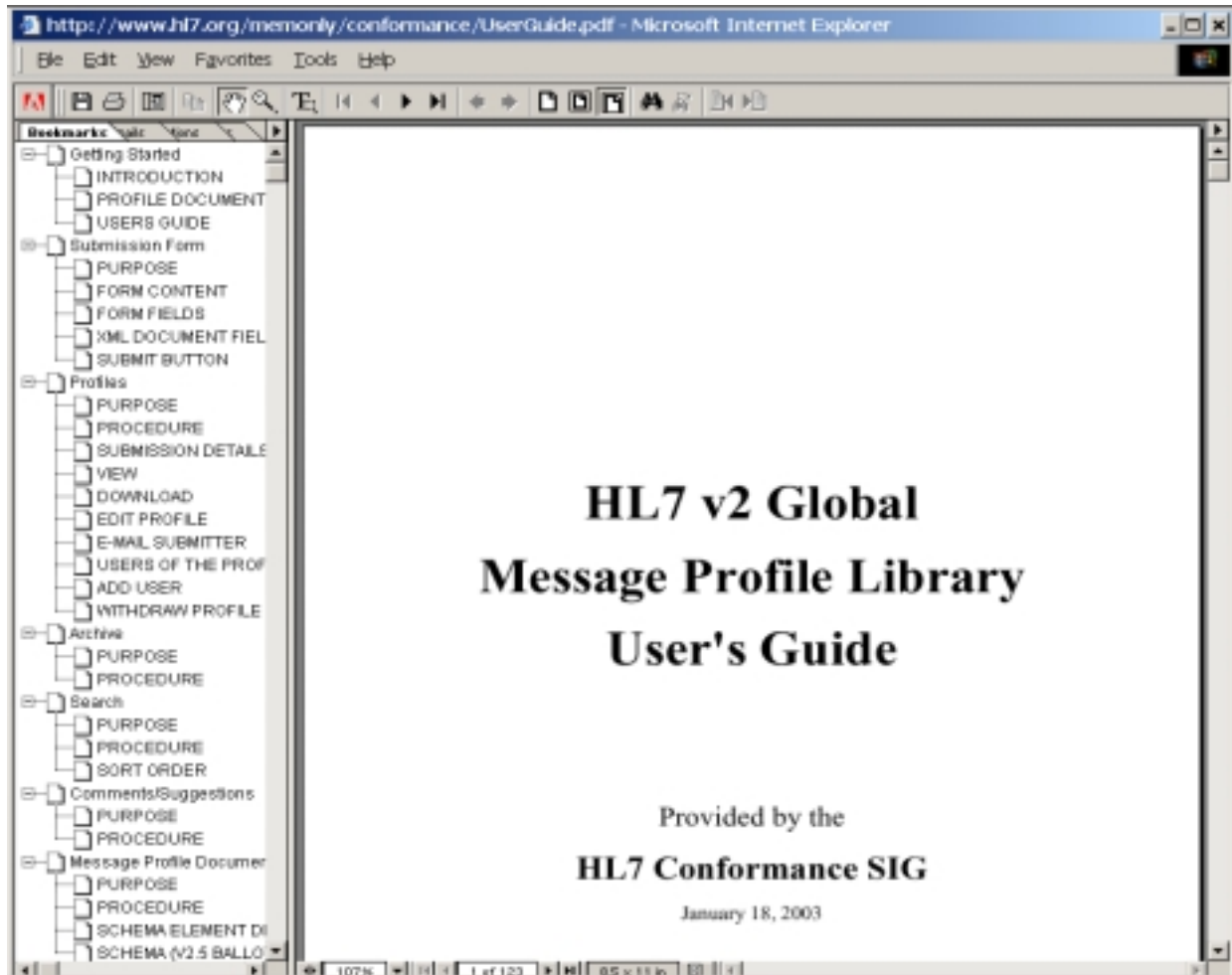
The message profile is validated against a Message Profile Schema that checks to see if the rules of the schema are followed. A message profile must validate to the schema to be registered in the Library. A Document Type Definition (DTD) is also available for use; however validation to the DTD is not sufficient for registration into the Library. Note that the rules delineated by the Message Profile Schema constitute the normative requirements for a message profile, whereas the rules delineated by the DTD are considered informative. (See Sections 2.12 and 2.19 of the HL7 V2.5 standard)

The Message Work Bench (MWB) automates the development of HL7 version 2.x message profiles. It is based on the Message Profiling Specification and the v2.5 ballot Chapter 2 Conformance Section. The MWB creates an XML document that represents the message profile. It is this XML document that will be validated and registered with HL7. This application can be downloaded directly from www.hl7.org (© Special Interest Group © Conformance © documentation). In order to support the longevity of the MWB, work is in progress to create an open source group that manages this free tool.

HL7 does not perform certification of implementations against a message profile. A third party certification service, such as the Australian Healthcare Messaging Laboratory (AHML), can be used to perform certifications of implementations against message profiles.. HL7 does not formally recognize any third party certification service. For more information regarding the AHML, please see www.ahml.com.au

USERS GUIDE

The Users Guide can be viewed from many of the web pages by clicking on the “Users Guide” hyperlink. To download this, “right-click” on the “Users Guide” hyperlink and select the “save target as..” from the menu.



Submission Form

PURPOSE

The purpose of this form is to register the Message Profile with HL7.

FORM CONTENT

The following screen appears when the Submission Form is selected.

The screenshot shows a web browser window titled "Health Level Seven - v2 Global Message Profile Library - Microsoft Internet Explorer". The address bar shows the URL. The page content includes a navigation menu with links: "Welcome Lisa!", "HL7 Home", "Profiles", "Archive", "Submission Form", "Search", and "Comments/Suggestions". The main heading is "Submission Form". Below the heading, there is a message: "Your information is filed in based on the information you submitted when you registered. Please check it and make any needed changes. For HL7 Affiliate members, please indicate which affiliate you are with." There are three hyperlinks: "Users Guide", "DTD", and "Schema". The form fields are as follows:

Date:	01/08/2003
Organization:	National Institute of Standard
HL7 Affiliate:	None
Submitter's First Name:	Lisa
Submitter's Last Name:	Carnehan
E-mail:	lisa.carnehan@nist.gov
Phone:	301-975-3362
Fax:	301-948-6213
Comment:	<input type="text"/>
For More Info (email or URL):	<input type="text"/>
Keywords:	<input type="text"/>
External Document:	<input type="text"/> Browse...
Associated Profile(s)	Click below to search and select profiles, to manually add OIDS, or to review and/or remove profiles: Search & Select Manual Add Review/Remove

At the bottom of the form is a "Submit" button.

The User Guide hyperlink will open a copy of this document in another browser window.

The Current schema hyperlink will open a copy of the Message Profile Schema in another browser window.

Either of these documents may be downloaded by “right clicking” the hyperlink and select “save as” to select a location for storing the document.

The following is a fully completed form.

Health Level Seven - v2 Global Message Profile Library - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media

Address

HL7 v2 Global Message Profile Library - v2.5 Ballot (Dev)

Welcome Lisa! [HL7 Home](#) [Profiles](#) [Archive](#) [Submission Form](#) [Search](#) [Comments/Suggestions](#)

Submission Form

Your information is filed in based on the information you submitted when you registered.
Please check it and make any needed changes. For HL7 Affiliate members, please indicate which affiliate you are with.

[Users Guide](#) [DTD](#) [Schema](#)

Date:	01/08/2003
Organization:	National Institute of Standard
HL7 Affiliate:	None
Submitter's First Name:	Lisa
Submitter's Last Name:	Comahan
E-mail:	lisa.comahan@nist.gov
Phone:	301-975-3362
Fax:	301-948-6213
Comment:	This is a test profile
For More Info (email or URL):	
Keywords:	message profile, test
External Document:	C:\division-projs\healthcare\ Browse...
Associated Profile(s)	Click below to search and select profiles, to manually add OIDS, or to review and/or remove profiles: Search & Select Manual Add Review/Remove

Submit

Internet

FORM FIELDS

The contents of these form fields will override the contents of the XML document.

Field	Description
Date	The current date is automatically provided
Organization	The login organization is provided and may be updated.
HL7 Affiliate	The HL7 affiliate members provide affiliate name
Submitter's First Name	The login first name is provided and may be updated
Submitter's Last Name	The login last name is provided and may be updated
E-mail	E-mail address for the purpose of allowing questions by other potential users of the profile.
Phone	Phone number where submitter can be reached during normal business hours.
Fax	Fax number where submitter can be reached during normal business hours.
Comments	Further describes of the Static Message Profile
External Document	The Xml document containing the Static Message Profile
Associated Profiles	Any previously registered profiles to which this profile should be associated to fully communicate a dynamic interaction.

XML DOCUMENT FIELDS

The following fields will be populated based on the contents of the XML document.

Field	Element	Attribute	Description
HL7 Version	HL7v2xConformanceProfile	HL7Version	The version number of the HL7 standard. The user selects from a pull-down list.
Message Type	HL7v2xStaticDef	MsgType	The HL7 message type code, usually MSH-9.1 (see HL7 Table 0076 - Message type). The user selects from a pull-down list.
Message Structure Type	HL7v2xStaticDef	MsgStructID	The HL7 message structure code, usually MSH-9.3 (see HL7 Table 0354 - Message Structure Type). The user selects from a pull-down list.
Trigger	HL7v2xStaticDef	EventType	The HL7 event type code, usually MSH-9.2 (see HL7 Table 0003 - Event type)
Z Trigger	HL7v2xStaticDef	EventType	The 2 nd and 3 rd characters of a Z trigger event not found in the pull down list under Trigger (this will be dynamically added once this profile is successfully registered).
Order Control Code	HL7v2xStaticDef	OrderControl	The HL7 Order control code, usually ORC 1.

Field	Element	Attribute	Description
Profile Level	HL7v2xConformanceProfile	ConformanceType	Two selections are allowed: <ul style="list-style-type: none">o Constrainable (If any item within the profile is optional; not implementable; requires further constraints)o Implementation (If the profile has every item specified, e.g., implementable without the need of site negotiation)

SUBMIT BUTTON

After the Submission Form is completed, click the Submit button. When the document is successfully submitted, a unique identifier (OID) will be automatically generated if not present in the profile document.

The identifier is a means to uniquely identify the static definition portion of a message profile

Note: The registration authority represents the branch from ISO to HL7 Global Message Profile Library and is specified as **joint-iso-ccitt(2) country(16) US(840) organization(1) hl7(113883).conformance(9)**.

Once the Message Profile Registration database is updated, the Add User screen is presented. Refer to that section for details.

To see a list of Profiles, click on the “Profiles” hyperlink from the horizontal menu of the tool.

Profiles

PURPOSE

This function presents a list of the active registered Message Profiles

PROCEDURE

Select the “Profiles” hyperlink from the horizontal menu of the tool.

The following is an example of the first screen that appears when selecting the Profiles function.

HL7 v2 Global Message Profile Library - v2.5 Ballot (Dev)

Welcome Lisa! | [HL7 Home](#) | **Profiles** | [Archive](#) | [Submission Form](#) | [Search](#) | [Comments/Suggestions](#)

List of Profiles: 1 through 10 of 17 | [Users Guide](#) | [DTD](#) | [Schema](#)

Profile	HL7 Version	MSG Type	Msg Struct Type	Trig Event	Ord	App Role	Profile Type
2.16.840.1.113883.9.98765	2.4	NMQ	ZZ_VV	N01	N/A	S	Cons
View	09/26/02	D	Little, Alan	AMG		734-973-1995	
2.16.840.1.113883.9.14	2.4	ADT	ADT_A01	A04	N/A	S	Impl
View	12/04/02	D	Puyenbroek, Jennifer	McKesson Information Solutions		404-338-3324 404-338-5111	
2.16.840.1.113883.9.15	2.4	ADT	ADT_A01	A04	N/A	S	Impl
View	12/10/02	D	Little, Alan	McKesson Information Solutions		734-973-1995	
2.16.840.1.113883.9.16	2.4	ADT	ADT_A01	A04	N/A	S	Impl
View	12/11/02	D	Puyenbroek, Jennifer	McKesson Information Solutions		404-338-3324 404-338-5111	
2.16.840.1.113883.9.1	2.5	ADT	ADT_A01	A01	N/A	S	Cons
View	09/27/02	D	Little, Alan	Testing, Inc.		734-973-1995	
2.16.840.1.113883.9.2	2.4	ADT	ADT_A01	A01	N/A	S	Cons
View	10/12/02	D	Puyenbroek, Jennifer	McKesson Information Solutions		404-338-3324 404-338-5111	
2.16.840.1.113883.9.3	2.4	ADT	ADT_A01	A01	N/A	S	Cons
View	11/12/02	D	Little, Alan	McKesson Information Solutions		734-973-1995	
2.16.840.1.113883.9.4	2.4	ADT	ADT_A01	A01	N/A	S	Cons
View	11/12/02	D	Little, Alan	McKesson Information Solutions		734-973-1995	
2.16.840.1.113883.9.5	2.5	ADT	ADT_A01	A01	N/A	S	Cons

The profiles are displayed sequentially by identifier. The order can be altered by selecting one or more up/down arrows in the column headings. Only active (not withdrawn) profiles will be displayed.

SUBMISSION DETAILS

The following screen is a result of clicking on the identifier hyperlink for the profile.

HL7 v2 Global Message Profile Library - v2.5 Ballot (Dev)	
Welcome Lisa! HL7 Home Profiles Archive Submission Form Search Comments/Suggestions	
Edit this profile Withdraw this profile	
OID	2.16.840.1.113883.9.16
Date submitted	12/11/02
Submitter	Puyenbroek, Jennifer
Organization	Mckesson Information Solutions
Phone	404-338-3324
E-mail	jennifer.puyenbroek@mckesson.com
HL7 Version	2.4
Message Type	ADT
Trigger	A04
Order Control Code	N/A
Profile Type	Implementation
Comment	test
For More Info	
Key Words	test
External Document	View Download
Associated Profile(s)	None
Used By	1

To E-mail Submitter, click on the “e-mail” hyperlink.

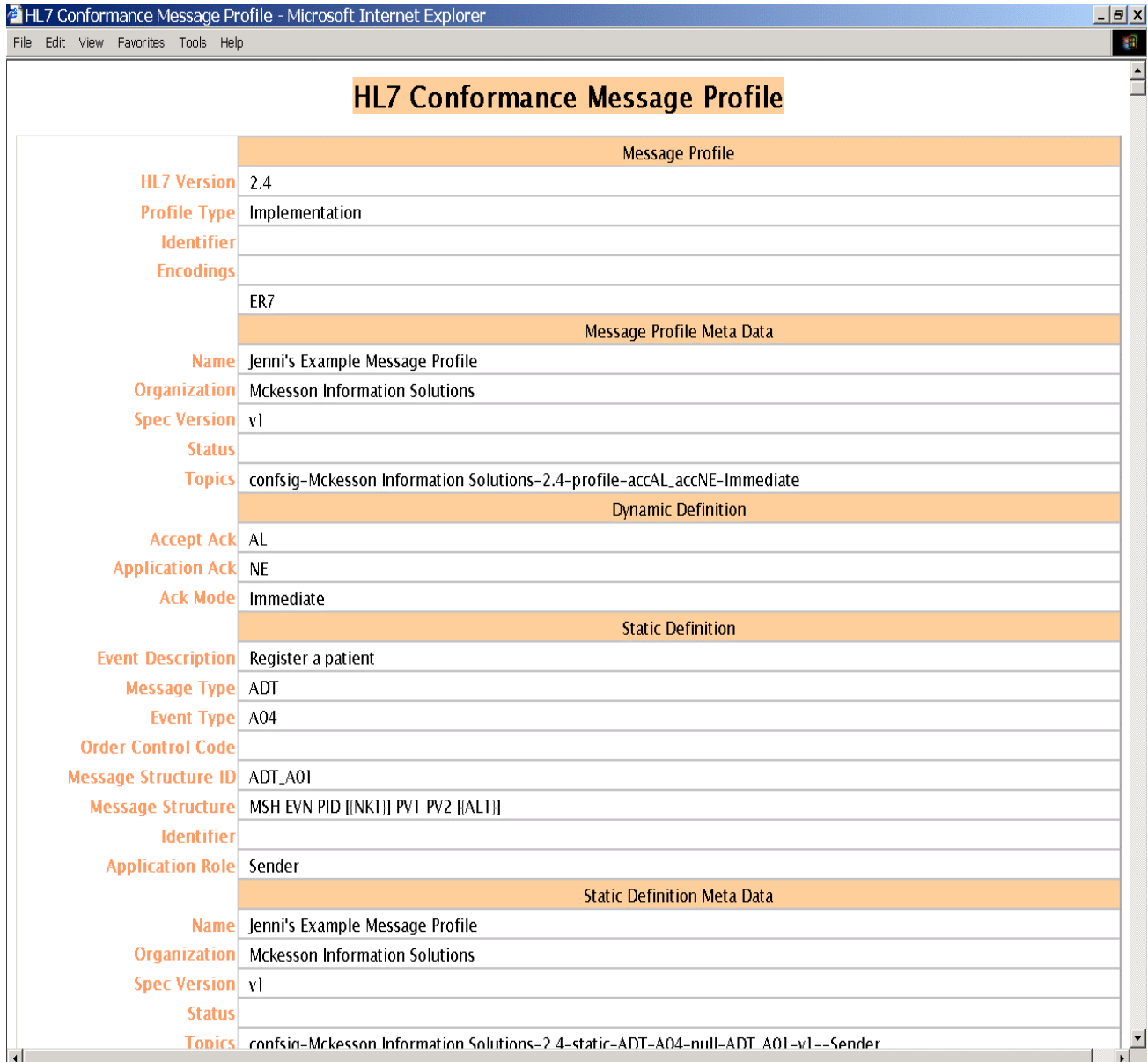
To display the formatted version of the profile, click on the “View” hyperlink. To view the profile using your Internet browser’s XML parser, click on the “Download” hyperlink. Alternatively, the Profile document can be downloaded to the local system by “right clicking” on the Download hyperlink and selecting “save target as..”.

The Users of the Profile can be viewed by selecting the “Used By” hyperlink.

If the user has permissions to edit or withdraw this message profile, they will see the Edit Profile and Withdraw Profile hyperlinks. Select the appropriate hyperlink.

VIEW

When the user selects the “View” hyperlink, a stylesheet is applied to the message profile XML document to provide a formatted display. This method will be reviewed with various browsers (of different version) and operating systems to ensure all users can view this profile.



HL7 Conformance Message Profile	
Message Profile	
HL7 Version	2.4
Profile Type	Implementation
Identifier	
Encodings	ER7
Message Profile Meta Data	
Name	Jenni's Example Message Profile
Organization	Mckesson Information Solutions
Spec Version	v1
Status	
Topics	confsig-Mckesson Information Solutions-2.4-profile-accAL_accNE-Immediate
Dynamic Definition	
Accept Ack	AL
Application Ack	NE
Ack Mode	Immediate
Static Definition	
Event Description	Register a patient
Message Type	ADT
Event Type	A04
Order Control Code	
Message Structure ID	ADT_A01
Message Structure	MSH EVN PID [[NK1]] PV1 PV2 [[AL1]]
Identifier	
Application Role	Sender
Static Definition Meta Data	
Name	Jenni's Example Message Profile
Organization	Mckesson Information Solutions
Spec Version	v1
Status	
Topics	confsig-Mckesson Information Solutions-2.4-static-ADT-A04-null-ADT_A01-v1--Sender

DOWNLOAD

When the user selects the “Download” hyperlink, the XML document is presented according to the browser’s capabilities. Below is how the most recent version of Microsoft Internet Explorer would display this. Users may download this to their hard drive by using their browser’s “file save as” capabilities. Another download option is to “right click” on the Download hyperlink and select “save target as” on the menu.

```

<?xml version="1.0" encoding="UTF-8" ?>
- <Specification SpecName="Jenni's Example Message Profile" OrgName="Mckesson Information Solutions" HL7Version="2.4" SpecVersion="v1" Status="" ConformanceType="Implementation" Role="Sender" HL7OID="">
- <UseCase>
- <Actor Name="Hospital Registration System">
  <![CDATA[ is responsible for notifying all interested Information Systems a patient has been registered. ]]>
</Actor>
- <Actor Name="Clinical Information System">
  <![CDATA[ is responsible for all departmental operation and provides the services required. ]]>
</Actor>
- <Actor Name="Laboratory System">
  <![CDATA[ is responsible for acknowledging the clinical order and to broadcast, according to application rules, unsolicited results when available. ]]>
</Actor>
- <Actor Name="Interface Manager">
  <![CDATA[ Interface Engine Responsible for routing messages ]]>
</Actor>
- <PreCondition Name="1">
  <![CDATA[ ADT^A04: the patient is ready for clinical attention supplying demographic information. ]]>
</PreCondition>
- <PostCondition Name="1">
  <![CDATA[ The patient is registered and the clinical information system is notified. ]]>
</PostCondition>
- <EventFlow Name="1">
  <![CDATA[ A patient is registered into the Hospital Registration System ]]>
</EventFlow>
- <EventFlow Name="2">
  <![CDATA[ The patient has outpatient status or emergency admission. ]]>
</EventFlow>
</UseCase>
<Conformance Acc&ck="AI" Ann&ck="NF" StaticID="(ConfSinf 1) Mckesson Information

```

EDIT PROFILE

An edit button on this screen, only available to submitter, other members from the submitter's organization, Conformance SIG co-chairs, and HL7 headquarters, allows them to edit/add/modify the following fields for the Profile:

- o Submitter information
- o Comments
- o Links to more information
- o Keywords
- o Associated OIDs

The screenshot shows a Microsoft Internet Explorer browser window displaying the 'HL7 v2 Global Message Profile Library - v2.5 Ballot (Dev)' page. The page has a navigation menu with links: 'Welcome Lisa!', 'HL7 Home', 'Profiles', 'Archive', 'Submission Form', 'Search', and 'Comments/Suggestions'. Below the menu, there are two links: 'Edit this profile' and 'Withdraw this profile'. The main content is a table with the following data:

OID	2.16.840.1.113883.9.16
Date submitted	12/11/02
Submitter	Puyenbroek, Jennifer
Organization	Mckesson Information Solutions
Phone	404-338-3324
E-mail	jennifer.puyenbroek@mckesson.com
HL7 Version	2.4
Message Type	ADT
Trigger	A04
Order Control Code	N/A
Profile Type	Implementation
Comment	test
For More Info	
Key Words	test
External Document	View Download
Associated Profile(s)	None
Used By	1

Any other modifications will require a new profile to be submitted.

E-MAIL SUBMITTER

When an e-mail address hyperlink is selected, an e-mail dialog box is generated.

Note: This assumes that an e-mail client application is available on the workstation and a valid e-mail profile is selected.

USERS OF THE PROFILE

By clicking on the hyperlink representing the count for the number of users of the Profile, a list of those users is displayed.

If there are no users (hyperlink was the number 0), you will be prompted to Add User.

If there are users (hyperlink was a number greater than 0), a screen of the following format will appear:



A user for the Profile can be added by selecting the Add User hyperlink from Profile Users list.

ADD USER

The following screen appears when the user requests to add a user for the Profile. Only the HL7 Member-Only login information is supplied.

**Register an application as a user of
Profile 2.16.840.1.113883.9.1**

Application Name	<input type="text"/>
Version	<input type="text"/>
Role	<input checked="" type="radio"/> Sender <input type="radio"/> Receiver
Contact	
First Name	<input type="text" value="Lisa"/>
Last Name	<input type="text" value="Carnahan"/>
Phone	<input type="text" value="301-975-3362"/>
Fax	<input type="text" value="301-948-6213"/>
Email	<input type="text" value="lisa.carnahan@nist.gov"/>

To add a new user fill out the form and press the submit button. The revised list of users is displayed.

Conformance Profile Registration Tool - Microsoft Internet Explorer

Profile 2.16.840.1.113883.9.16

Applications using this profile

Total 1

Name	Version	Role	Contact	Phone
Steel Testing	1,0	S	Lisa Carnahan	301-975-3362,301-948

If your application uses this profile, please add it to the list.

Close

WITHDRAW PROFILE

The Profile can be withdrawn by selecting the Withdraw Profile hyperlink.

Profiles will not be permanently removed, as an identifier may not be deleted. They will be flagged as “withdrawn” and moved to the archive list. The following screen is displayed.

The screenshot shows a web browser window titled "Conformance Profile Registration - Microsoft Internet Explorer". The page content is as follows:

- Page Title: **HL7 v2 Global Message Profile Library - v2.5 Ballot (Dev)**
- Navigation Menu: Welcome Lisa!, [HL7 Home](#), [Profiles](#), [Archive](#), [Submission Form](#), [Search](#), [Comments/Suggestions](#)
- Section Header: **Withdraw Profile**
- Text: "The following information is required in order to withdraw this Please fill in the form and click on the **Withdraw** button at the bottom."
- Form Fields:
 - Effective Date:** Input field containing "01/07/03"
 - Reason:** Dropdown menu with "This profile is no longer supported" selected
 - Authorizing Person:** Input field containing "Lisa Camahan"
- Text: "Click below to search and select a profile, to manually enter an OID, or to review and/or unselect the superceding profile:"
- Superceded by:** [Search & Select](#), [Manual Entry](#), [Review/Unselect](#)
- Withdraw** button

This will generate an e-mail to all the users of this profile giving them the details of this withdrawal. Only the submitter, someone from the submitter’s organization, Conformance SIG co-chairs, and HL7 Headquarters can withdraw a message profile.

The profile submission details are re-displayed. This time, notice the withdrawal information.

HL7 v2 Global Message Profile Library - v2.5 Ballot (Dev)

Welcome Lisa! | [HL7 Home](#) | [Profiles](#) | [Archive](#) | [Submission Form](#) | [Search](#) | [Comments/Suggestions](#)

[Edit this profile](#)

Withdrawn	
Date	01/07/03
Reason	This profile is no longer supported
Authorizing Person	Lisa Carnahan
Superseded by	N/A
OID	2.16.840.1.113883.9.14
Date submitted	12/04/02
Submitter	Puyenbroek, Jennifer
Organization	Mckesson Information Solutions
Phone	404-338-3324
E-mail	jennifer.puyenbroek@mckesson.com
HL7 Version	2.4
Message Type	ADT
Trigger	A04
Order Control Code	N/A
Profile Type	Implementation
Comment	test
For More Info	
Key Words	test
External Document	View Download
Associated Profile(s)	None
Used By	0

Archive

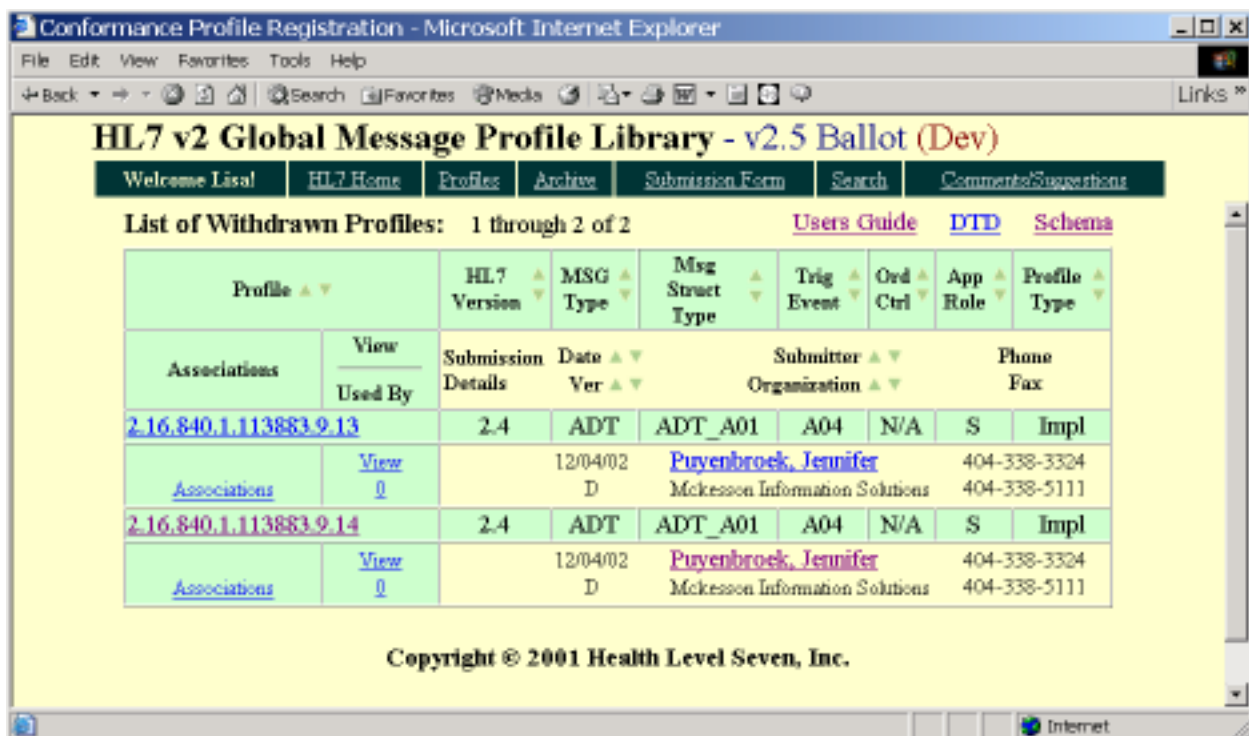
PURPOSE

The purpose of this feature is to view a list of Profiles that have been withdrawn

PROCEDURE

Select the “Archives” hyperlink from the horizontal menu.

The following screen appears.



Note: There is a known issue with the Download hyperlink missing.

Search

PURPOSE

The purpose of this function is to produce a list of Profiles based on certain criteria.

PROCEDURE

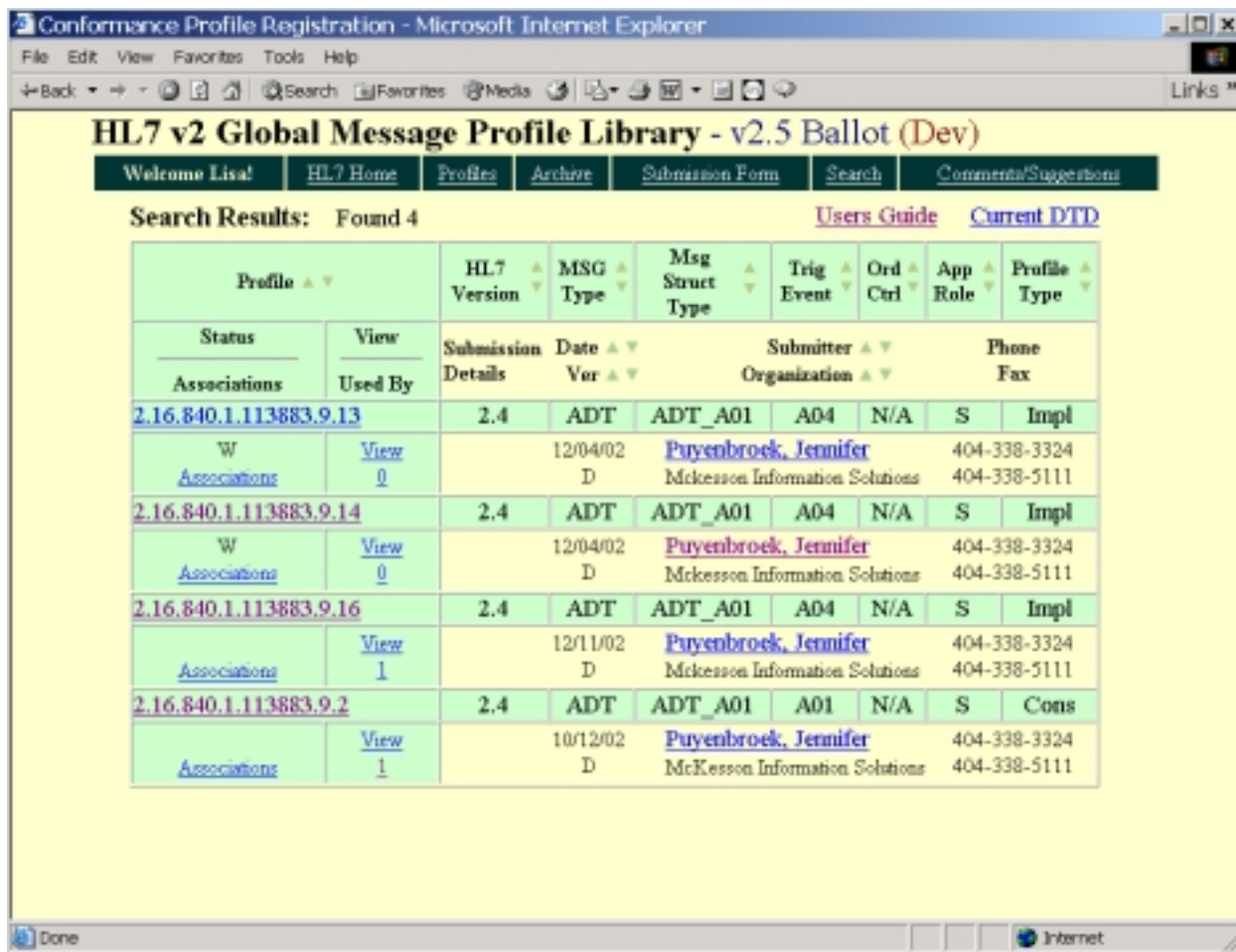
Select the “Search” hyperlink from the horizontal menu.

The following form is displayed. See the Submission Form for documentation of the fields.

Select Search Criteria:

Date From:	January	1	2001
To:	December	31	2005
Organization:	McKesson Information Solutions		
HL7 Affiliate:	Any		
Submitter's Name:	Payenbroek, Jennifer		
HL7 Version:	Any		
Message Type:	Any		
Message Structure Type:	Any		
Trigger:	Any		
Order Control Code:	Any		
Application Role:	<input type="radio"/> Sender <input type="radio"/> Receiver <input checked="" type="radio"/> Either		
Profile Type:	Any		
Status:	<input type="radio"/> Active <input type="radio"/> Withdrawn <input checked="" type="radio"/> Either		
Key Words:			

Fill out the form based on your search criteria and then select the Search button.



If there are no Profiles matching the selection criteria, an empty table is produced.

As with the Submission List, you can view the

- o Submission Details by selecting the “OID” hyperlink,
- o View the XML document by selecting the “View” hyperlink,
- o Download the XML document by right-clicking the “View” hyperlink and selecting “save target as..” from the menu,
- o Users of the Profile by selecting the “Used By” hyperlink.

Note: There is a known issue with the Download hyperlink missing.

SORT ORDER

The default order for the display is by OID. Selecting the arrow in certain column headings can alter the order.

Comments/Suggestions

PURPOSE

The purpose of this function is to send comments or suggestions to HL7 headquarters regarding the Global Message Profile Library.

PROCEDURE

Select the “Comments/Suggestions” hyperlink from the horizontal menu. An e-mail dialog box is generated. Fill out the e-mail and send it.

Note: This assumes that a client e-mail application is available on the workstation and a valid e-mail profile is selected. Currently, the e-mail displays karenvan@hl7.org as the “mail-to” address.

Message Profile Document Definition

PURPOSE

The Message Profile Document Definition is balloted with the Conformance section in Chapter 2 (as of v2.5). It is represented in XML Schema Language. Between versions, the HL7 Conformance SIG may allow for updates to this schema in order to allow Message Profiles to convey more information when approved by the SIG. The new schema will be uploaded to the library .

PROCEDURE

Only message profile documents that validate to this Message Profile Schema will be registered into the library. Regardless of the tools used to generate the message profile XML document, it must be well-formed and be valid based on the Message Profile Schema

SCHEMA ELEMENT DEFINITIONS

The table below shows the XML elements and attributes

XML Element/Group	Child of/member of	Definitions/Values/Reference to v2.5								
HL7v2xConformanceProfile		<p>An unambiguous specification of one or more standard HL7 messages that have been analyzed for a particular use case. It prescribes a set of precise constraints upon one or more standard HL7 messages. (See Section 2.12.1, <i>Message Profile</i>)</p> <p>ATTRIBUTES</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Def/Values/Reference</th> </tr> </thead> <tbody> <tr> <td>HL7Version</td> <td>Version of HL7 2.x upon which this profile is based</td> </tr> <tr> <td>ProfileType</td> <td>Categorizes the profile: Valid values: Constrainable Implementable See Section 2.12.5 <i>Profile Types</i>)</td> </tr> <tr> <td>Identifier</td> <td>A unique identifier for this specific version of this profile</td> </tr> </tbody> </table>	Name	Def/Values/Reference	HL7Version	Version of HL7 2.x upon which this profile is based	ProfileType	Categorizes the profile: Valid values: Constrainable Implementable See Section 2.12.5 <i>Profile Types</i>)	Identifier	A unique identifier for this specific version of this profile
Name	Def/Values/Reference									
HL7Version	Version of HL7 2.x upon which this profile is based									
ProfileType	Categorizes the profile: Valid values: Constrainable Implementable See Section 2.12.5 <i>Profile Types</i>)									
Identifier	A unique identifier for this specific version of this profile									
Metadata	<p>HL7v2xConformanceProfile</p> <p>HL7v2xStaticDef</p>	<p>Provides information about the life-cycle of the HL7v2xConformanceProfile, as well as authorship and control information</p> <p>ATTRIBUTES</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Def/Value/Reference</th> </tr> </thead> <tbody> <tr> <td>Name</td> <td>Provides a name that clearly and concisely defines the exchange</td> </tr> </tbody> </table>	Name	Def/Value/Reference	Name	Provides a name that clearly and concisely defines the exchange				
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Name	Provides a name that clearly and concisely defines the exchange									

XML Element/Group	Child of/member of	Definitions/Values/Reference to v2.5	
		OrgName	Submitter Organization
		Version	The version identifier assigned to this profile by the author.
		Status	Status of this profile as assigned by the author.
		Topics	Publish/subscribe topics convey aspects of the message profile that may be used by publish/subscribe systems. See sections 2.12.1.2 and 2.12.4.2.
ImpNote	HL7v2xConformanceProfile HL7v2xStaticDef SegGroup Segment Field Component SubComponent	Implementation Notes provide a general description about how the element it presents is intended to be used, as well as hints on using or interpreting it.	
UseCase	HL7v2xConformanceProfile	A use case model documents the scope and requirements for an HL7 message profile or set of message profiles. (See Section 2.12.2 <i>Use case model</i>)	
Purpose	UseCase	Identifies the reason and/or objectives for the use case	
Actor	UseCase	Identifies and defines the entities involved in the use-case. This includes the sending and receiving applications	
PreCondition	UseCase	Identifies a circumstance that must hold true prior to the use-case being invoked	
PostCondition	UseCase	Identifies a circumstance that will hold true after the successful completion of the use-case	
EventFlow	UseCase	Identifies a step within the chain of occurrences that lead to the successful completion of the use-case. This includes the exchange of messages between applications.	
DerivedEvent	UseCase	Derived events for this use case	
Encodings	HL7v2xConformanceProfile	Identifies all of the message encoding mechanisms supported by the profile. Non-traditional encoding mechanisms may be identified if desired.	

XML Element/Group	Child of/member of	Definitions/Values/Reference to v2.5												
Encoding	Encodings	Identified one of the encoding mechanisms supported by this profile												
DynamicDef	HL7v2xConformanceProfile	<p>The dynamic definition is an interaction specification for a conversation between 2 or more systems. See Section 2.13.3 <i>Dynamic Definition</i>)</p> <p>ATTRIBUTES</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Def/Value/Reference</th> </tr> </thead> <tbody> <tr> <td>AccAck</td> <td>Specifies whether "HL7 accept acknowledgement expected/allowed". Valid values: AL NE SU ER</td> </tr> <tr> <td>AppAck</td> <td>Specifies whether "HL7 application acknowledgements expected/allowed". Valid values:AL NE SU ER</td> </tr> <tr> <td>MsgAckMode</td> <td>Identifies the type of acknowledgment expected by the sender of a message. Valid values: Immediate Deferred</td> </tr> <tr> <td>QueryMessage</td> <td>Identifies whether the message is query-related, and if so, what type of query message it is. Valid values: NonQuery Query Response Publish</td> </tr> <tr> <td>QueryMode</td> <td>Identifies the type of query being performed. Valid values:Batch RealTime Both</td> </tr> </tbody> </table>	Name	Def/Value/Reference	AccAck	Specifies whether "HL7 accept acknowledgement expected/allowed". Valid values: AL NE SU ER	AppAck	Specifies whether "HL7 application acknowledgements expected/allowed". Valid values:AL NE SU ER	MsgAckMode	Identifies the type of acknowledgment expected by the sender of a message. Valid values: Immediate Deferred	QueryMessage	Identifies whether the message is query-related, and if so, what type of query message it is. Valid values: NonQuery Query Response Publish	QueryMode	Identifies the type of query being performed. Valid values:Batch RealTime Both
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QueryMode	Identifies the type of query being performed. Valid values:Batch RealTime Both													
HL7v2xStaticDefRef	HL7v2xConformanceProfile	Provides an identifier reference to the static definition for one of the messages used by the profile.												
HL7v2xStaticDef		<p>This represents a detailed profile of a single message. See Section 2.12.4 <i>Static definition</i>)</p> <p>ATTRIBUTES</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Def/Value/Reference</th> </tr> </thead> <tbody> <tr> <td>MsgType</td> <td>The HL7 message type code, as identified in MSH-9.1 (see HL7 Table 0076 - Message type).</td> </tr> <tr> <td>EventType</td> <td>The HL7 event type code, as identified in MSH-9.2 (see HL7 Table 0003 - Event type)</td> </tr> <tr> <td>MsgStructID</td> <td>The HL7 message structure code, as identified in MSH-9.3 (see HL7 Table 0354 -</td> </tr> </tbody> </table>	Name	Def/Value/Reference	MsgType	The HL7 message type code, as identified in MSH-9.1 (see HL7 Table 0076 - Message type).	EventType	The HL7 event type code, as identified in MSH-9.2 (see HL7 Table 0003 - Event type)	MsgStructID	The HL7 message structure code, as identified in MSH-9.3 (see HL7 Table 0354 -				
Name	Def/Value/Reference													
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EventType	The HL7 event type code, as identified in MSH-9.2 (see HL7 Table 0003 - Event type)													
MsgStructID	The HL7 message structure code, as identified in MSH-9.3 (see HL7 Table 0354 -													

XML Element/Group	Child of/member of	Definitions/Values/Reference to v2.5													
			Message Structure Type)												
		OrderControl	The HL7 Order control code, as identified in ORC 1 (see HL7 Table 0119 - Order Control Codes).												
		EventDesc	A description of the event carried by this message												
		Identifier	A unique identifier for this specific version of this static definition. If not specified, one will be assigned to the profile upon submission to a registry												
		Role	Identifies whether the profile is constructed from the perspective of the message generator (Sender) or parser (Receiver). Default is 'Sender'.												
Segment	HL7v2xStaticDef	<p>Documents the characteristics of a single HL7 segment within the context of a particular message or segment group</p> <p>ATTRIBUTES</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Def/Value/Reference</th> </tr> </thead> <tbody> <tr> <td>Name</td> <td>This is the short, formal name for the segment.</td> </tr> <tr> <td>LongName</td> <td>The group name approved by the technical</td> </tr> <tr> <td>Usage</td> <td>Refers to the circumstances under</td> </tr> <tr> <td>Min</td> <td>This identifies the minimum number of</td> </tr> <tr> <td>Max</td> <td>This identifies the maximum number of</td> </tr> </tbody> </table>		Name	Def/Value/Reference	Name	This is the short, formal name for the segment.	LongName	The group name approved by the technical	Usage	Refers to the circumstances under	Min	This identifies the minimum number of	Max	This identifies the maximum number of
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Max	This identifies the maximum number of														

XML Element/Group	Child of/member of	Definitions/Values/Reference to v2.5					
			Section 2.12.6.1 <i>Cardinality</i>				
DataValues	Field Component SubComponent	Identifies an individual example value (valid only for leaf level elements)					
Predicate	SegGroup Segment Field Component SubComponent	Identifies the conditionality rule for this element, if applicable					
Description	UseCase HL7v2xStaticDef SegGroup Segment Field Component SubComponent	Provides an explanation or definition of what the element represents.					
Reference	HL7v2xStaticDef SegGroup Segment Field Component SubComponent	Identifies external sources or other locations within the profile where additional information can be found about this item.					
SegGroup	HL7v2xStaticDef	Documents the characteristics of a grouping of HL7 segments within the context of a particular message or segment group. ATTRIBUTES <table border="1"> <thead> <tr> <th>Name</th> <th>Def/Value/Reference</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>		Name	Def/Value/Reference		
Name	Def/Value/Reference						

XML Element/Group	Child of/member of	Definitions/Values/Reference to v2.5											
		LongName	The group name approved by the technical committees and present in the HL7 2.x standard										
		Usage	Refers to the circumstances under which an element appears in a message. Valid values: R RE O C CE X (See Section 2.12.6.2 Usage)										
		Min	This identifies the minimum number of repetitions of the element that are permitted in a message instance. See Section 2.12.6.1 Cardinality)										
		Max	This identifies the maximum number of repetitions of the element that are permitted in a message instance. See Section 2.12.6.1 Cardinality)										
Segment	HL7v2xStaticDef SegGroup	<p>Documents the characteristics of a single HL7 segment within the context of a particular message or segment group</p> <p>ATTRIBUTES</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Def/Value/Reference</th> </tr> </thead> <tbody> <tr> <td>Name</td> <td>This is the segment ID for the segment. For HL7 segments, this would be the segment ID approved</td> </tr> <tr> <td>LongName</td> <td>The segment name. For HL7 segments, this would be the name approved by the technical committees</td> </tr> <tr> <td>Usage</td> <td>Refers to the circumstances under which an element appears in a message. Valid</td> </tr> <tr> <td>Min</td> <td>This identifies the minimum number of repetitions of the element</td> </tr> </tbody> </table>		Name	Def/Value/Reference	Name	This is the segment ID for the segment. For HL7 segments, this would be the segment ID approved	LongName	The segment name. For HL7 segments, this would be the name approved by the technical committees	Usage	Refers to the circumstances under which an element appears in a message. Valid	Min	This identifies the minimum number of repetitions of the element
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XML Element/Group	Child of/member of	Definitions/Values/Reference to v2.5																			
			that are permitted in a message instance. See Section 2.12.6.1 <i>Cardinality</i>)																		
		Max	This identifies the maximum number of repetitions of the element that are permitted in a message instance. See Section 2.12.6.1 <i>Cardinality</i>)																		
Field	Segment	<p>Documents the characteristics of a single HL7 field within the context of a particular message segment</p> <p>ATTRIBUTES</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Def/Value/Reference</th> </tr> </thead> <tbody> <tr> <td>Min</td> <td>This identifies the</td> </tr> <tr> <td>Max</td> <td>This identifies the</td> </tr> <tr> <td>Name</td> <td>The descriptive name for</td> </tr> <tr> <td>Usage</td> <td>Refers to the</td> </tr> <tr> <td>Datatype</td> <td>Identifies the HL7 data</td> </tr> <tr> <td>Length</td> <td>Identifies the maximum</td> </tr> <tr> <td>Table</td> <td>Identifies the name of the</td> </tr> <tr> <td>ConstantValu</td> <td>Identifies the fixed value</td> </tr> </tbody> </table>		Name	Def/Value/Reference	Min	This identifies the	Max	This identifies the	Name	The descriptive name for	Usage	Refers to the	Datatype	Identifies the HL7 data	Length	Identifies the maximum	Table	Identifies the name of the	ConstantValu	Identifies the fixed value
Name	Def/Value/Reference																				
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XML Element/Group	Child of/member of	Definitions/Values/Reference to v2.5															
			level elements)														
		ItemNo	The HL7-assigned item number corresponding with the semantic meaning of the field.														
Component	Field	<p>Documents the characteristics of a single component within the context of a field</p> <p>ATTRIBUTES</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Def/Value/Reference</th> </tr> </thead> <tbody> <tr> <td>Name</td> <td>The descriptive name for the field/component/sub-component</td> </tr> <tr> <td>Usage</td> <td>Refers to the circumstances under which an element appears in a message. Valid values: R RE O C CE X (See Section 2.12.6.2 Usage)</td> </tr> <tr> <td>Datatype</td> <td>Identifies the HL7 data type associated with the element</td> </tr> <tr> <td>Length</td> <td>Identifies the maximum allowed length for the content of the element</td> </tr> <tr> <td>Table</td> <td>Identifies the name of the table associated with the content of this element.</td> </tr> <tr> <td>ConstantValue</td> <td>Identifies the fixed value associated with this element (valid only for leaf level elements)</td> </tr> </tbody> </table>		Name	Def/Value/Reference	Name	The descriptive name for the field/component/sub-component	Usage	Refers to the circumstances under which an element appears in a message. Valid values: R RE O C CE X (See Section 2.12.6.2 Usage)	Datatype	Identifies the HL7 data type associated with the element	Length	Identifies the maximum allowed length for the content of the element	Table	Identifies the name of the table associated with the content of this element.	ConstantValue	Identifies the fixed value associated with this element (valid only for leaf level elements)
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Table	Identifies the name of the table associated with the content of this element.																
ConstantValue	Identifies the fixed value associated with this element (valid only for leaf level elements)																
SubComponent	Component	<p>Documents the characteristics of a single sub-component within the context of a component</p> <p>ATTRIBUTES</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Def/Value/Reference</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>		Name	Def/Value/Reference												
Name	Def/Value/Reference																

XML Element/Group	Child of/member of	Definitions/Values/Reference to v2.5	
		Name	The descriptive name for the field/component/sub-component
		Usage	Refers to the circumstances under which an element appears in a message. Valid values: R RE O C CE X (See Section 2.12.6.2 Usage)
		Datatype	Identifies the HL7 data type associated with the element
		Length	Identifies the maximum allowed length for the content of the element
		Table	Identifies the name of the table associated with the content of this element.
		ConstantValue	Identifies the fixed value associated with this element (valid only for leaf level elements)

SCHEMA (V2.5 BALLOT)

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified">
  <xs:element name="HL7v2xConformanceProfile">
    <xs:annotation>
      <xs:documentation>An unambiguous specification of one or
more standard HL7 messages that have been analyzed for a particular use case.
It prescribes a set of precise constraints upon one or more standard HL7
messages.</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="MetaData" type="MetaDataType">
          <xs:annotation>
            <xs:documentation>Provides descriptive
information about the life-cycle of the HL7v2xConformanceProfile, as well as authorship
and control information.</xs:documentation>
          </xs:annotation>
          </xs:element>
          <xs:element name="ImpNote" type="ImpNoteType" minOccurs="0">
            <xs:annotation>
              <xs:documentation>Implementation Notes provide a
general description about how the profile is intended to be used, as well as hints on using or
interpreting the profile.</xs:documentation>
            </xs:annotation>
            </xs:element>
            <xs:element name="UseCase">
              <xs:annotation>
                <xs:documentation>A use case model documents the
scope and requirements for an HL7 message profile or set of message profiles.</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="Purpose"
type="NonEmptyStringType" minOccurs="0">
                    <xs:annotation>
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the reason and/or objectives for the usecase</xs:documentation>
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                    </xs:element>
                    <xs:element name="Description"
type="NonEmptyStringType" minOccurs="0">
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                        <xs:documentation>Descriptive
text for the use-case. In cases where the use-case is not broken down into component elements,
this will include the complete details of the usecase. Otherwise, it will contain a basic
overview.</xs:documentation>
                      </xs:annotation>
                      </xs:element>
                    <xs:choice minOccurs="0"
maxOccurs="unbounded">
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type="UseCaseElementType">
                        <xs:annotation>
                          <xs:documentation>Identifies and defines the entities involved in the use-case. This
includes the sending and receiving applications</xs:documentation>
                        </xs:annotation>
                        </xs:element>
                      <xs:element name="PreCondition"
type="UseCaseElementType">
                        <xs:annotation>
                          <xs:documentation>Identifies a circumstance that must hold true prior to the use-case
being invoked.</xs:documentation>
                        </xs:annotation>
                        </xs:element>
                      <xs:element name="PostCondition"
type="UseCaseElementType">
                        <xs:annotation>
                          <xs:documentation>Identifies a circumstance that will hold true after the successful
completion of the use-case.</xs:documentation>
                        </xs:annotation>

```

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        </xs:element>
        <xs:element name="EventFlow"
type="UseCaseElementType">
            <xs:annotation>
                <xs:documentation>Identifies a step within the chain of occurrences that lead to the
successful completion of the use-case. This includes the exchange of messages between
applications.</xs:documentation>
            </xs:annotation>
        </xs:element>
        <xs:element name="DerivedEvent"
type="UseCaseElementType">
            <xs:annotation>
                <xs:documentation/>
            </xs:annotation>
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    </xs:choice>
</xs:sequence>
</xs:complexType>
<xs:key name="ActorNamesUniqueInUseCase">
    <xs:selector xpath="Actor"/>
    <xs:field xpath="@Name"/>
</xs:key>
<xs:key name="PreConditionNamesUniqueInUseCase">
    <xs:selector xpath="PreCondition"/>
    <xs:field xpath="@Name"/>
</xs:key>
<xs:key name="PostConditionNamesUniqueInUseCase">
    <xs:selector xpath="PostCondition"/>
    <xs:field xpath="@Name"/>
</xs:key>
<xs:key name="EventFlowNamesUniqueInUseCase">
    <xs:selector xpath="EventFlow"/>
    <xs:field xpath="@Name"/>
</xs:key>
<xs:key name="DerivedEventNamesUniqueInUseCase">
    <xs:selector xpath="DerivedEvent"/>
    <xs:field xpath="@Name"/>
</xs:key>
</xs:element>
<xs:element name="Encodings">
    <xs:annotation>
        <xs:documentation>Identifies all of the message
encoding mechanisms supported by the profile. Non-traditional encoding mechanisms may be
identified if desired.</xs:documentation>
    </xs:annotation>
</xs:complexType>
    <xs:sequence>
        <xs:element name="Encoding"
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                <xs:documentation>Identifies
one of the encoding mechanisms supported by the profile.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
                <xs:union
memberTypes="xs:NMTOKEN">
                    <xs:simpleType>
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base="xs:NMTOKEN">
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    </xs:sequence>
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    <xs:field xpath="."/>
</xs:key>
</xs:element>
<xs:sequence maxOccurs="unbounded">
    <xs:element name="DynamicDef">
        <xs:annotation>
            <xs:documentation>The dynamic definition is
an interaction specification for a conversation between 2 or more systems.</xs:documentation>
        </xs:annotation>
    </xs:element>

```

```

        </xs:annotation>
        <xs:complexType>
            <xs:attribute name="AccAck"
                type="AcknowledgmentType" default="NE">
                <xs:annotation>
                    <xs:documentation>Identifies
when and if HL7 'Accept' acknowledgments are required. Allowed values are: AL (always), NE
(never), SU (on success), ER (on error). Default is 'NE'.</xs:documentation>
                </xs:annotation>
                </xs:attribute>
                <xs:attribute name="AppAck"
                    type="AcknowledgmentType" default="AL">
                    <xs:annotation>
                        <xs:documentation>Identifies
when and if HL7 'Application' acknowledgments are required. Allowed values are: AL (always), NE
(never), SU (on success), ER (on error). Default is 'AL'.</xs:documentation>
                    </xs:annotation>
                    </xs:attribute>
                    <xs:attribute name="MsgAckMode"
                        default="Deferred">
                        <xs:annotation>
                            <xs:documentation>Identifies
the type of acknowledgment expected by the sender of a message. Allowed values are: Immediate
and Deferred. Default is Immediate.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                            <xs:restriction
                                base="xs:NMTOKEN">
                                    <xs:enumeration
                                        value="Immediate"/>
                                    <xs:enumeration
                                        value="Deferred"/>
                                </xs:restriction>
                            </xs:simpleType>
                        </xs:attribute>
                        <xs:attribute name="QueryMessageType"
                            default="NonQuery">
                            <xs:annotation>
                                <xs:documentation>Identifies
whether the message is query-related, and if so, what type of query message it is. Allowed
values are: NonQuery, Query, Response and Publish. Default is NonQuery.
                            </xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                                <xs:restriction
                                    base="xs:NMTOKEN">
                                        <xs:enumeration
                                            value="NonQuery"/>
                                        <xs:enumeration
                                            value="Query"/>
                                        <xs:enumeration
                                            value="Response"/>
                                        <xs:enumeration
                                            value="Publish"/>
                                    </xs:restriction>
                                </xs:simpleType>
                            </xs:attribute>
                            <xs:attribute name="QueryMode"
                                default="RealTime">
                                <xs:annotation>
                                    <xs:documentation>Identifies
the type of query being performed. Allowed values are: Batch, RealTime or
Both.</xs:documentation>
                                </xs:annotation>
                                <xs:simpleType>
                                    <xs:restriction
                                        base="xs:NMTOKEN">
                                            <xs:enumeration
                                                value="Batch"/>
                                            <xs:enumeration
                                                value="RealTime"/>
                                            <xs:enumeration
                                                value="Both"/>
                                        </xs:restriction>
                                    </xs:simpleType>
                                </xs:attribute>
                            </xs:complexType>
                        </xs:element>
                    <xs:choice maxOccurs="unbounded">
                        <xs:element ref="HL7v2xStaticDef"/>
                        <xs:element name="HL7v2xStaticDefRef">

```

```

        <xs:annotation>
            <xs:documentation>Provides an
identifier reference to the static definition for one of the messages used by the
profile.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
            <xs:attribute name="Identifier"
type="IdentifierType" use="required">
                <xs:annotation>
                    <xs:documentation>The
identifier for the static definition being referenced.</xs:documentation>
                </xs:annotation>
            </xs:attribute>
        </xs:complexType>
    </xs:element>
</xs:choice>
</xs:sequence>
</xs:sequence>
<xs:attribute name="HL7Version" use="required">
    <xs:annotation>
        <xs:documentation>Identifies the HL7 2.x version on which
the profile is based and with which it is expected to comply.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:union memberTypes="xs:NMTOKEN">
            <xs:simpleType>
                <xs:restriction base="xs:NMTOKEN">
                    <xs:enumeration value="2.0"/>
                    <xs:enumeration value="2.0D"/>
                    <xs:enumeration value="2.1"/>
                    <xs:enumeration value="2.2"/>
                    <xs:enumeration value="2.3"/>
                    <xs:enumeration value="2.3.1"/>
                    <xs:enumeration value="2.4"/>
                    <xs:enumeration value="2.5"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:union>
    </xs:simpleType>
</xs:attribute>
<xs:attribute name="ProfileType" use="required">
    <xs:annotation>
        <xs:documentation>Categorizes the profile into one of 3
types: HL7 - represents a specific HL7 published standard (may only be submitted by the HL7
Organization); Constrainable - May contain "Optional" elements which must be further constrained
in order to create implementation profiles; Implementation - Fully constrained with no
optionality (reflects the behavior of a runtime system)</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
        <xs:restriction base="xs:NMTOKEN">
            <xs:enumeration value="Implementation"/>
            <xs:enumeration value="Constrainable"/>
        </xs:restriction>
    </xs:simpleType>
</xs:attribute>
<xs:attribute name="Identifier" type="IdentifierType">
    <xs:annotation>
        <xs:documentation>A unique identifier for this specific
version of this dynamic profile. If not specified, one will be assigned to the profile upon
submission to a registry.</xs:documentation>
    </xs:annotation>
</xs:attribute>
</xs:complexType>
</xs:element>
<xs:element name="HL7v2xStaticDef">
    <xs:annotation>
        <xs:documentation>This represents a detailed profile of a single message.
It provides a detailed breakdown of exactly what the message may contain, including optionality
and cardinality.</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element name="MetaData" type="MetaDataType" minOccurs="0">
                <xs:annotation>
                    <xs:documentation>Provides descriptive information
about the life-cycle of the HL7 v2x Static Definition, as well as authorship and control
information.</xs:documentation>
                </xs:annotation>
            </xs:element>
            <xs:group ref="MessageGroup"/>
        </xs:sequence>
    </xs:complexType>
</xs:element name="Segment" type="SegmentType">

```

```

        <xs:annotation>
            <xs:documentation>Documents the characteristics of a
single HL7 segment within the context of a particular message or segment
group.</xs:documentation>
        </xs:annotation>
    </xs:element>
    <xs:group ref="SegGroupOrSegmentGrouping" maxOccurs="unbounded"/>
</xs:sequence>
<xs:attribute name="MsgType" type="MsgTypeType" use="required">
    <xs:annotation>
        <xs:documentation>The HL7 message type code, as identified
in MSH-9.1 (see HL7 Table 0076 - Message type).</xs:documentation>
    </xs:annotation>
</xs:attribute>
<xs:attribute name="EventType" type="EventTypeType" use="required">
    <xs:annotation>
        <xs:documentation>The HL7 event type code, as identified in
MSH-9.2 (see HL7 Table 0003 - Event type).</xs:documentation>
    </xs:annotation>
</xs:attribute>
<xs:attribute name="MsgStructID" type="MsgStructIDType">
    <xs:annotation>
        <xs:documentation>The HL7 message structure code, as
identified in MSH-9.3 (see HL7 Table 0354 - Message Structure Type). </xs:documentation>
    </xs:annotation>
</xs:attribute>
<xs:attribute name="OrderControl" type="OrderControlType">
    <xs:annotation>
        <xs:documentation>The HL7 Order control code, as identified
in ORC 1 (see HL7 Table 0119 - Order Control Codes).</xs:documentation>
    </xs:annotation>
</xs:attribute>
<xs:attribute name="EventDesc" type="NonEmptyStringType" use="required">
    <xs:annotation>
        <xs:documentation>A description of the event carried by this
message.</xs:documentation>
    </xs:annotation>
</xs:attribute>
<xs:attribute name="Identifier" type="IdentifierType" use="optional">
    <xs:annotation>
        <xs:documentation>A unique identifier for this specific
version of this static definition. If not specified, one will be assigned to the profile upon
submission to a registry.</xs:documentation>
    </xs:annotation>
</xs:attribute>
<xs:attribute name="Role" default="Sender">
    <xs:annotation>
        <xs:documentation>Identifies whether the profile is
constructed from the perspective of the message generator (Sender) or parser (Receiver). Default
is 'Sender'.</xs:documentation>
    </xs:annotation>
</xs:attribute>
<xs:simpleType>
    <xs:restriction base="xs:NMTOKEN">
        <xs:enumeration value="Sender"/>
        <xs:enumeration value="Receiver"/>
    </xs:restriction>
</xs:simpleType>
</xs:attribute>
</xs:complexType>
</xs:element>
<xs:complexType name="UseCaseElementType">
    <xs:simpleContent>
        <xs:extension base="NonEmptyStringType">
            <xs:attribute name="Name" type="NonEmptyStringType" use="required">
                <xs:annotation>
                    <xs:documentation>The unique name or number
associated with a particular use-case element.</xs:documentation>
                </xs:annotation>
            </xs:attribute>
        </xs:extension>
    </xs:simpleContent>
</xs:complexType>
<xs:complexType name="MetaDataType">
    <xs:attribute name="Name" type="NonEmptyStringType" use="required">
        <xs:annotation>
            <xs:documentation>Provides a name that clearly and concisely
defines the message exchange being profiled.</xs:documentation>
        </xs:annotation>
    </xs:attribute>
<xs:attribute name="OrgName" type="NonEmptyStringType" use="required">
    <xs:annotation>

```

```

        <xs:documentation>Name of the organization that submitted the
profile.</xs:documentation>
        </xs:annotation>
    </xs:attribute>
    <xs:attribute name="Version" type="NonEmptyStringType" use="optional">
        <xs:annotation>
            <xs:documentation>The version identifier assigned to this profile
by the author. There is no prescribed version numbering scheme. However 'higher' versions
should generally be interpreted to be more recent.</xs:documentation>
        </xs:annotation>
    </xs:attribute>
    <xs:attribute name="Status" type="NonEmptyStringType" use="optional">
        <xs:annotation>
            <xs:documentation>Status of this profile, as assigned by the
author. There is no prescribed status scheme at this time. Possible values might include:
'Draft', 'Active', 'Superseded', 'Withdrawn'</xs:documentation>
        </xs:annotation>
    </xs:attribute>
    <xs:attribute name="Topics" type="NonEmptyStringType" use="optional">
        <xs:annotation>
            <xs:documentation>This provides a list of key-words that relate to
the profile and that may be useful in profile searches.</xs:documentation>
        </xs:annotation>
    </xs:attribute>
</xs:complexType>
<xs:group name="SegGroupOrSegmentGrouping">
    <xs:choice>
        <xs:element name="SegGroup">
            <xs:annotation>
                <xs:documentation>Documents the characteristics of a
grouping of HL7 segments within the context of a particular message or segment
group.</xs:documentation>
            </xs:annotation>
            <xs:complexType>
                <xs:sequence>
                    <xs:group ref="MessageElementsGroup"/>
                    <xs:group ref="SegGroupOrSegmentGrouping"
maxOccurs="unbounded"/>
                </xs:sequence>
                <xs:attribute name="Name" use="required">
                    <xs:annotation>
                        <xs:documentation>This is the short, formal
name for the group. It appears in the tag name when using the XML Encoding
syntax.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                        <xs:restriction base="xs:NMTOKEN">
                            <xs:pattern value="([A-Z]|_)+"/>
                        </xs:restriction>
                    </xs:simpleType>
                </xs:attribute>
                <xs:attribute ref="LongName" use="required"/>
                <xs:attribute ref="Usage" use="required"/>
                <xs:attributeGroup ref="RepeatableElementAttributes"/>
            </xs:complexType>
        </xs:element>
        <xs:element name="Segment" type="SegmentType">
            <xs:annotation>
                <xs:documentation>Documents the characteristics of a single
HL7 segment within the context of a particular message or segment group.</xs:documentation>
            </xs:annotation>
        </xs:element>
    </xs:choice>
</xs:group>
<xs:complexType name="SegmentType">
    <xs:sequence>
        <xs:group ref="MessageElementsGroup"/>
        <xs:element name="Field" maxOccurs="unbounded">
            <xs:annotation>
                <xs:documentation>Documents the characteristics of a single
HL7 field within the context of a particular message segment.</xs:documentation>
            </xs:annotation>
            <xs:complexType>
                <xs:sequence>
                    <xs:group ref="LeafMessageElementsGroup"/>
                    <xs:element name="Component" minOccurs="0"
maxOccurs="unbounded">
                        <xs:annotation>
                            <xs:documentation>Documents the
characteristics of a single component within the context of a field.</xs:documentation>
                        </xs:annotation>
                    </xs:complexType>
                </xs:sequence>
            </xs:complexType>
        </xs:element>
    </xs:sequence>

```



```

                                <xs:sequence>
                                    <xs:group
ref="LeafMessageElementsGroup" />
                                        <xs:element
name="SubComponent" minOccurs="0" maxOccurs="unbounded">
                                            <xs:annotation>
                                                <xs:documentation>Documents the characteristics of a single sub-component within the
context of a component.</xs:documentation>
                                                    </xs:annotation>
                                                <xs:complexType>
                                                    <xs:group
ref="LeafMessageElementsGroup" />
                                                        <xs:attributeGroup ref="LeafElementAttributes" />
                                                            </xs:complexType>
                                                                </xs:element>
                                                                    </xs:sequence>
                                                                        <xs:attributeGroup
ref="LeafElementAttributes" />
                                                                            </xs:complexType>
                                                                                </xs:element>
                                                                                    </xs:sequence>
                                                                                        <xs:attributeGroup ref="RepeatableElementAttributes" />
                                                                                            <xs:attributeGroup ref="LeafElementAttributes" />
                                                                                                <xs:attribute name="ItemNo">
                                                                                                    <xs:annotation>
                                                                                                        <xs:documentation>The HL7-assigned item
number corresponding with the semantic meaning of the field.</xs:documentation>
                                                                                                            </xs:annotation>
                                                                                                                <xs:simpleType>
                                                                                                                    <xs:restriction base="xs:NMTOKEN">
                                                                                                                        <xs:pattern value="\d{5}" />
                                                                                                                            </xs:restriction>
                                                                                                                                </xs:simpleType>
                                                                                                                                    </xs:attribute>
                                                                                                                                        </xs:complexType>
                                                                                                                                            </xs:element>
                                                                                                                                                </xs:sequence>
                                                                                                                                                    <xs:attribute name="Name" type="SegmentNameType" use="required">
                                                                                                                                                        <xs:annotation>
                                                                                                                                                            <xs:documentation>This is the short, formal name for the segment.
It is used to identify the segment in both ER7 and XML encodings.</xs:documentation>
                                                                                                                                                                        </xs:annotation>
                                                                                                                                                                            </xs:attribute>
                                                                                                                                                                                <xs:attribute ref="LongName" />
                                                                                                                                                                                    <xs:attribute ref="Usage" use="required" />
                                                                                                                                                                                        <xs:attributeGroup ref="RepeatableElementAttributes" />
                                                                                                                                                                                            </xs:complexType>
                                                                                                                                                                                                <xs:attributeGroup name="LeafElementAttributes">
                                                                                                                                                                                                    <xs:attribute name="Name" type="NonEmptyStringType" use="required">
                                                                                                                                                                                                        <xs:annotation>
                                                                                                                                                                                                            <xs:documentation>The descriptive name for the field/component/sub-
component</xs:documentation>
                                                                                                                                                                                                                </xs:annotation>
                                                                                                                                                                                                                    </xs:attribute>
                                                                                                                                                                                                                        <xs:attribute ref="Usage" use="required" />
                                                                                                                                                                                                                            <xs:attribute name="Datatype" type="DatatypeType" use="required">
                                                                                                                                                                                                                                <xs:annotation>
                                                                                                                                                                    <xs:documentation>Identifies the HL7 datatype associated with the
element.</xs:documentation>
                                                                                                                                                                                </xs:annotation>
                                                                                                                                                                                    </xs:attribute>
                                                                                                                                                                                        <xs:attribute name="Length" type="xs:positiveInteger">
                                                                                                                                                                                            <xs:annotation>
                                                                                                                                                                                                <xs:documentation>Identifies the maximum allowed length for the
content of the element.</xs:documentation>
                                                                                                                                                                                                    </xs:annotation>
                                                                                                                                                                                                        </xs:attribute>
                                                                                                                                                                                                            <xs:attribute name="Table" type="TableType">
                                                                                                                                                                                                                <xs:annotation>
                                                                                                                                                                                                                    <xs:documentation>Identifies the name of the table associated with
the content of this element.</xs:documentation>
                                                                                                                                                                                                                        </xs:annotation>
                                                                                                                                                                                                                            </xs:attribute>
                                                                                                                                                                                                                                <xs:attribute name="ConstantValue" type="NonEmptyStringType">
                                                                                                                                                                    <xs:annotation>
                                                                                                                                                                        <xs:documentation>Identifies the fixed value associated with this
element</xs:documentation>
                                                                                                                                                                            </xs:annotation>
                                                                                                                                                                                <!-- Can only have constant values for leaf elements -->
                                                                                                                                                                                    </xs:attribute>

```

```

</xs:attributeGroup>
<xs:attributeGroup name="RepeatableElementAttributes">
  <xs:attribute name="Min" type="xs:nonNegativeInteger" use="required">
    <xs:annotation>
      <xs:documentation>This identifies the minimum number of repetitions
of the element that are permitted in a message instance. This attribute should only be specified
if the minimum number of repetitions is greater than 1, as the minimum for other elements is
always '0'.</xs:documentation>
    </xs:annotation>
  </xs:attribute>
  <xs:attribute name="Max" use="required">
    <xs:annotation>
      <xs:documentation>This identifies the maximum number of repetitions
of the element that are permitted in a message instance. This attribute should only be specified
if the maximum number of repetitions is greater than 1 and differs from the minimum attribute
(i.e. the maximum number of repetitions is greater than the minimum number of repetitions). The
special value '*' may be used to represent 'unlimited' repetitions.</xs:documentation>
    </xs:annotation>
    <xs:simpleType>
      <xs:union>
        <xs:simpleType>
          <xs:restriction base="xs:positiveInteger">
            <xs:minInclusive value="1"/>
          </xs:restriction>
        </xs:simpleType>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="*/>
          </xs:restriction>
        </xs:simpleType>
      </xs:union>
    </xs:simpleType>
  </xs:attribute>
</xs:attributeGroup>
<xs:simpleType name="ImpNoteType">
  <xs:restriction base="NonEmptyStringType"/>
</xs:simpleType>
<xs:group name="MessageGroup">
  <xs:sequence>
    <xs:element name="ImpNote" type="ImpNoteType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Implementation Notes provide a general
description about how the element is intended to be used, as well as hints on using or
interpreting the it.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="Description" type="NonEmptyStringType" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Provides an explanation or definition of
what the element represents.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="Reference" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Identifies external sources or other
locations within the profile where additional information can be found about this
item.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="NonEmptyStringType"/>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
</xs:group>
<xs:group name="MessageElementsGroup">
  <xs:sequence>
    <xs:group ref="MessageGroup"/>
    <xs:element name="Predicate" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Identifies the conditionality rule for
this element, if applicable</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="NonEmptyStringType"/>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
</xs:group>
<xs:group name="LeafMessageElementsGroup">
  <xs:sequence>
    <xs:group ref="MessageElementsGroup"/>
    <xs:element name="DataValues" minOccurs="0" maxOccurs="unbounded">

```

```

        <xs:complexType>
          <xs:attribute name="ExValue" type="NonEmptyStringType">
            <xs:annotation>
              <xs:documentation>Identifies an individual
example value.</xs:documentation>
            </xs:annotation>
          </xs:attribute>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:group>
  <xs:attribute name="Usage">
    <xs:annotation>
      <xs:documentation>Usage identifies the circumstances under which an element
appears in a message. Possible values are:
        R - Required (must always be present);
        RE - Required or Empty (must be present if available);
        O - Optional (no guidance on when the element should appear);
        C - Conditional (the element is required or allowed to be present
when the condition specified in the Predicate element is true);
        CE - Conditional or Empty (the element is required or allowed to be
present when the condition specified in the Predicate element is true and the information is
available)
        X - Not supported (the element will not be sent)
      </xs:documentation>
    </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:NMTOKEN">
      <xs:enumeration value="R"/>
      <xs:enumeration value="RE"/>
      <xs:enumeration value="O"/>
      <xs:enumeration value="C"/>
      <xs:enumeration value="CE"/>
      <xs:enumeration value="X"/>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
<xs:attribute name="LongName" type="NonEmptyStringType">
  <xs:annotation>
    <xs:documentation>This is the descriptive name for the element. It does
not appear in any encodings.</xs:documentation>
  </xs:annotation>
</xs:attribute>
<xs:simpleType name="NonEmptyStringType">
  <xs:restriction base="xs:string">
    <xs:minLength value="1"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="AcknowledgmentType">
  <xs:restriction base="xs:NMTOKEN">
    <xs:enumeration value="AL"/>
    <xs:enumeration value="NE"/>
    <xs:enumeration value="SU"/>
    <xs:enumeration value="ER"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="IdentifierType">
  <xs:restriction base="xs:NMTOKEN">
    <xs:pattern value="(0|[1-9][0-9]*)(\.(0|[1-9][0-9]*))*"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="MsgTypeType">
  <xs:restriction base="xs:NMTOKEN">
    <xs:pattern value="[A-Z0-9]{3}"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="EventTypeType">
  <xs:restriction base="xs:NMTOKEN">
    <xs:pattern value="[A-Z0-9]{3}"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="MsgStructIDType">
  <xs:restriction base="xs:NMTOKEN">
    <xs:pattern value="[A-Z0-9]{3}(_[A-Z0-9]{3})?"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="OrderControlType">
  <xs:restriction base="xs:NMTOKEN">
    <xs:pattern value="[A-Z]{2}"/>
  </xs:restriction>
</xs:simpleType>
<xs:simpleType name="DatatypeType">

```

```
        <xs:restriction base="xs:NMTOKEN">
            <xs:minLength value="1"/>
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="SegmentNameType">
        <xs:restriction base="xs:NMTOKEN">
            <xs:pattern value="[A-Z][A-Z0-9]{2}"/>
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="TableType">
        <xs:restriction base="xs:NMTOKEN">
            <xs:minLength value="1"/>
        </xs:restriction>
    </xs:simpleType>
</xs:schema>
```

Remote Submission to Library

PURPOSE

The purpose of this is to allow a user to submit message profiles to the Library from a remote location.

PROCEDURE

To submit a message profile from a remote location, perform a POST operation to <http://www.hl7.org/memonly/conformance/xmlsubmitx.cfm>.

The required fields are: (field names are case sensitive)

Field	Description
date	The current date in the format dd-mm-yy
remote	The value 1 (indicates this is a remote submission)
Organization	The submitter's organization
Affiliate	The affiliate of which the submitter is a member. Empty string if none.
First_Name	The submitter's first name
Last_Name	The submitter's last name
Email	The submitter's email address
Phone	The submitter's phone #
Fax	The submitter's fax #
Comment	Comments
ExtDoc	The document being submitted
Associated	Comma separated list of sequence #s of associated profiles.

An element called RESULT will be returned with the following child elements:

Element	Description and values
STATUS	Status of the operation. 1=Success 0=Failure
SEQ	If STATUS is 1, the sequence number of the profile.
ERR	If STATUS is 0, an element with the following child elements.

Element	Description and values
CODE	An error code: 301 - Invalid document type uploaded. 311 - Parse error on the document. 321 - Unable to extract HL7 Version info from the document. 322 - Unable to extract Application Role info from the document. 323 - Unable to extract Message Type info from the document. 324 - Unable to extract Trigger/Event Type info from the document. 325 - Unable to extract Message Structure info from the document. 326 - Unable to extract Profile Level/Conformance Type info from the document.
MSG	A text error message.
PERRCODE	If CODE is 311, the error code returned by the parser.
PERRMSG	If CODE is 311, the error message returned by the parser,
PERRLINE	If CODE is 311, the line where the error occurred.
PERRPOS	If CODE is 311, the character position in the line where the error occurred

EXAMPLE

Successful submit

```
<RESULT>
  <STATUS>1</STATUS>
  <SEQ>54</SEQ>
</RESULT>
```

Unsuccessful submit

```
<RESULT>
  <STATUS>0</STATUS>
  <ERR>
    <CODE>311</CODE>
    <MSG>Unable to process the document:<BR> Required attribute 'HL7Version'
    is missing.<BR> Line 5, character position 135</MSG>
    <PERRCODE>-1072898016</PERRCODE>
    <PERRMSG>Required attribute 'HL7Version' is missing.</PERRMSG>
    <PERRLINE>5</PERRLINE>
    <PERRPOS>135</PERRPOS>
  </ERR>
</RESULT>
```

Remote Query from the Library

PURPOSE

The purpose of this is to allow a user to query the library from a remote location.

PROCEDURE

To query the library from a remote location, perform a POST operation to <http://www.hl7.org/memonly/conformance/query.cfm>.

One field, WhereClause, is required.

Field names are case sensitive. The fields available are:

Name	Type	Description
WhereClause	Text	The WHERE clause of a standard MS Access query. Do not include the word WHERE.
Seq	Int	Profile sequence number
SubDate	Date	The date the profile was submitted
Last_Name	Text	The submitter's last name
First_Name	Text	The submitter's first name
Firm	Text	The submitter's organization
Affiliate	Text	The submitter's affiliate
Email	Text	The submitter's email address
Phone	Text	The submitter's phone number
Fax	Text	The submitter's fax number
HL7_Version	Text	HL7 version
Msg_Type	Text	Message type
MST	Text	Message structure type
Trigger	Text	Trigger/Event type
OCC	Text	Order Control Code
Optionality	Text	Profile Level/Conformance Type. Values are "With" or "Without"
AppRole	Text	Application Role
Status	Text	Profile status. Values are "A" (Active) or "W" (Withdrawn)

Name	Type	Description
Associated	Text	Comma-separated list of sequence #s of associated profiles
WDDate	Date	The date the profile was withdrawn
WDPerson	Text	The person who withdrew the profile
WDSuper	Int	Sequence # of the profile superceding a withdrawn profile

An element called RESULT will be returned with the following child elements:

Element	Description and values									
STATUS	Status of the operation. 1=Success 0=Failure									
RECCOUNT	If STATUS is 1, the number of records returned									
ERR	If STATUS is 0, an element with the following child elements.									
CODE	An error code: 401 - No WHERE clause. 311 - Database error on query.									
MSG	A text error message.									
MESSAGE	If CODE is 411, the message from the database driver.									
DETAIL	If CODE is 411, a detailed message from the Cold Fusion interpreter.									
NATIVEERROR	If CODE is 411, the error code from the database driver.									
SQLSTATE	If CODE is 411, the SQL State from the database driver.									
PROFILE	If STATUS is 1, an element with a child element for each of the fields listed above, plus the following fields: <table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Comment</td> <td>Text</td> <td>Comments</td> </tr> <tr> <td>WDReason</td> <td>Memo</td> <td>The reason the profile was withdrawn</td> </tr> </tbody> </table>	Name	Type	Description	Comment	Text	Comments	WDReason	Memo	The reason the profile was withdrawn
Name	Type	Description								
Comment	Text	Comments								
WDReason	Memo	The reason the profile was withdrawn								
DOCURL	The URL of the document,									

NOTES

There will be one PROFILE element for each record matching the query.

Fields with an underscore in the name will be represented by an element of the same name, but without the underscore.

Note that if a profile has not been withdrawn, the WDDATE, WDPERSON, WDREASON and WDSUPER elements will not be present. If the submitter does not belong to an affiliate, the AFFILIATE element will not be present.

You may also include an ORDER BY clause.

EXAMPLE

Example query

```
seq BETWEEN 40 AND 50 ORDER BY seq
```

Example result

```
<RESULT>
  <STATUS>1</STATUS>
  <RECCOUNT>2</RECCOUNT>
  <PROFILE>
    <SEQ>48</SEQ>
    <SUBDATE>2001-12-16</SUBDATE>
    <LASTNAME>Puyenbroek</LASTNAME>
    <FIRSTNAME>Jennifer</FIRSTNAME>
    <FIRM>McKesson Information Solutions</FIRM>
    <EMAIL>jennifer.puyenbroek@mckesson.com</EMAIL>
    <PHONE>404-338-3324</PHONE>
    <FAX>404-338-5149</FAX>
    <HL7VERSION>2.3.1</HL7VERSION>
    <MSGTYPE>ORU</MSGTYPE>
    <MST>MSH,PID,ORC,[NTE],OBR,{OBX}</MST>
    <TRIGGER>R01</TRIGGER>
    <OPTIONALITY>Without</OPTIONALITY>
    <APPROLE>S</APPROLE>
    <STATUS>A</STATUS>
    <COMMENT>testing again</COMMENT>
    <ASSOCIATED></ASSOCIATED>
    <DOCURL>www.hl7.org/memonly/conformance/attachments/48.XML</DOCURL>
  </PROFILE>
  <PROFILE>
    <SEQ>1</SEQ>
    <SUBDATE>2001-10-11</SUBDATE>
    <LASTNAME>Puyenbroek</LASTNAME>
    <FIRSTNAME>Jennifer</FIRSTNAME>
    <FIRM>McKesson Information Solutions</FIRM>
    <EMAIL>jennifer.puyenbroek@mckesson.com</EMAIL>
    <PHONE>404-338-3324</PHONE>
    <FAX>404-338-5149</FAX>
    <HL7VERSION>2.4</HL7VERSION>
    <MSGTYPE>ACK</MSGTYPE>
    <MST>ACK</MST>
    <TRIGGER>A01</TRIGGER>
    <OPTIONALITY>With</OPTIONALITY>
    <APPROLE>S</APPROLE>
```

```
<STATUS>W</STATUS>
<COMMENT>test</COMMENT>
<ASSOCIATED>2</ASSOCIATED>
<WDDATE>2001-10-12</WDDATE>
<WDREASON>Test withdrawal function per Jennifer Puyenbroek</WDREASON>
<WDPERSON>Charles Meyer</WDPERSON>
<WDSUPER></WDSUPER>
<DOCURL>www.hl7.org/memonly/conformance/attachments/3.XML</DOCURL>
</PROFILE>
</RESULT>
```

Sample Message Profiles

FULL ACK MESSAGE PROFILE

```

<?xml version="1.0" encoding="UTF-8"?>
<HL7v2xConformanceProfile HL7Version="2.4" ProfileType="HL7"
Identifier="2.16.840.1.113883.9.1.1">
  <MetaData Name="HL7 v2.4 ACK" OrgName="HL7" Version="2.4" Status="Published" Topics="confsig-
HL7-2.4-profile-NE-NE-Immediate"/>
  <UseCase>
    <Purpose>The simple general acknowledgment (ACK) can be used where the application does not
define a special application level acknowledgment message or where there has been an error that
precludes application processing. It is also used for accept level acknowledgments. The details
are described in Section 2.13.1, "Original and enhanced processing rules."</Purpose>
  </UseCase>
  <Encodings>
    <Encoding>ER7</Encoding>
  </Encodings>
  <DynamicDef AccAck="NE" AppAck="AL" MsgAckMode="Immediate"/>
  <HL7v2xStaticDef MsgType="ACK" EventType="ALL" MsgStructID="ACK" EventDesc="The simple general
acknowledgment (ACK) can be used where the application does not define a special application
level acknowledgment message or where there has been an error that precludes application
processing. It is also used for accept level acknowledgments. The details are described in
Section 2.13.1, Original and enhanced processing rules." Identifier="2.16.840.1.113883.9.2.1"
Role="Receiver">
    <MetaData Name="HL7 2.4 ACK" OrgName="HL7" Version="2.4" Status="Published"
Topics="confsig-HL7-2.2-static-ACK----Published--Receiver"/>
    <Segment Name="MSH" LongName="Message Header" Usage="R" Min="1" Max="1">
      <Field Name="Field Separator" Usage="R" Min="1" Max="1" Datatype="ST" Length="1"
ItemNo="00001">
        <Reference>2.16.9.1</Reference>
      </Field>
      <Field Name="Encoding Characters" Usage="R" Min="1" Max="1" Datatype="ST" Length="4"
ItemNo="00002">
        <Reference>2.16.9.2</Reference>
      </Field>
      <Field Name="Sending Application" Usage="O" Min="0" Max="1" Datatype="HD" Length="180"
Table="0361" ItemNo="00003">
        <Reference>2.16.9.3</Reference>
        <Component Name="namespace ID" Usage="O" Datatype="IS" Length="3" Table="0363">
</Component>
        <Component Name="universal ID" Usage="O" Datatype="ST" Length="3">
</Component>
        <Component Name="universal ID type" Usage="O" Datatype="ID" Length="3" Table="0301">
</Component>
      </Field>
      <Field Name="Sending Facility" Usage="O" Min="0" Max="1" Datatype="HD" Length="180"
Table="0362" ItemNo="00004">
        <Reference>2.16.9.4</Reference>
        <Component Name="namespace ID" Usage="O" Datatype="IS" Length="3" Table="0363">
</Component>
        <Component Name="universal ID" Usage="O" Datatype="ST" Length="3">
</Component>
        <Component Name="universal ID type" Usage="O" Datatype="ID" Length="3" Table="0301">
</Component>
      </Field>
      <Field Name="Receiving Application" Usage="O" Min="0" Max="1" Datatype="HD" Length="180"
Table="0361" ItemNo="00005">
        <Reference>2.16.9.5</Reference>
        <Component Name="namespace ID" Usage="O" Datatype="IS" Length="3" Table="0363">
</Component>
        <Component Name="universal ID" Usage="O" Datatype="ST" Length="3">
</Component>
        <Component Name="universal ID type" Usage="O" Datatype="ID" Length="3" Table="0301">
</Component>
      </Field>
      <Field Name="Receiving Facility" Usage="O" Min="0" Max="1" Datatype="HD" Length="180"
Table="0362" ItemNo="00006">
        <Reference>2.16.9.6</Reference>
        <Component Name="namespace ID" Usage="O" Datatype="IS" Length="3" Table="0363">
</Component>
        <Component Name="universal ID" Usage="O" Datatype="ST" Length="3">
</Component>
        <Component Name="universal ID type" Usage="O" Datatype="ID" Length="3" Table="0301">
</Component>
      </Field>

```

```

        <Field Name="Date/Time Of Message" Usage="R" Min="1" Max="1" Datatype="TS" Length="26"
ItemNo="00007">
        <Reference>2.16.9.7</Reference>
        <Component Name="Date/Time" Usage="O" Datatype="NM">
</Component>
        <Component Name="degree of precision" Usage="O" Datatype="ST">
</Component>
        </Field>
        <Field Name="Security" Usage="O" Min="0" Max="1" Datatype="ST" Length="40"
ItemNo="00008">
        <Reference>2.16.9.8</Reference>
        </Field>
        <Field Name="Message Type" Usage="R" Min="1" Max="1" Datatype="CM_MSG" Length="15"
Table="0076" ItemNo="00009">
        <Reference>2.16.9.9</Reference>
        <Component Name="message type" Usage="O" Datatype="ID" Length="3" Table="0076">
</Component>
        <Component Name="trigger event" Usage="O" Datatype="ID" Length="3" Table="0003">
</Component>
        <Component Name="message structure" Usage="O" Datatype="ID" Length="3" Table="0354">
</Component>
        </Field>
        <Field Name="Message Control ID" Usage="R" Min="1" Max="1" Datatype="ST" Length="20"
ItemNo="00010">
        <Reference>2.16.9.10</Reference>
        </Field>
        <Field Name="Processing ID" Usage="R" Min="1" Max="1" Datatype="PT" Length="3"
ItemNo="00011">
        <Reference>2.16.9.11</Reference>
        <Component Name="processing ID" Usage="O" Datatype="ID" Length="3" Table="0103">
</Component>
        <Component Name="processing mode" Usage="O" Datatype="ID" Length="3" Table="0207">
</Component>
        </Field>
        <Field Name="Version ID" Usage="R" Min="1" Max="1" Datatype="VID" Length="60"
Table="0104" ItemNo="00012">
        <Reference>2.16.9.12</Reference>
        <Component Name="version ID" Usage="O" Datatype="ID" Length="3" Table="0104">
</Component>
        <Component Name="internationalization code" Usage="R" Datatype="CE">
        <SubComponent Name="identifier" Usage="O" Datatype="ST">
</SubComponent>
        <SubComponent Name="text" Usage="O" Datatype="ST" Length="3">
</SubComponent>
        <SubComponent Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</SubComponent>
        <SubComponent Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
</SubComponent>
        <SubComponent Name="alternate text" Usage="O" Datatype="ST" Length="3">
</SubComponent>
        <SubComponent Name="name of alternate coding system" Usage="O" Datatype="IS"
Length="3" Table="0396">
</SubComponent>
        </Component>
        <Component Name="international version ID" Usage="R" Datatype="CE">
        <SubComponent Name="identifier" Usage="O" Datatype="ST">
</SubComponent>
        <SubComponent Name="text" Usage="O" Datatype="ST" Length="3">
</SubComponent>
        <SubComponent Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</SubComponent>
        <SubComponent Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
</SubComponent>
        <SubComponent Name="alternate text" Usage="O" Datatype="ST" Length="3">
</SubComponent>
        <SubComponent Name="name of alternate coding system" Usage="O" Datatype="IS"
Length="3" Table="0396">
</SubComponent>
        </Component>
        </Field>
        <Field Name="Sequence Number" Usage="O" Min="0" Max="1" Datatype="NM" Length="15"
ItemNo="00013">
        <Reference>2.16.9.13</Reference>
        </Field>
        <Field Name="Continuation Pointer" Usage="O" Min="0" Max="1" Datatype="ST" Length="180"
ItemNo="00014">
        <Reference>2.16.9.14</Reference>
        </Field>
        <Field Name="Accept Acknowledgment Type" Usage="O" Min="0" Max="1" Datatype="ID"
Length="2" Table="0155" ItemNo="00015">

```

```

        <Reference>2.16.9.15</Reference>
    </Field>
    <Field Name="Application Acknowledgment Type" Usage="O" Min="0" Max="1" Datatype="ID"
Length="2" Table="0155" ItemNo="00016">
        <Reference>2.16.9.16</Reference>
    </Field>
    <Field Name="Country Code" Usage="O" Min="0" Max="1" Datatype="ID" Length="3"
Table="0399" ItemNo="00017">
        <Reference>2.16.9.17</Reference>
    </Field>
    <Field Name="Character Set" Usage="O" Min="0" Max="*" Datatype="ID" Length="16"
Table="0211" ItemNo="00692">
        <Reference>2.16.9.18</Reference>
    </Field>
    <Field Name="Principal Language Of Message" Usage="O" Min="1" Max="1" Datatype="CE"
Length="250" ItemNo="00693">
        <Reference>2.16.9.19</Reference>
    <Component Name="identifier" Usage="O" Datatype="ST">
</Component>
        <Component Name="text" Usage="O" Datatype="ST" Length="3">
</Component>
        <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</Component>
        <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
</Component>
        <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
        <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</Component>
    </Field>
    <Field Name="Alternate Character Set Handling Scheme" Usage="O" Min="0" Max="1"
Datatype="ID" Length="20" Table="0356" ItemNo="01317">
        <Reference>2.16.9.20</Reference>
    </Field>
    <Field Name="Conformance Statement ID" Usage="O" Min="0" Max="*" Datatype="ID"
Length="10" Table="0449" ItemNo="01598">
        <Reference>2.16.9.21</Reference>
    </Field>
</Segment>
    <Segment Name="MSA" LongName="Message Acknowledgment" Usage="R" Min="1" Max="1">
    <Field Name="Acknowledgment Code" Usage="R" Min="1" Max="1" Datatype="ID" Length="2"
Table="0008" ItemNo="00018">
        <Reference>2.16.8.1</Reference>
    </Field>
    <Field Name="Message Control ID" Usage="R" Min="1" Max="1" Datatype="ST" Length="20"
ItemNo="00010">
        <Reference>2.16.9.10</Reference>
    </Field>
    <Field Name="Text Message" Usage="O" Min="0" Max="1" Datatype="ST" Length="80"
ItemNo="00020">
        <Reference>2.16.8.3</Reference>
    </Field>
    <Field Name="Expected Sequence Number" Usage="O" Min="0" Max="1" Datatype="NM"
Length="15" ItemNo="00021">
        <Reference>2.16.8.4</Reference>
    </Field>
    <Field Name="Delayed Acknowledgment Type" Usage="B" Min="0" Max="1" Datatype="ID"
Length="1" Table="0102" ItemNo="00022">
        <Reference>2.16.8.5</Reference>
    </Field>
    <Field Name="Error Condition" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
Table="0357" ItemNo="00023">
        <Reference>2.16.8.6</Reference>
    <Component Name="identifier" Usage="O" Datatype="ST">
</Component>
        <Component Name="text" Usage="O" Datatype="ST" Length="3">
</Component>
        <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</Component>
        <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
</Component>
        <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
        <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</Component>
    </Field>
</Segment>
    <Segment Name="ERR" LongName="Error" Usage="O" Min="0" Max="1">

```

```
<Field Name="Error Code and Location" Usage="R" Min="1" Max="1" Datatype="CM_ELD"
Length="80" ItemNo="00024">
  <Reference>2.16.5.1</Reference>
  <Component Name="segment ID" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="sequence" Usage="O" Datatype="NM" Length="3">
</Component>
  <Component Name="field position" Usage="O" Datatype="NM" Length="3">
</Component>
  <Component Name="code identifying error" Usage="R" Datatype="CE">
    <SubComponent Name="identifier" Usage="O" Datatype="ST">
</SubComponent>
    <SubComponent Name="text" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</SubComponent>
    <SubComponent Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="alternate text" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="name of alternate coding system" Usage="O" Datatype="IS"
Length="3" Table="0396">
</SubComponent>
  </Component>
</Field>
</Segment>
</HL7v2xStaticDef>
</HL7v2xConformanceProfile>
```

PARTIAL ADT_A01 MESSAGE PROFILE

```

<?xml version="1.0" encoding="UTF-8"?>
<HL7v2xConformanceProfile HL7Version="2.4" ProfileType="HL7"
Identifier="2.16.840.1.113883.9.1.2">
  <MetaData Name="HL7 2.4_ADT_A01" OrgName="HL7" Version="2.4" Status="Published"
Topics="confsig-HL7-2.4-profile-NE-AL-Immediate"/>
  <UseCase>
    <Purpose>When an account's start and end dates span a period greater than any particular
visit, the P01 (add patient account) event should be used to transmit the opening of an account.
The A01 event can notify systems of the creation of an account as well as notify them of a
patient's arrival in the healthcare facility. In order to create a new account without notifying
of patient's arrival, use the P01 event.
The ROL - Role Segment is used in this message to communicate providers not specified elsewhere.
Person level providers with an ongoing relationship are reported in the ROL segment following
the PID/PD1 segments. Providers corresponding to the PV1 data are reported in the ROL segment
following the PV1/PV2 segments. Providers related to a specific procedure are reported in the
ROL segment following the PR1 segment. Providers related to a specific insurance are reported in
the ROL segment following the IN1/IN2/IN3 segments. To communicate the begin and end date of the
provider, use the ROL-5 - Role Begin Date/Time and the ROL-6 - Role End Date/Time in the ROL
segment, with the applicable ROL-3 - Role Code. Refer to section 12.3.3 for the definition of
the ROL segment.
    </Purpose>
  </UseCase>
  <Encodings>
    <Encoding>ER7</Encoding>
  </Encodings>
  <DynamicDef AccAck="NE" AppAck="AL" MsgAckMode="Immediate"/>
  <HL7v2xStaticDef MsgType="ADT" EventType="A01" MsgStructID="ADT_A01" EventDesc="ADT/ACK -
Admit/visit notification" Identifier="2.16.840.1.113883.9.2.2" Role="Sender">
    <MetaData Name="HL7 2.4_ADT_A01" OrgName="HL7" Version="2.4" Status="Published"
Topics="confsig-HL7-2.4-static-ADT_A01--ADT_A01-2.4--Sender"/>
    <Segment Name="MSH" LongName="Message Header" Usage="R" Min="1" Max="1">
      <Field Name="Field Separator" Usage="R" Min="1" Max="1" Datatype="ST" Length="1"
ItemNo="00001">
        <Reference>2.16.9.1</Reference>
      </Field>
      <Field Name="Encoding Characters" Usage="R" Min="1" Max="1" Datatype="ST" Length="4"
ItemNo="00002">
        <Reference>2.16.9.2</Reference>
      </Field>
      <Field Name="Sending Application" Usage="O" Min="0" Max="1" Datatype="HD" Length="180"
Table="0361" ItemNo="00003">
        <Reference>2.16.9.3</Reference>
        <Component Name="namespace ID" Usage="O" Datatype="IS" Length="3" Table="0363">
          </Component>
        <Component Name="universal ID" Usage="O" Datatype="ST" Length="3">
          </Component>
        <Component Name="universal ID type" Usage="O" Datatype="ID" Length="3" Table="0301">
          </Component>
      </Field>
      <Field Name="Sending Facility" Usage="O" Min="0" Max="1" Datatype="HD" Length="180"
Table="0362" ItemNo="00004">
        <Reference>2.16.9.4</Reference>
        <Component Name="namespace ID" Usage="O" Datatype="IS" Length="3" Table="0363">
          </Component>
        <Component Name="universal ID" Usage="O" Datatype="ST" Length="3">
          </Component>
        <Component Name="universal ID type" Usage="O" Datatype="ID" Length="3" Table="0301">
          </Component>
      </Field>
      <Field Name="Receiving Application" Usage="O" Min="0" Max="1" Datatype="HD" Length="180"
Table="0361" ItemNo="00005">
        <Reference>2.16.9.5</Reference>
        <Component Name="namespace ID" Usage="O" Datatype="IS" Length="3" Table="0363">
          </Component>
        <Component Name="universal ID" Usage="O" Datatype="ST" Length="3">
          </Component>
        <Component Name="universal ID type" Usage="O" Datatype="ID" Length="3" Table="0301">
          </Component>
      </Field>
      <Field Name="Receiving Facility" Usage="O" Min="0" Max="1" Datatype="HD" Length="180"
Table="0362" ItemNo="00006">
        <Reference>2.16.9.6</Reference>
        <Component Name="namespace ID" Usage="O" Datatype="IS" Length="3" Table="0363">
          </Component>
        <Component Name="universal ID" Usage="O" Datatype="ST" Length="3">
          </Component>
        <Component Name="universal ID type" Usage="O" Datatype="ID" Length="3" Table="0301">
          </Component>
    </Segment>
  </StaticDef>

```

```

        </Field>
        <Field Name="Date/Time Of Message" Usage="R" Min="1" Max="1" Datatype="TS" Length="26"
ItemNo="00007">
            <Reference>2.16.9.7</Reference>
            <Component Name="Date/Time" Usage="O" Datatype="NM">
        </Component>
        <Component Name="degree of precision" Usage="O" Datatype="ST">
    </Component>
    </Field>
    <Field Name="Security" Usage="O" Min="0" Max="1" Datatype="ST" Length="40"
ItemNo="00008">
        <Reference>2.16.9.8</Reference>
        </Field>
        <Field Name="Message Type" Usage="R" Min="1" Max="1" Datatype="CM_MSG" Length="15"
Table="0076" ItemNo="00009">
            <Reference>2.16.9.9</Reference>
            <Component Name="message type" Usage="O" Datatype="ID" Length="3" Table="0076">
        </Component>
        <Component Name="trigger event" Usage="O" Datatype="ID" Length="3" Table="0003">
    </Component>
    <Component Name="message structure" Usage="O" Datatype="ID" Length="3" Table="0354">
</Component>
</Field>
<Field Name="Message Control ID" Usage="R" Min="1" Max="1" Datatype="ST" Length="20"
ItemNo="00010">
    <Reference>2.16.9.10</Reference>
    </Field>
    <Field Name="Processing ID" Usage="R" Min="1" Max="1" Datatype="PT" Length="3"
ItemNo="00011">
        <Reference>2.16.9.11</Reference>
        <Component Name="processing ID" Usage="O" Datatype="ID" Length="3" Table="0103">
    </Component>
    <Component Name="processing mode" Usage="O" Datatype="ID" Length="3" Table="0207">
</Component>
</Field>
<Field Name="Version ID" Usage="R" Min="1" Max="1" Datatype="VID" Length="60"
Table="0104" ItemNo="00012">
    <Reference>2.16.9.12</Reference>
    <Component Name="version ID" Usage="O" Datatype="ID" Length="3" Table="0104">
        <Component Name="internationalization code" Usage="R" Datatype="CE">
            <SubComponent Name="identifier" Usage="O" Datatype="ST">
        </SubComponent>
        <SubComponent Name="text" Usage="O" Datatype="ST" Length="3">
    </SubComponent>
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Table="0396">
        <SubComponent Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
    </SubComponent>
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</SubComponent>
<SubComponent Name="name of alternate coding system" Usage="O" Datatype="IS"
Length="3" Table="0396">
        </SubComponent>
        </Component>
        <Component Name="international version ID" Usage="R" Datatype="CE">
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Table="0396">
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Length="3" Table="0396">
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        </Component>
        </Field>
        <Field Name="Sequence Number" Usage="O" Min="0" Max="1" Datatype="NM" Length="15"
ItemNo="00013">
            <Reference>2.16.9.13</Reference>
            </Field>
            <Field Name="Continuation Pointer" Usage="O" Min="0" Max="1" Datatype="ST" Length="180"
ItemNo="00014">
                <Reference>2.16.9.14</Reference>
                </Field>

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    <Field Name="Accept Acknowledgment Type" Usage="O" Min="0" Max="1" Datatype="ID"
Length="2" Table="0155" ItemNo="00015">
    <Reference>2.16.9.15</Reference>
  </Field>
  <Field Name="Application Acknowledgment Type" Usage="O" Min="0" Max="1" Datatype="ID"
Length="2" Table="0155" ItemNo="00016">
    <Reference>2.16.9.16</Reference>
  </Field>
  <Field Name="Country Code" Usage="O" Min="0" Max="1" Datatype="ID" Length="3"
Table="0399" ItemNo="00017">
    <Reference>2.16.9.17</Reference>
  </Field>
  <Field Name="Character Set" Usage="O" Min="0" Max="*" Datatype="ID" Length="16"
Table="0211" ItemNo="00692">
    <Reference>2.16.9.18</Reference>
  </Field>
  <Field Name="Principal Language Of Message" Usage="O" Min="1" Max="1" Datatype="CE"
Length="250" ItemNo="00693">
    <Reference>2.16.9.19</Reference>
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</Component>
  <Component Name="text" Usage="O" Datatype="ST" Length="3">
</Component>
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</Component>
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Table="0396">
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  <Field Name="Alternate Character Set Handling Scheme" Usage="O" Min="0" Max="1"
Datatype="ID" Length="20" Table="0356" ItemNo="01317">
    <Reference>2.16.9.20</Reference>
  </Field>
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Length="10" Table="0449" ItemNo="01598">
    <Reference>2.16.9.21</Reference>
  </Field>
</Segment>
  <Segment Name="EVN" LongName="Event Type" Usage="R" Min="1" Max="1">
    <Field Name="Event Type Code" Usage="B" Min="0" Max="1" Datatype="ID" Length="3"
Table="0003" ItemNo="00099">
    <Reference>3.4.1.1</Reference>
  </Field>
  <Field Name="Recorded Date/Time" Usage="R" Min="1" Max="1" Datatype="TS" Length="26"
ItemNo="00100">
    <Reference>3.4.1.2</Reference>
  <Component Name="Date/Time" Usage="O" Datatype="NM">
</Component>
  <Component Name="degree of precision" Usage="O" Datatype="ST">
</Component>
  </Field>
  <Field Name="Date/Time Planned Event" Usage="O" Min="0" Max="1" Datatype="TS"
Length="26" ItemNo="00101">
    <Reference>3.4.1.3</Reference>
  <Component Name="Date/Time" Usage="O" Datatype="NM">
</Component>
  <Component Name="degree of precision" Usage="O" Datatype="ST">
</Component>
  </Field>
  <Field Name="Event Reason Code" Usage="O" Min="0" Max="1" Datatype="IS" Length="3"
Table="0062" ItemNo="00102">
    <Reference>3.4.1.4</Reference>
  </Field>
  <Field Name="Operator ID" Usage="O" Min="0" Max="*" Datatype="XCN" Length="250"
Table="0188" ItemNo="00103">
    <Reference>3.4.1.5</Reference>
  <Component Name="ID number (ST)" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="family name" Usage="O" Datatype="FN" Length="3">
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</SubComponent>
  <SubComponent Name="own surname prefix" Usage="O" Datatype="ST" Length="3">
</SubComponent>
  <SubComponent Name="own surname" Usage="O" Datatype="ST" Length="3">
</SubComponent>
  <SubComponent Name="surname prefix from partner/spouse" Usage="O" Datatype="ST"
Length="3">

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    </Component>
    <Component Name="given name" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="second and further given names or initials thereof" Usage="O"
Datatype="ST" Length="3">
</Component>
    <Component Name="suffix (e.g., JR or III)" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="prefix (e.g., DR)" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="degree (e.g., MD)" Usage="O" Datatype="IS" Length="3" Table="0360">
</Component>
    <Component Name="source table" Usage="O" Datatype="IS" Length="3" Table="0297">
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    <Component Name="assigning authority" Usage="O" Datatype="HD" Length="3">
    <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3"
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Table="0301">
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</Component>
    <Component Name="identifier check digit" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="code identifying the check digit scheme employed" Usage="O"
Datatype="ID" Length="3" Table="0061">
</Component>
    <Component Name="identifier type code (IS)" Usage="O" Datatype="IS" Length="3">
</Component>
    <Component Name="assigning facility" Usage="O" Datatype="HD" Length="3">
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</SubComponent>
    <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
</SubComponent>
    <Component Name="Name Representation code" Usage="O" Datatype="ID" Length="3"
Table="0465">
</Component>
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    <SubComponent Name="identifier" Usage="O" Datatype="ST">
</SubComponent>
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Table="0396">
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    <SubComponent Name="name of alternate coding system" Usage="O" Datatype="IS"
Length="3" Table="0396">
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    </Component>
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    <SubComponent Name="range start date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
    <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
    </Component>
    <Component Name="name assembly order" Usage="O" Datatype="ID" Length="3"
Table="0444">
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</Field>
<Field Name="Event Occurred" Usage="O" Min="0" Max="1" Datatype="TS" Length="26"
ItemNo="01278">
    <Reference>3.4.1.6</Reference>
    <Component Name="Date/Time" Usage="O" Datatype="NM">
</Component>
    <Component Name="degree of precision" Usage="O" Datatype="ST">

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  </Field>
  <Field Name="Event Facility" Usage="O" Min="0" Max="1" Datatype="HD" Length="180"
ItemNo="01534">
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  <Component Name="namespace ID" Usage="O" Datatype="IS" Length="3" Table="0363">
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  <Component Name="universal ID" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="universal ID type" Usage="O" Datatype="ID" Length="3" Table="0301">
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  </Field>
  </Segment>
  <Segment Name="PID" LongName="Patient identification" Usage="R" Min="1" Max="1">
  <Field Name="Set ID - PID" Usage="O" Min="0" Max="1" Datatype="SI" Length="4"
ItemNo="00104">
  <Reference>3.4.2.1</Reference>
  </Field>
  <Field Name="Patient ID" Usage="B" Min="1" Max="1" Datatype="CX" Length="20"
ItemNo="00105">
  <Reference>3.4.2.2</Reference>
  <Component Name="ID" Usage="O" Datatype="ST" Length="3">
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</Component>
  <Component Name="code identifying the check digit scheme employed" Usage="O"
Datatype="ID" Length="3" Table="0061">
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  <Component Name="assigning authority" Usage="O" Datatype="HD" Length="3">
  <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3"
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Table="0301">
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  </Component>
  <Component Name="effective date (DT)" Usage="O" Datatype="DT" Length="3">
</Component>
  <Component Name="expiration date" Usage="O" Datatype="DT" Length="3">
</Component>
  </Field>
  <Field Name="Patient Identifier List" Usage="R" Min="1" Max="1" Datatype="CX"
Length="250" ItemNo="00106">
  <Reference>3.4.2.3</Reference>
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</Component>
  <Component Name="code identifying the check digit scheme employed" Usage="O"
Datatype="ID" Length="3" Table="0061">
</Component>
  <Component Name="assigning authority" Usage="O" Datatype="HD" Length="3">
  <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3"
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  <Component Name="identifier type code (ID)" Usage="O" Datatype="ID" Length="3"
Table="0203">
</Component>
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  <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3"
Table="0363">

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  </Component>
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</Component>
  <Component Name="expiration date" Usage="O" Datatype="DT" Length="3">
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  <Field Name="Alternate Patient ID - PID" Usage="B" Min="1" Max="1" Datatype="CX"
Length="20" ItemNo="00107">
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Datatype="ID" Length="3" Table="0061">
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ItemNo="00108">
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  <Component Name="family name" Usage="O" Datatype="FN" Length="3">
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</SubComponent>
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Length="3">
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  <SubComponent Name="surname from partner/spouse" Usage="O" Datatype="ST"
Length="3">
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  </Component>
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  <Component Name="second and further given names or initials thereof" Usage="O"
Datatype="ST" Length="3">
</Component>
  <Component Name="suffix (e.g., JR or III)" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="prefix (e.g., DR)" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="degree (e.g., MD)" Usage="O" Datatype="IS" Length="3" Table="0360">
</Component>
  <Component Name="name type code" Usage="O" Datatype="ID" Length="3" Table="0200">
</Component>
  <Component Name="Name Representation code" Usage="O" Datatype="ID" Length="3"
Table="0465">

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</SubComponent>
    <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
  </Component>
  <Component Name="name assembly order" Usage="O" Datatype="ID" Length="3"
Table="0444">
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</Field>
<Field Name="Mother's Maiden Name" Usage="O" Min="0" Max="*" Datatype="XPN" Length="250"
ItemNo="00109">
  <Reference>6.5.7.40</Reference>
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</SubComponent>
    <SubComponent Name="own surname" Usage="O" Datatype="ST" Length="3">
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Datatype="ST" Length="3">
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</Component>
  <Component Name="Name Representation code" Usage="O" Datatype="ID" Length="3"
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</SubComponent>
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  </Component>
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    <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
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Table="0444">
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ItemNo="00110">
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    <Component Name="Date/Time" Usage="O" Datatype="NM">
</Component>
    <Component Name="degree of precision" Usage="O" Datatype="ST">
</Component>
    </Field>
    <Field Name="Administrative Sex" Usage="O" Min="0" Max="1" Datatype="IS" Length="1"
Table="0001" ItemNo="00111">
    <Reference>15.4.6.5</Reference>
    </Field>
    <Field Name="Patient Alias" Usage="B" Min="0" Max="*" Datatype="XPN" Length="250"
ItemNo="00112">
    <Reference>3.4.2.9</Reference>
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</SubComponent>
    <SubComponent Name="own surname" Usage="O" Datatype="ST" Length="3">
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    <SubComponent Name="surname from partner/spouse" Usage="O" Datatype="ST"
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    <Component Name="second and further given names or initials thereof" Usage="O"
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    <Component Name="prefix (e.g., DR)" Usage="O" Datatype="ST" Length="3">
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    <Component Name="degree (e.g., MD)" Usage="O" Datatype="IS" Length="3" Table="0360">
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</SubComponent>
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Length="3" Table="0396">
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    </Component>
    <Component Name="name validity range" Usage="O" Datatype="DR" Length="3">
    <SubComponent Name="range start date/time" Usage="O" Datatype="TS" Length="3">
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    <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
    </Component>
    <Component Name="name assembly order" Usage="O" Datatype="ID" Length="3"
Table="0444">
</Component>
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    <Field Name="Race" Usage="O" Min="1" Max="1" Datatype="CE" Length="250" Table="0005"
ItemNo="00113">
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    <Component Name="identifier" Usage="O" Datatype="ST">
</Component>
    <Component Name="text" Usage="O" Datatype="ST" Length="3">
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        <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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        <Field Name="Patient Address" Usage="O" Min="0" Max="*" Datatype="XAD" Length="250"
ItemNo="00114">
            <Reference>3.4.2.11</Reference>
            <Component Name="street address (SAD)" Usage="O" Datatype="SAD" Length="3">
                <SubComponent Name="street or mailing address" Usage="O" Datatype="ST"
Length="3">
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                <SubComponent Name="dwelling number" Usage="O" Datatype="ST" Length="3">
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            </Component>
            <Component Name="other designation" Usage="O" Datatype="ST" Length="3">
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            <Component Name="city" Usage="O" Datatype="ST" Length="3">
</Component>
            <Component Name="state or province" Usage="O" Datatype="ST" Length="3">
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            <Component Name="zip or postal code" Usage="O" Datatype="ST" Length="3">
</Component>
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            <Component Name="address type" Usage="O" Datatype="ID" Length="3" Table="0190">
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            <Component Name="other geographic designation" Usage="O" Datatype="ST" Length="3">
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            <Component Name="county/parish code" Usage="O" Datatype="IS" Length="3" Table="0289">
</Component>
            <Component Name="census tract" Usage="O" Datatype="IS" Length="3" Table="0288">
</Component>
            <Component Name="address representation code" Usage="O" Datatype="ID" Length="3"
Table="0465">
</Component>
            <Component Name="address validity range" Usage="O" Datatype="DR" Length="3">
                <SubComponent Name="range start date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
                <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
            </Component>
        </Field>
        <Field Name="County Code" Usage="B" Min="0" Max="1" Datatype="IS" Length="4"
Table="0289" ItemNo="00115">
            <Reference>3.4.2.12</Reference>
        </Field>
        <Field Name="Phone Number - Home" Usage="O" Min="0" Max="*" Datatype="XTN" Length="250"
ItemNo="00116">
            <Reference>3.4.2.13</Reference>
            <Component Name="[(999)] 999-9999 [X99999][C any text]" Usage="O" Datatype="TN"
Length="3">
</Component>
            <Component Name="telecommunication use code" Usage="O" Datatype="ID" Length="3"
Table="0201">
</Component>
            <Component Name="telecommunication equipment type (ID)" Usage="O" Datatype="ID"
Length="3" Table="0202">
</Component>
            <Component Name="Email address" Usage="O" Datatype="ST" Length="3">
</Component>
            <Component Name="Country Code" Usage="O" Datatype="NM" Length="3">
</Component>
            <Component Name="Area/city code" Usage="O" Datatype="NM" Length="3">
</Component>
            <Component Name="Phone number" Usage="O" Datatype="NM" Length="3">
</Component>
            <Component Name="Extension" Usage="O" Datatype="NM" Length="3">
</Component>
            <Component Name="any text" Usage="O" Datatype="ST" Length="3">
</Component>
        </Field>
        <Field Name="Phone Number - Business" Usage="O" Min="0" Max="*" Datatype="XTN"
Length="250" ItemNo="00117">

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        <Reference>3.4.2.14</Reference>
        <Component Name="[ (999) ] 999-9999 [X99999][C any text]" Usage="O" Datatype="TN"
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        <Component Name="telecommunication equipment type (ID)" Usage="O" Datatype="ID"
Length="3" Table="0202">
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        <Component Name="Area/city code" Usage="O" Datatype="NM" Length="3">
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</Component>
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    <Field Name="Primary Language" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
Table="0296" ItemNo="00118">
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Table="0396">
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        <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
        <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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    </Field>
    <Field Name="Marital Status" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
Table="0002" ItemNo="00119">
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</Component>
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Table="0396">
</Component>
    </Field>
    <Field Name="Religion" Usage="O" Min="1" Max="1" Datatype="CE" Length="250" Table="0006"
ItemNo="00120">
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        <Component Name="identifier" Usage="O" Datatype="ST">
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Table="0396">
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</Component>
        <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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    </Field>
    <Field Name="Patient Account Number" Usage="O" Min="1" Max="1" Datatype="CX"
Length="250" ItemNo="00121">
        <Reference>3.4.2.18</Reference>
        <Component Name="ID" Usage="O" Datatype="ST" Length="3">
</Component>

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        <Component Name="Check digit" Usage="O" Datatype="ST">
</Component>
        <Component Name="code identifying the check digit scheme employed" Usage="O"
Datatype="ID" Length="3" Table="0061">
</Component>
        <Component Name="assigning authority" Usage="O" Datatype="HD" Length="3">
          <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3"
Table="0363">
</SubComponent>
          <SubComponent Name="universal ID" Usage="O" Datatype="ST" Length="3">
</SubComponent>
          <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
</SubComponent>
        </Component>
        <Component Name="identifier type code (ID)" Usage="O" Datatype="ID" Length="3"
Table="0203">
</Component>
        <Component Name="assigning facility" Usage="O" Datatype="HD" Length="3">
          <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3"
Table="0363">
</SubComponent>
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</SubComponent>
          <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
</SubComponent>
        </Component>
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</Component>
        <Component Name="expiration date" Usage="O" Datatype="DT" Length="3">
</Component>
        </Field>
        <Field Name="SSN Number - Patient" Usage="B" Min="0" Max="1" Datatype="ST" Length="16"
ItemNo="00122">
          <Reference>3.4.2.19</Reference>
        </Field>
        <Field Name="Driver's License Number - Patient" Usage="O" Min="0" Max="1" Datatype="DLN"
Length="25" ItemNo="00123">
          <Reference>3.4.2.20</Reference>
          <Component Name="Driver's License Number" Usage="O" Datatype="ST" Length="3">
</Component>
          <Component Name="Issuing State, province, country" Usage="O" Datatype="IS" Length="3"
Table="0333">
</Component>
          <Component Name="expiration date" Usage="O" Datatype="DT" Length="3">
</Component>
        </Field>
        <Field Name="Mother's Identifier" Usage="O" Min="1" Max="1" Datatype="CX" Length="250"
ItemNo="00124">
          <Reference>3.4.2.21</Reference>
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</Component>
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Datatype="ID" Length="3" Table="0061">
</Component>
          <Component Name="assigning authority" Usage="O" Datatype="HD" Length="3">
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Table="0363">
</SubComponent>
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</SubComponent>
            <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
</SubComponent>
          </Component>
          <Component Name="identifier type code (ID)" Usage="O" Datatype="ID" Length="3"
Table="0203">
</Component>
          <Component Name="assigning facility" Usage="O" Datatype="HD" Length="3">
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Table="0363">
</SubComponent>
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</SubComponent>
            <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
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</SubComponent>
          </Component>
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Table="0189" ItemNo="00125">
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</Component>
  <Component Name="text" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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  <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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  </Field>
  <Field Name="Birth Place" Usage="O" Min="0" Max="1" Datatype="ST" Length="250"
ItemNo="00126">
  <Reference>3.4.2.23</Reference>
  </Field>
  <Field Name="Multiple Birth Indicator" Usage="O" Min="0" Max="1" Datatype="ID"
Length="1" Table="0136" ItemNo="00127">
  <Reference>3.4.2.24</Reference>
  </Field>
  <Field Name="Birth Order" Usage="O" Min="0" Max="1" Datatype="NM" Length="2"
ItemNo="00128">
  <Reference>3.4.2.25</Reference>
  </Field>
  <Field Name="Citizenship" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
Table="0171" ItemNo="00129">
  <Reference>6.5.7.33</Reference>
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  <Component Name="text" Usage="O" Datatype="ST" Length="3">
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  <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</Component>
  </Field>
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Length="250" Table="0172" ItemNo="00130">
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  <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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  </Field>
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Table="0212" ItemNo="00739">
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</Component>
  <Component Name="text" Usage="O" Datatype="ST" Length="3">
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Table="0396">
</Component>
  <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
</Component>

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        <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
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Table="0396">
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        </Field>
        <Field Name="Patient Death Date and Time" Usage="O" Min="0" Max="1" Datatype="TS"
Length="26" ItemNo="00740">
        <Reference>3.4.2.29</Reference>
        <Component Name="Date/Time" Usage="O" Datatype="NM">
</Component>
        <Component Name="degree of precision" Usage="O" Datatype="ST">
</Component>
        </Field>
        <Field Name="Patient Death Indicator" Usage="O" Min="0" Max="1" Datatype="ID" Length="1"
Table="0136" ItemNo="00741">
        <Reference>3.4.2.30</Reference>
        </Field>
        <Field Name="Identity Unknown Indicator" Usage="O" Min="0" Max="1" Datatype="ID"
Length="1" Table="0136" ItemNo="01535">
        <Reference>3.4.2.31</Reference>
        </Field>
        <Field Name="Identity Reliability Code" Usage="O" Min="0" Max="*" Datatype="IS"
Length="20" Table="0445" ItemNo="01536">
        <Reference>3.4.2.32</Reference>
        </Field>
        <Field Name="Last Update Date/Time" Usage="O" Min="0" Max="1" Datatype="TS" Length="26"
ItemNo="01537">
        <Reference>3.4.2.33</Reference>
        <Component Name="Date/Time" Usage="O" Datatype="NM">
</Component>
        <Component Name="degree of precision" Usage="O" Datatype="ST">
</Component>
        </Field>
        <Field Name="Last Update Facility" Usage="O" Min="0" Max="1" Datatype="HD" Length="40"
ItemNo="01538">
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        <Component Name="namespace ID" Usage="O" Datatype="IS" Length="3" Table="0363">
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</Component>
        <Component Name="universal ID type" Usage="O" Datatype="ID" Length="3" Table="0301">
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        <Field Name="Species Code" Usage="C" Min="1" Max="1" Datatype="CE" Length="250"
Table="0446" ItemNo="01539">
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</Component>
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Table="0396">
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        </Field>
        <Field Name="Breed Code" Usage="C" Min="1" Max="1" Datatype="CE" Length="250"
Table="0447" ItemNo="01540">
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        <Component Name="text" Usage="O" Datatype="ST" Length="3">
</Component>
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</Component>
        <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
        <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</Component>
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        <Field Name="Strain" Usage="O" Min="0" Max="1" Datatype="ST" Length="80" ItemNo="01541">
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        </Field>
        <Field Name="Production Class Code" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
Table="0429" ItemNo="01542">
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Table="0396">
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        <Field Name="Living Dependency" Usage="O" Min="0" Max="*" Datatype="IS" Length="2"
Table="0223" ItemNo="00755">
        <Reference>6.5.7.31</Reference>
        </Field>
        <Field Name="Living Arrangement" Usage="O" Min="0" Max="1" Datatype="IS" Length="2"
Table="0220" ItemNo="00742">
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        </Field>
        <Field Name="Patient Primary Facility" Usage="O" Min="0" Max="*" Datatype="XON"
Length="250" ItemNo="00756">
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Table="0204">
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Datatype="ID" Length="3" Table="0061">
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        <Component Name="assigning facility ID" Usage="O" Datatype="HD" Length="3"
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Table="0363">
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</SubComponent>
        <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
</SubComponent>
        </Component>
        <Component Name="Name Representation code" Usage="O" Datatype="ID" Length="3"
Table="0465">
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        </Field>
        <Field Name="Patient Primary Care Provider Name & ID No." Usage="B" Min="0" Max="*"
Datatype="XCN" Length="250" ItemNo="00757">
        <Reference>3.4.10.4</Reference>
        <Component Name="ID number (ST)" Usage="O" Datatype="ST" Length="3">
</Component>
        <Component Name="family name" Usage="O" Datatype="FN" Length="3">
        <SubComponent Name="surname" Usage="O" Datatype="ST" Length="3">
</SubComponent>
        <SubComponent Name="own surname prefix" Usage="O" Datatype="ST" Length="3">
</SubComponent>
        <SubComponent Name="own surname" Usage="O" Datatype="ST" Length="3">

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    <SubComponent Name="surname prefix from partner/spouse" Usage="0" Datatype="ST"
Length="3">
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    <SubComponent Name="surname from partner/spouse" Usage="0" Datatype="ST"
Length="3">
</SubComponent>
    </Component>
    <Component Name="given name" Usage="0" Datatype="ST" Length="3">
</Component>
    <Component Name="second and further given names or initials thereof" Usage="0"
Datatype="ST" Length="3">
</Component>
    <Component Name="suffix (e.g., JR or III)" Usage="0" Datatype="ST" Length="3">
</Component>
    <Component Name="prefix (e.g., DR)" Usage="0" Datatype="ST" Length="3">
</Component>
    <Component Name="degree (e.g., MD)" Usage="0" Datatype="IS" Length="3" Table="0360">
</Component>
    <Component Name="source table" Usage="0" Datatype="IS" Length="3" Table="0297">
</Component>
    <Component Name="assigning authority" Usage="0" Datatype="HD" Length="3">
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</SubComponent>
    <SubComponent Name="universal ID" Usage="0" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="universal ID type" Usage="0" Datatype="ID" Length="3"
Table="0301">
</SubComponent>
    </Component>
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    <Component Name="code identifying the check digit scheme employed" Usage="0"
Datatype="ID" Length="3" Table="0061">
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</SubComponent>
    <SubComponent Name="name of coding system" Usage="0" Datatype="IS" Length="3"
Table="0396">
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    <SubComponent Name="alternate text" Usage="0" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="name of alternate coding system" Usage="0" Datatype="IS"
Length="3" Table="0396">
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    </Component>
    <Component Name="name validity range" Usage="0" Datatype="DR" Length="3">
    <SubComponent Name="range start date/time" Usage="0" Datatype="TS" Length="3">
</SubComponent>
    <SubComponent Name="range end date/time" Usage="0" Datatype="TS" Length="3">
</SubComponent>
    </Component>
    <Component Name="name assembly order" Usage="0" Datatype="ID" Length="3"
Table="0444">
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    </Field>
    <Field Name="Student Indicator" Usage="0" Min="0" Max="1" Datatype="IS" Length="2"
Table="0231" ItemNo="00745">
    <Reference>6.5.7.38</Reference>

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        <Field Name="Handicap" Usage="O" Min="0" Max="1" Datatype="IS" Length="2" Table="0295"
ItemNo="00753">
            <Reference>6.5.6.48</Reference>
        </Field>
        <Field Name="Living Will Code" Usage="O" Min="0" Max="1" Datatype="IS" Length="2"
Table="0315" ItemNo="00759">
            <Reference>3.4.10.7</Reference>
        </Field>
        <Field Name="Organ Donor Code" Usage="O" Min="0" Max="1" Datatype="IS" Length="2"
Table="0316" ItemNo="00760">
            <Reference>3.4.10.8</Reference>
        </Field>
        <Field Name="Separate Bill" Usage="O" Min="0" Max="1" Datatype="ID" Length="1"
Table="0136" ItemNo="00761">
            <Reference>3.4.10.9</Reference>
        </Field>
        <Field Name="Duplicate Patient" Usage="O" Min="1" Max="1" Datatype="CX" Length="250"
ItemNo="00762">
            <Reference>3.4.10.10</Reference>
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            <Component Name="Check digit" Usage="O" Datatype="ST">
        </Component>
            <Component Name="code identifying the check digit scheme employed" Usage="O"
Datatype="ID" Length="3" Table="0061">
        </Component>
            <Component Name="assigning authority" Usage="O" Datatype="HD" Length="3">
                <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3"
Table="0363">
            </SubComponent>
                <SubComponent Name="universal ID" Usage="O" Datatype="ST" Length="3">
            </SubComponent>
                <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
            </SubComponent>
            </Component>
            <Component Name="identifier type code (ID)" Usage="O" Datatype="ID" Length="3"
Table="0203">
        </Component>
            <Component Name="assigning facility" Usage="O" Datatype="HD" Length="3">
                <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3"
Table="0363">
            </SubComponent>
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            </SubComponent>
                <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
            </SubComponent>
            </Component>
            <Component Name="effective date (DT)" Usage="O" Datatype="DT" Length="3">
        </Component>
            <Component Name="expiration date" Usage="O" Datatype="DT" Length="3">
        </Component>
        </Field>
        <Field Name="Publicity Code" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
Table="0215" ItemNo="00743">
            <Reference>6.5.7.36</Reference>
            <Component Name="identifier" Usage="O" Datatype="ST">
        </Component>
            <Component Name="text" Usage="O" Datatype="ST" Length="3">
        </Component>
            <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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            <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
        </Component>
            <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
        </Component>
            <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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        </Field>
        <Field Name="Protection Indicator" Usage="O" Min="0" Max="1" Datatype="ID" Length="1"
Table="0136" ItemNo="00744">
            <Reference>6.5.7.37</Reference>
        </Field>
        <Field Name="Protection Indicator Effective Date" Usage="O" Min="0" Max="1"
Datatype="DT" Length="8" ItemNo="01566">
            <Reference>3.4.10.13</Reference>
        </Field>

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    <Field Name="Place of Worship" Usage="O" Min="0" Max="*" Datatype="XON" Length="250"
ItemNo="01567">
    <Reference>3.4.10.14</Reference>
    <Component Name="organization name" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="organization name type code" Usage="O" Datatype="IS" Length="3"
Table="0204">
</Component>
    <Component Name="ID number (NM)" Usage="O" Datatype="NM" Length="3">
</Component>
    <Component Name="check digit" Usage="O" Datatype="NM" Length="3">
</Component>
    <Component Name="code identifying the check digit scheme employed" Usage="O"
Datatype="ID" Length="3" Table="0061">
</Component>
    <Component Name="assigning authority" Usage="O" Datatype="HD" Length="3">
    <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3"
Table="0363">
</SubComponent>
    <SubComponent Name="universal ID" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
</SubComponent>
    <Component>
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</Component>
    <Component Name="assigning facility ID" Usage="O" Datatype="HD" Length="3"
Table="0300">
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Table="0363">
</SubComponent>
    <SubComponent Name="universal ID" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
</SubComponent>
    <Component>
    <Component Name="Name Representation code" Usage="O" Datatype="ID" Length="3"
Table="0465">
</Component>
    </Field>
    <Field Name="Advance Directive Code" Usage="O" Min="1" Max="1" Datatype="CE"
Length="250" Table="0435" ItemNo="01548">
    <Reference>3.4.10.15</Reference>
    <Component Name="identifier" Usage="O" Datatype="ST">
</Component>
    <Component Name="text" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</Component>
    <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</Component>
    </Field>
    <Field Name="Immunization Registry Status" Usage="O" Min="0" Max="1" Datatype="IS"
Length="1" Table="0441" ItemNo="01569">
    <Reference>3.4.10.16</Reference>
    </Field>
    <Field Name="Immunization Registry Status Effective Date" Usage="O" Min="0" Max="1"
Datatype="DT" Length="8" ItemNo="01570">
    <Reference>3.4.10.17</Reference>
    </Field>
    <Field Name="Publicity Code Effective Date" Usage="O" Min="0" Max="1" Datatype="DT"
Length="8" ItemNo="01571">
    <Reference>3.4.10.18</Reference>
    </Field>
    <Field Name="Military Branch" Usage="O" Min="0" Max="1" Datatype="IS" Length="5"
Table="0140" ItemNo="01572">
    <Reference>3.4.10.19</Reference>
    </Field>
    <Field Name="Military Rank/Grade" Usage="O" Min="0" Max="1" Datatype="IS" Length="2"
Table="0141" ItemNo="00486">
    <Reference>6.5.7.15</Reference>
    </Field>
    <Field Name="Military Status" Usage="O" Min="0" Max="1" Datatype="IS" Length="3"
Table="0142" ItemNo="00487">

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        <Reference>6.5.7.16</Reference>
    </Field>
</Segment>
<Segment Name="ROL" LongName="Role" Usage="O" Min="0" Max="*">
    <Field Name="Role Instance ID" Usage="C" Min="0" Max="1" Datatype="EI" Length="60"
ItemNo="01206">
        <Reference>12.4.3.1</Reference>
        <Component Name="entity identifier" Usage="O" Datatype="ST" Length="3">
    </Component>
        <Component Name="namespace ID" Usage="O" Datatype="IS" Length="3" Table="0363">
    </Component>
        <Component Name="universal ID" Usage="O" Datatype="ST" Length="3">
    </Component>
        <Component Name="universal ID type" Usage="O" Datatype="ID" Length="3" Table="0301">
    </Component>
    </Field>
    <Field Name="Action Code" Usage="R" Min="1" Max="1" Datatype="ID" Length="2"
Table="0287" ItemNo="00816">
        <Reference>12.4.4.1</Reference>
    </Field>
    <Field Name="Role-ROL" Usage="R" Min="1" Max="1" Datatype="CE" Length="250" Table="0443"
ItemNo="01197">
        <Reference>12.4.3.3</Reference>
        <Component Name="identifier" Usage="O" Datatype="ST">
    </Component>
        <Component Name="text" Usage="O" Datatype="ST" Length="3">
    </Component>
        <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
    </Component>
        <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
    </Component>
        <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
    </Component>
        <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
    </Component>
    </Field>
    <Field Name="Role Person" Usage="R" Min="1" Max="1" Datatype="XCN" Length="250"
ItemNo="01198">
        <Reference>12.4.3.4</Reference>
        <Component Name="ID number (ST)" Usage="O" Datatype="ST" Length="3">
    </Component>
        <Component Name="family name" Usage="O" Datatype="FN" Length="3">
            <SubComponent Name="surname" Usage="O" Datatype="ST" Length="3">
    </SubComponent>
            <SubComponent Name="own surname prefix" Usage="O" Datatype="ST" Length="3">
    </SubComponent>
            <SubComponent Name="own surname" Usage="O" Datatype="ST" Length="3">
    </SubComponent>
            <SubComponent Name="surname prefix from partner/spouse" Usage="O" Datatype="ST"
Length="3">
    </SubComponent>
            <SubComponent Name="surname from partner/spouse" Usage="O" Datatype="ST"
Length="3">
    </SubComponent>
        </Component>
        <Component Name="given name" Usage="O" Datatype="ST" Length="3">
    </Component>
        <Component Name="second and further given names or initials thereof" Usage="O"
Datatype="ST" Length="3">
    </Component>
        <Component Name="suffix (e.g., JR or III)" Usage="O" Datatype="ST" Length="3">
    </Component>
        <Component Name="prefix (e.g., DR)" Usage="O" Datatype="ST" Length="3">
    </Component>
        <Component Name="degree (e.g., MD)" Usage="O" Datatype="IS" Length="3" Table="0360">
    </Component>
        <Component Name="source table" Usage="O" Datatype="IS" Length="3" Table="0297">
    </Component>
        <Component Name="assigning authority" Usage="O" Datatype="HD" Length="3">
            <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3"
Table="0363">
    </SubComponent>
            <SubComponent Name="universal ID" Usage="O" Datatype="ST" Length="3">
    </SubComponent>
            <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
    </SubComponent>
        </Component>
        <Component Name="name type code" Usage="O" Datatype="ID" Length="3" Table="0200">
    </Component>

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    <Component Name="identifier check digit" Usage="0" Datatype="ST" Length="3">
  </Component>
  <Component Name="code identifying the check digit scheme employed" Usage="0"
Datatype="ID" Length="3" Table="0061">
  </Component>
  <Component Name="identifier type code (IS)" Usage="0" Datatype="IS" Length="3">
  </Component>
  <Component Name="assigning facility" Usage="0" Datatype="HD" Length="3">
    <SubComponent Name="namespace ID" Usage="0" Datatype="IS" Length="3"
Table="0363">
  </SubComponent>
    <SubComponent Name="universal ID" Usage="0" Datatype="ST" Length="3">
  </SubComponent>
    <SubComponent Name="universal ID type" Usage="0" Datatype="ID" Length="3"
Table="0301">
  </SubComponent>
  </Component>
  <Component Name="Name Representation code" Usage="0" Datatype="ID" Length="3"
Table="0465">
  </Component>
  <Component Name="name context" Usage="R" Datatype="CE">
    <SubComponent Name="identifier" Usage="0" Datatype="ST">
  </SubComponent>
    <SubComponent Name="text" Usage="0" Datatype="ST" Length="3">
  </SubComponent>
    <SubComponent Name="name of coding system" Usage="0" Datatype="IS" Length="3"
Table="0396">
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    <SubComponent Name="alternate identifier" Usage="0" Datatype="ST" Length="3">
  </SubComponent>
    <SubComponent Name="alternate text" Usage="0" Datatype="ST" Length="3">
  </SubComponent>
    <SubComponent Name="name of alternate coding system" Usage="0" Datatype="IS"
Length="3" Table="0396">
  </SubComponent>
  </Component>
  <Component Name="name validity range" Usage="0" Datatype="DR" Length="3">
    <SubComponent Name="range start date/time" Usage="0" Datatype="TS" Length="3">
  </SubComponent>
    <SubComponent Name="range end date/time" Usage="0" Datatype="TS" Length="3">
  </SubComponent>
  </Component>
  <Component Name="name assembly order" Usage="0" Datatype="ID" Length="3"
Table="0444">
  </Component>
  </Field>
  <Field Name="Role Begin Date/Time" Usage="0" Min="0" Max="1" Datatype="TS" Length="26"
ItemNo="01199">
    <Reference>12.4.3.5</Reference>
    <Component Name="Date/Time" Usage="0" Datatype="NM">
  </Component>
  <Component Name="degree of precision" Usage="0" Datatype="ST">
  </Component>
  </Field>
  <Field Name="Role End Date/Time" Usage="0" Min="0" Max="1" Datatype="TS" Length="26"
ItemNo="01200">
    <Reference>12.4.3.6</Reference>
    <Component Name="Date/Time" Usage="0" Datatype="NM">
  </Component>
  <Component Name="degree of precision" Usage="0" Datatype="ST">
  </Component>
  </Field>
  <Field Name="Role Duration" Usage="0" Min="1" Max="1" Datatype="CE" Length="250"
ItemNo="01201">
    <Reference>12.4.3.7</Reference>
    <Component Name="identifier" Usage="0" Datatype="ST">
  </Component>
  <Component Name="text" Usage="0" Datatype="ST" Length="3">
  </Component>
  <Component Name="name of coding system" Usage="0" Datatype="IS" Length="3"
Table="0396">
  </Component>
  <Component Name="alternate identifier" Usage="0" Datatype="ST" Length="3">
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  <Component Name="alternate text" Usage="0" Datatype="ST" Length="3">
  </Component>
  <Component Name="name of alternate coding system" Usage="0" Datatype="IS" Length="3"
Table="0396">
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  </Field>
  <Field Name="Role Action Reason" Usage="0" Min="1" Max="1" Datatype="CE" Length="250"
ItemNo="01205">

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        <Reference>12.4.3.8</Reference>
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    <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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    </Component>
    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
    </Component>
    <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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    </Field>
    <Field Name="Provider Type" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
ItemNo="01510">
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Table="0396">
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    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
    </Component>
    <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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    </Field>
    <Field Name="Organization Unit Type - ROL" Usage="O" Min="1" Max="1" Datatype="CE"
Length="250" Table="0406" ItemNo="01461">
        <Reference>12.4.3.10</Reference>
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    <Component Name="text" Usage="O" Datatype="ST" Length="3">
    </Component>
    <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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    <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
    </Component>
    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
    </Component>
    <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
    </Component>
    </Field>
    <Field Name="Office/Home Address" Usage="O" Min="0" Max="*" Datatype="XAD" Length="250"
ItemNo="00679">
        <Reference>15.4.6.11</Reference>
        <Component Name="street address (SAD)" Usage="O" Datatype="SAD" Length="3">
            <SubComponent Name="street or mailing address" Usage="O" Datatype="ST"
Length="3">
            </SubComponent>
            <SubComponent Name="street name" Usage="O" Datatype="ST" Length="3">
            </SubComponent>
            <SubComponent Name="dwelling number" Usage="O" Datatype="ST" Length="3">
            </SubComponent>
            </Component>
            <Component Name="other designation" Usage="O" Datatype="ST" Length="3">
            </Component>
            <Component Name="city" Usage="O" Datatype="ST" Length="3">
            </Component>
            <Component Name="state or province" Usage="O" Datatype="ST" Length="3">
            </Component>
            <Component Name="zip or postal code" Usage="O" Datatype="ST" Length="3">
            </Component>
            <Component Name="country" Usage="O" Datatype="ID" Length="3" Table="0399">
            </Component>
            <Component Name="address type" Usage="O" Datatype="ID" Length="3" Table="0190">
            </Component>
            <Component Name="other geographic designation" Usage="O" Datatype="ST" Length="3">
            </Component>
            <Component Name="county/parish code" Usage="O" Datatype="IS" Length="3" Table="0289">
            </Component>
            <Component Name="census tract" Usage="O" Datatype="IS" Length="3" Table="0288">
            </Component>

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        <Component Name="address representation code" Usage="0" Datatype="ID" Length="3"
Table="0465">
</Component>
        <Component Name="address validity range" Usage="0" Datatype="DR" Length="3">
        <SubComponent Name="range start date/time" Usage="0" Datatype="TS" Length="3">
</SubComponent>
        <SubComponent Name="range end date/time" Usage="0" Datatype="TS" Length="3">
</SubComponent>
        </Component>
        </Field>
        <Field Name="Phone" Usage="0" Min="0" Max="*" Datatype="XTN" Length="250"
ItemNo="00678">
        <Reference>15.4.6.10</Reference>
        <Component Name="[(999)] 999-9999 [X99999][C any text]" Usage="0" Datatype="TN"
Length="3">
</Component>
        <Component Name="telecommunication use code" Usage="0" Datatype="ID" Length="3"
Table="0201">
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        <Component Name="telecommunication equipment type (ID)" Usage="0" Datatype="ID"
Length="3" Table="0202">
</Component>
        <Component Name="Email address" Usage="0" Datatype="ST" Length="3">
</Component>
        <Component Name="Country Code" Usage="0" Datatype="NM" Length="3">
</Component>
        <Component Name="Area/city code" Usage="0" Datatype="NM" Length="3">
</Component>
        <Component Name="Phone number" Usage="0" Datatype="NM" Length="3">
</Component>
        <Component Name="Extension" Usage="0" Datatype="NM" Length="3">
</Component>
        <Component Name="any text" Usage="0" Datatype="ST" Length="3">
</Component>
        </Field>
        </Segment>
        <Segment Name="NK1" LongName="Next of kin / associated parties" Usage="0" Min="0" Max="*">
        <Field Name="Set ID - NK1" Usage="R" Min="1" Max="1" Datatype="SI" Length="4"
ItemNo="00190">
        <Reference>3.4.5.1</Reference>
        </Field>
        <Field Name="Name" Usage="0" Min="0" Max="*" Datatype="XPN" Length="250" ItemNo="00191">
        <Reference>3.4.5.2</Reference>
        <Component Name="family name" Usage="0" Datatype="FN" Length="3">
        <SubComponent Name="surname" Usage="0" Datatype="ST" Length="3">
</SubComponent>
        <SubComponent Name="own surname prefix" Usage="0" Datatype="ST" Length="3">
</SubComponent>
        <SubComponent Name="own surname" Usage="0" Datatype="ST" Length="3">
</SubComponent>
        <SubComponent Name="surname prefix from partner/spouse" Usage="0" Datatype="ST"
Length="3">
</SubComponent>
        <SubComponent Name="surname from partner/spouse" Usage="0" Datatype="ST"
Length="3">
</SubComponent>
        </Component>
        <Component Name="given name" Usage="0" Datatype="ST" Length="3">
</Component>
        <Component Name="second and further given names or initials thereof" Usage="0"
Datatype="ST" Length="3">
</Component>
        <Component Name="suffix (e.g., JR or III)" Usage="0" Datatype="ST" Length="3">
</Component>
        <Component Name="prefix (e.g., DR)" Usage="0" Datatype="ST" Length="3">
</Component>
        <Component Name="degree (e.g., MD)" Usage="0" Datatype="IS" Length="3" Table="0360">
</Component>
        <Component Name="name type code" Usage="0" Datatype="ID" Length="3" Table="0200">
</Component>
        <Component Name="Name Representation code" Usage="0" Datatype="ID" Length="3"
Table="0465">
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        <Component Name="name context" Usage="R" Datatype="CE">
        <SubComponent Name="identifier" Usage="0" Datatype="ST">
</SubComponent>
        <SubComponent Name="text" Usage="0" Datatype="ST" Length="3">
</SubComponent>
        <SubComponent Name="name of coding system" Usage="0" Datatype="IS" Length="3"
Table="0396">
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Length="3" Table="0396">
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  </Component>
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      <SubComponent Name="range start date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
      <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
    </Component>
    <Component Name="name assembly order" Usage="O" Datatype="ID" Length="3"
Table="0444">
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  </Field>
  <Field Name="Relationship" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
Table="0063" ItemNo="00192">
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  <Component Name="identifier" Usage="O" Datatype="ST">
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  <Component Name="text" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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  <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
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  <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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  </Field>
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ItemNo="00193">
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    <SubComponent Name="street or mailing address" Usage="O" Datatype="ST"
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    <SubComponent Name="street name" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="dwelling number" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    </Component>
    <Component Name="other designation" Usage="O" Datatype="ST" Length="3">
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</Component>
    <Component Name="state or province" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="zip or postal code" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="country" Usage="O" Datatype="ID" Length="3" Table="0399">
</Component>
    <Component Name="address type" Usage="O" Datatype="ID" Length="3" Table="0190">
</Component>
    <Component Name="other geographic designation" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="county/parish code" Usage="O" Datatype="IS" Length="3" Table="0289">
</Component>
    <Component Name="census tract" Usage="O" Datatype="IS" Length="3" Table="0288">
</Component>
    <Component Name="address representation code" Usage="O" Datatype="ID" Length="3"
Table="0465">
</Component>
    <Component Name="address validity range" Usage="O" Datatype="DR" Length="3">
      <SubComponent Name="range start date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
      <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
    </Component>
  </Field>
  <Field Name="Phone Number" Usage="O" Min="0" Max="*" Datatype="XTN" Length="250"
ItemNo="00194">
  <Reference>3.4.5.5</Reference>
  <Component Name="[(999)] 999-9999 [X99999][C any text]" Usage="O" Datatype="TN"
Length="3">
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Table="0201">
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        <Component Name="telecommunication equipment type (ID)" Usage="O" Datatype="ID"
Length="3" Table="0202">
</Component>
        <Component Name="Email address" Usage="O" Datatype="ST" Length="3">
</Component>
        <Component Name="Country Code" Usage="O" Datatype="NM" Length="3">
</Component>
        <Component Name="Area/city code" Usage="O" Datatype="NM" Length="3">
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        <Component Name="Extension" Usage="O" Datatype="NM" Length="3">
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Length="3" Table="0202">
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</Field>
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ItemNo="00198">
        <Reference>3.4.5.9</Reference>
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Datatype="ST" Length="60" ItemNo="00199">
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Datatype="JCC" Length="20" Table="0327" ItemNo="00200">
        <Reference>3.4.5.11</Reference>
        <Component Name="job code" Usage="O" Datatype="IS" Length="3" Table="0327">
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        <Component Name="job class" Usage="O" Datatype="IS" Length="3" Table="0328">
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Datatype="ID" Length="3" Table="0061">
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        <Component Name="assigning authority" Usage="O" Datatype="HD" Length="3">
        <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3"
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        <Component Name="identifier type code (ID)" Usage="O" Datatype="ID" Length="3"
Table="0203">
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        <Component Name="assigning facility" Usage="O" Datatype="HD" Length="3">
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        <Component Name="expiration date" Usage="O" Datatype="DT" Length="3">
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Length="250" ItemNo="00202">
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        <Component Name="organization name" Usage="O" Datatype="ST" Length="3">
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Table="0296" ItemNo="00118">
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Table="0215" ItemNo="00743">
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  <Component Name="second and further given names or initials thereof" Usage="O"
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</Component>
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</Component>
  <Component Name="prefix (e.g., DR)" Usage="O" Datatype="ST" Length="3">
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  <Component Name="degree (e.g., MD)" Usage="O" Datatype="IS" Length="3" Table="0360">
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  <Component Name="name type code" Usage="O" Datatype="ID" Length="3" Table="0200">
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  <Component Name="Name Representation code" Usage="O" Datatype="ID" Length="3"
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  <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
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  <Component Name="name assembly order" Usage="O" Datatype="ID" Length="3"
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  <SubComponent Name="surname prefix from partner/spouse" Usage="O" Datatype="ST"
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        <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
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        <Reference>3.4.4.12</Reference>
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        <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
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Table="0213" ItemNo="00717">
    <Reference>3.4.4.16</Reference>
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ItemNo="00718">
    <Reference>3.4.4.17</Reference>
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Table="0214" ItemNo="00719">
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Table="0136" ItemNo="00720">
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Length="1" ItemNo="00721">
    <Reference>3.4.4.20</Reference>
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  <Field Name="Visit Publicity Code" Usage="O" Min="0" Max="1" Datatype="IS" Length="1"
Table="0215" ItemNo="00722">
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  <Field Name="Visit Protection Indicator" Usage="O" Min="0" Max="1" Datatype="ID"
Length="1" Table="0136" ItemNo="00723">
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Length="250" ItemNo="00724">
    <Reference>3.4.4.23</Reference>
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            </Component>
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ItemNo="00727">
    <Reference>3.4.4.26</Reference>
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Length="2" Table="0112" ItemNo="00728">
    <Reference>3.4.4.27</Reference>
  </Field>
  <Field Name="Signature on File Date" Usage="O" Min="0" Max="1" Datatype="DT" Length="8"
ItemNo="00729">
    <Reference>3.4.4.28</Reference>
  </Field>
  <Field Name="First Similar Illness Date" Usage="O" Min="0" Max="1" Datatype="DT"
Length="8" ItemNo="00730">
    <Reference>3.4.4.29</Reference>
  </Field>
  <Field Name="Patient Charge Adjustment Code" Usage="O" Min="1" Max="1" Datatype="CE"
Length="250" Table="0218" ItemNo="00731">
    <Reference>3.4.4.30</Reference>
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  </Component>
  <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
  </Component>
  <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3">
Table="0396">
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  </Field>
  <Field Name="Recurring Service Code" Usage="O" Min="0" Max="1" Datatype="IS" Length="2"
Table="0219" ItemNo="00732">
    <Reference>3.4.4.31</Reference>
  </Field>
  <Field Name="Billing Media Code" Usage="O" Min="0" Max="1" Datatype="ID" Length="1"
Table="0136" ItemNo="00733">
    <Reference>3.4.4.32</Reference>
  </Field>
  <Field Name="Expected Surgery Date and Time" Usage="O" Min="0" Max="1" Datatype="TS"
Length="26" ItemNo="00734">
    <Reference>3.4.4.33</Reference>
    <Component Name="Date/Time" Usage="O" Datatype="NM">
  </Component>
  <Component Name="degree of precision" Usage="O" Datatype="ST">
  </Component>
  </Field>
  <Field Name="Military Partnership Code" Usage="O" Min="0" Max="1" Datatype="ID"
Length="1" Table="0136" ItemNo="00735">
    <Reference>3.4.4.34</Reference>
  </Field>
  <Field Name="Military Non-Availability Code" Usage="O" Min="0" Max="1" Datatype="ID"
Length="1" Table="0136" ItemNo="00736">
    <Reference>3.4.4.35</Reference>
  </Field>
  <Field Name="Newborn Baby Indicator" Usage="O" Min="0" Max="1" Datatype="ID" Length="1"
Table="0136" ItemNo="00737">
    <Reference>3.4.4.36</Reference>
  </Field>
  <Field Name="Baby Detained Indicator" Usage="O" Min="0" Max="1" Datatype="ID" Length="1"
Table="0136" ItemNo="00738">
    <Reference>3.4.4.37</Reference>
  </Field>
  <Field Name="Mode of Arrival Code" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
Table="0430" ItemNo="01543">
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Length="250" Table="0431" ItemNo="01544">
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Length="250" Table="0432" ItemNo="01545">
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Table="0433" ItemNo="01546">
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Length="250" Table="0434" ItemNo="01547">
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        <Reference>3.4.10.7</Reference>
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    </Field>
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Length="250" Table="0435" ItemNo="01548">
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Length="8" ItemNo="01549">
        <Reference>3.4.4.46</Reference>
    </Field>
    <Field Name="Expected LOA Return Date/Time" Usage="C" Min="0" Max="1" Datatype="TS"
Length="26" ItemNo="01550">
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</Component>
    <Component Name="degree of precision" Usage="O" Datatype="ST">
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    <Segment Name="ROI" LongName="Role" Usage="O" Min="0" Max="*">
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ItemNo="01206">
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    <Component Name="namespace ID" Usage="O" Datatype="IS" Length="3" Table="0363">
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    <Component Name="universal ID" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="universal ID type" Usage="O" Datatype="ID" Length="3" Table="0301">
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    <Field Name="Action Code" Usage="R" Min="1" Max="1" Datatype="ID" Length="2"
Table="0287" ItemNo="00816">
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    <Component Name="text" Usage="O" Datatype="ST" Length="3">
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Table="0396">
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</Component>
    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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    </Field>
    <Field Name="Role Person" Usage="R" Min="1" Max="1" Datatype="XCN" Length="250"
ItemNo="01198">
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</Component>
    <Component Name="family name" Usage="O" Datatype="FN" Length="3">
    <SubComponent Name="surname" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="own surname prefix" Usage="O" Datatype="ST" Length="3">
</SubComponent>

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        <SubComponent Name="own surname" Usage="O" Datatype="ST" Length="3">
    </SubComponent>
        <SubComponent Name="surname prefix from partner/spouse" Usage="O" Datatype="ST"
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    </SubComponent>
        <SubComponent Name="surname from partner/spouse" Usage="O" Datatype="ST"
Length="3">
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    </Component>
    <Component Name="second and further given names or initials thereof" Usage="O"
Datatype="ST" Length="3">
    </Component>
    <Component Name="suffix (e.g., JR or III)" Usage="O" Datatype="ST" Length="3">
    </Component>
    <Component Name="prefix (e.g., DR)" Usage="O" Datatype="ST" Length="3">
    </Component>
    <Component Name="degree (e.g., MD)" Usage="O" Datatype="IS" Length="3" Table="0360">
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    <Component Name="assigning authority" Usage="O" Datatype="HD" Length="3">
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Datatype="ID" Length="3" Table="0061">
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Table="0465">
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    <Component Name="name validity range" Usage="O" Datatype="DR" Length="3">
        <SubComponent Name="range start date/time" Usage="O" Datatype="TS" Length="3">
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        <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
    </SubComponent>
    </Component>
    <Component Name="name assembly order" Usage="O" Datatype="ID" Length="3"
Table="0444">
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ItemNo="01199">

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ItemNo="01200">
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Table="0396">
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Length="250" Table="0406" ItemNo="01461">
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ItemNo="00679">
    <Reference>15.4.6.11</Reference>
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    <SubComponent Name="street or mailing address" Usage="O" Datatype="ST"
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    <Component Name="state or province" Usage="O" Datatype="ST" Length="3">
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    <Component Name="zip or postal code" Usage="O" Datatype="ST" Length="3">
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    <Component Name="address type" Usage="O" Datatype="ID" Length="3" Table="0190">
</Component>
    <Component Name="other geographic designation" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="county/parish code" Usage="O" Datatype="IS" Length="3" Table="0289">
</Component>
    <Component Name="census tract" Usage="O" Datatype="IS" Length="3" Table="0288">
</Component>
    <Component Name="address representation code" Usage="O" Datatype="ID" Length="3"
Table="0465">
</Component>
    <Component Name="address validity range" Usage="O" Datatype="DR" Length="3">
    <SubComponent Name="range start date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
    <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
    </Component>
    </Field>
    <Field Name="Phone" Usage="O" Min="0" Max="*" Datatype="XTN" Length="250"
ItemNo="00678">
    <Reference>15.4.6.10</Reference>
    <Component Name="[(999)] 999-9999 [X99999][C any text]" Usage="O" Datatype="TN"
Length="3">
</Component>
    <Component Name="telecommunication use code" Usage="O" Datatype="ID" Length="3"
Table="0201">
</Component>
    <Component Name="telecommunication equipment type (ID)" Usage="O" Datatype="ID"
Length="3" Table="0202">
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    <Component Name="Email address" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="Country Code" Usage="O" Datatype="NM" Length="3">
</Component>
    <Component Name="Area/city code" Usage="O" Datatype="NM" Length="3">
</Component>
    <Component Name="Phone number" Usage="O" Datatype="NM" Length="3">
</Component>
    <Component Name="Extension" Usage="O" Datatype="NM" Length="3">
</Component>
    <Component Name="any text" Usage="O" Datatype="ST" Length="3">
</Component>
    </Field>
</Segment>
    <Segment Name="DB1" LongName="Disability" Usage="O" Min="0" Max="*">
    <Field Name="Set ID - DB1" Usage="R" Min="1" Max="1" Datatype="SI" Length="4"
ItemNo="01283">
    <Reference>3.4.11.1</Reference>
    </Field>
    <Field Name="Disabled Person Code" Usage="O" Min="0" Max="1" Datatype="IS" Length="2"
Table="0334" ItemNo="01284">
    <Reference>3.4.11.2</Reference>
    </Field>
    <Field Name="Disabled Person Identifier" Usage="O" Min="1" Max="1" Datatype="CX"
Length="250" ItemNo="01285">
    <Reference>3.4.11.3</Reference>

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        <Component Name="ID" Usage="0" Datatype="ST" Length="3">
    </Component>
    <Component Name="Check digit" Usage="0" Datatype="ST">
    </Component>
    <Component Name="code identifying the check digit scheme employed" Usage="0"
Datatype="ID" Length="3" Table="0061">
    </Component>
    <Component Name="assigning authority" Usage="0" Datatype="HD" Length="3">
        <SubComponent Name="namespace ID" Usage="0" Datatype="IS" Length="3"
Table="0363">
    </SubComponent>
        <SubComponent Name="universal ID" Usage="0" Datatype="ST" Length="3">
    </SubComponent>
        <SubComponent Name="universal ID type" Usage="0" Datatype="ID" Length="3"
Table="0301">
    </SubComponent>
    </Component>
    <Component Name="identifier type code (ID)" Usage="0" Datatype="ID" Length="3"
Table="0203">
    </Component>
    <Component Name="assigning facility" Usage="0" Datatype="HD" Length="3">
        <SubComponent Name="namespace ID" Usage="0" Datatype="IS" Length="3"
Table="0363">
    </SubComponent>
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        <SubComponent Name="universal ID type" Usage="0" Datatype="ID" Length="3"
Table="0301">
    </SubComponent>
    </Component>
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    <Component Name="expiration date" Usage="0" Datatype="DT" Length="3">
    </Component>
    </Field>
    <Field Name="Disability Indicator" Usage="0" Min="0" Max="1" Datatype="ID" Length="1"
Table="0136" ItemNo="01286">
        <Reference>3.4.11.4</Reference>
    </Field>
    <Field Name="Disability Start Date" Usage="0" Min="0" Max="1" Datatype="DT" Length="8"
ItemNo="01287">
        <Reference>3.4.11.5</Reference>
    </Field>
    <Field Name="Disability End Date" Usage="0" Min="0" Max="1" Datatype="DT" Length="8"
ItemNo="01288">
        <Reference>3.4.11.6</Reference>
    </Field>
    <Field Name="Disability Return to Work Date" Usage="0" Min="0" Max="1" Datatype="DT"
Length="8" ItemNo="01289">
        <Reference>3.4.11.7</Reference>
    </Field>
    <Field Name="Disability Unable to Work Date" Usage="0" Min="0" Max="1" Datatype="DT"
Length="8" ItemNo="01290">
        <Reference>3.4.11.8</Reference>
    </Field>
    </Segment>
    <Segment Name="OBX" LongName="Observation/Result" Usage="0" Min="0" Max="*">
        <Field Name="Set ID - OBX" Usage="0" Min="0" Max="1" Datatype="SI" Length="4"
ItemNo="00569">
            <Reference>7.4.2.1</Reference>
        </Field>
        <Field Name="Value Type" Usage="R" Min="1" Max="1" Datatype="ID" Length="2" Table="0125"
ItemNo="00570">
            <Reference>8.8.5.7</Reference>
        </Field>
        <Field Name="Observation Identifier" Usage="R" Min="1" Max="1" Datatype="CE"
Length="250" ItemNo="00571">
            <Reference>7.4.2.3</Reference>
        <Component Name="identifier" Usage="0" Datatype="ST">
    </Component>
        <Component Name="text" Usage="0" Datatype="ST" Length="3">
    </Component>
        <Component Name="name of coding system" Usage="0" Datatype="IS" Length="3"
Table="0396">
    </Component>
        <Component Name="alternate identifier" Usage="0" Datatype="ST" Length="3">
    </Component>
        <Component Name="alternate text" Usage="0" Datatype="ST" Length="3">
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        <Component Name="name of alternate coding system" Usage="0" Datatype="IS" Length="3"
Table="0396">
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        </Field>
        <Field Name="Observation Sub-Id" Usage="C" Min="0" Max="1" Datatype="ST" Length="20"
ItemNo="00572">
            <Reference>7.4.2.4</Reference>
        </Field>
        <Field Name="Observation Value" Usage="R" Min="1" Max="1" Datatype="VARIES"
Length="65536" ItemNo="00573">
            <Reference>7.4.2.5</Reference>
        </Field>
        <Field Name="Units" Usage="O" Min="1" Max="1" Datatype="CE" Length="250" ItemNo="00574">
            <Reference>13.4.9.13</Reference>
            <Component Name="identifier" Usage="O" Datatype="ST">
        </Component>
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Table="0396">
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        </Component>
        <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3">
Table="0396">
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        </Field>
        <Field Name="References Range" Usage="O" Min="0" Max="1" Datatype="ST" Length="60"
ItemNo="00575">
            <Reference>7.4.2.7</Reference>
        </Field>
        <Field Name="Abnormal Flags" Usage="O" Min="0" Max="1" Datatype="IS" Length="5"
Table="0078" ItemNo="00576">
            <Reference>7.4.2.8</Reference>
        </Field>
        <Field Name="Probability" Usage="O" Min="0" Max="*" Datatype="NM" Length="5"
ItemNo="00577">
            <Reference>7.4.2.9</Reference>
        </Field>
        <Field Name="Nature of Abnormal Test" Usage="O" Min="0" Max="1" Datatype="ID" Length="2"
Table="0080" ItemNo="00578">
            <Reference>7.4.2.10</Reference>
        </Field>
        <Field Name="Observation Result Status" Usage="R" Min="1" Max="1" Datatype="ID"
Length="1" Table="0085" ItemNo="00579">
            <Reference>7.4.2.11</Reference>
        </Field>
        <Field Name="Date Last Observation Normal Value" Usage="O" Min="0" Max="1" Datatype="TS"
Length="26" ItemNo="00580">
            <Reference>7.4.2.12</Reference>
            <Component Name="Date/Time" Usage="O" Datatype="NM">
        </Component>
        <Component Name="degree of precision" Usage="O" Datatype="ST">
        </Component>
        </Field>
        <Field Name="User Defined Access Checks" Usage="O" Min="0" Max="1" Datatype="ST"
Length="20" ItemNo="00581">
            <Reference>7.4.2.13</Reference>
        </Field>
        <Field Name="Date/Time of the Observation" Usage="O" Min="0" Max="1" Datatype="TS"
Length="26" ItemNo="00582">
            <Reference>7.4.2.14</Reference>
            <Component Name="Date/Time" Usage="O" Datatype="NM">
        </Component>
        <Component Name="degree of precision" Usage="O" Datatype="ST">
        </Component>
        </Field>
        <Field Name="Producer's ID" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
ItemNo="00583">
            <Reference>7.4.2.15</Reference>
            <Component Name="identifier" Usage="O" Datatype="ST">
        </Component>
        <Component Name="text" Usage="O" Datatype="ST" Length="3">
        </Component>
        <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3">
Table="0396">
        </Component>
        <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
        </Component>
        <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
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        <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3">
Table="0396">
    
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</Component>
  </Field>
  <Field Name="Responsible Observer" Usage="O" Min="0" Max="1" Datatype="XCN" Length="250"
ItemNo="00584">
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    <Component Name="ID number (ST)" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="family name" Usage="O" Datatype="FN" Length="3">
    <SubComponent Name="surname" Usage="O" Datatype="ST" Length="3">
</SubComponent>
  <SubComponent Name="own surname prefix" Usage="O" Datatype="ST" Length="3">
</SubComponent>
  <SubComponent Name="own surname" Usage="O" Datatype="ST" Length="3">
</SubComponent>
  <SubComponent Name="surname prefix from partner/spouse" Usage="O" Datatype="ST"
Length="3">
</SubComponent>
  <SubComponent Name="surname from partner/spouse" Usage="O" Datatype="ST"
Length="3">
</SubComponent>
  </Component>
  <Component Name="given name" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="second and further given names or initials thereof" Usage="O"
Datatype="ST" Length="3">
</Component>
  <Component Name="suffix (e.g., JR or III)" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="prefix (e.g., DR)" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="degree (e.g., MD)" Usage="O" Datatype="IS" Length="3" Table="0360">
</Component>
  <Component Name="source table" Usage="O" Datatype="IS" Length="3" Table="0297">
</Component>
  <Component Name="assigning authority" Usage="O" Datatype="HD" Length="3">
    <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3"
Table="0363">
</SubComponent>
    <SubComponent Name="universal ID" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
</SubComponent>
  </Component>
  <Component Name="name type code" Usage="O" Datatype="ID" Length="3" Table="0200">
</Component>
  <Component Name="identifier check digit" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="code identifying the check digit scheme employed" Usage="O"
Datatype="ID" Length="3" Table="0061">
</Component>
  <Component Name="identifier type code (IS)" Usage="O" Datatype="IS" Length="3">
</Component>
  <Component Name="assigning facility" Usage="O" Datatype="HD" Length="3">
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Table="0363">
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</SubComponent>
    <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
</SubComponent>
  </Component>
  <Component Name="Name Representation code" Usage="O" Datatype="ID" Length="3"
Table="0465">
</Component>
  <Component Name="name context" Usage="R" Datatype="CE">
    <SubComponent Name="identifier" Usage="O" Datatype="ST">
</SubComponent>
    <SubComponent Name="text" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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    <SubComponent Name="alternate text" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="name of alternate coding system" Usage="O" Datatype="IS"
Length="3" Table="0396">
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  </Component>

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<Component Name="name validity range" Usage="O" Datatype="DR" Length="3">
  <SubComponent Name="range start date/time" Usage="O" Datatype="TS" Length="3">
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  <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
</Component>
<Component Name="name assembly order" Usage="O" Datatype="ID" Length="3"
Table="0444">
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</Field>
<Field Name="Observation Method" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
ItemNo="00936">
  <Reference>7.4.2.17</Reference>
  <Component Name="identifier" Usage="O" Datatype="ST">
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  <Component Name="text" Usage="O" Datatype="ST" Length="3">
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Table="0396">
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  <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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</Field>
<Field Name="Equipment Instance Identifier" Usage="O" Min="0" Max="*" Datatype="EI"
Length="22" ItemNo="01479">
  <Reference>13.4.1.1</Reference>
  <Component Name="entity identifier" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="namespace ID" Usage="O" Datatype="IS" Length="3" Table="0363">
</Component>
  <Component Name="universal ID" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="universal ID type" Usage="O" Datatype="ID" Length="3" Table="0301">
</Component>
</Field>
<Field Name="Date/Time of the Analysis" Usage="O" Min="0" Max="1" Datatype="TS"
Length="26" ItemNo="01480">
  <Reference>7.4.2.19</Reference>
  <Component Name="Date/Time" Usage="O" Datatype="NM">
</Component>
  <Component Name="degree of precision" Usage="O" Datatype="ST">
</Component>
</Field>
</Segment>
<Segment Name="AL1" LongName="Patient allergy information" Usage="O" Min="0" Max="*">
  <Field Name="Set ID - AL1" Usage="R" Min="1" Max="1" Datatype="CE" Length="250"
ItemNo="00203">
  <Reference>3.4.6.1</Reference>
  <Component Name="identifier" Usage="O" Datatype="ST">
</Component>
  <Component Name="text" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</Component>
  <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
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  <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</Component>
</Field>
<Field Name="Allergen Type Code" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
Table="0127" ItemNo="00204">
  <Reference>3.4.7.2</Reference>
  <Component Name="identifier" Usage="O" Datatype="ST">
</Component>
  <Component Name="text" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</Component>
  <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
</Component>
  <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
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        <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
</Component>
    </Field>
    <Field Name="Allergen Code/Mnemonic/Description" Usage="R" Min="1" Max="1" Datatype="CE"
Length="250" ItemNo="00205">
    <Reference>3.4.7.3</Reference>
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</Component>
    <Component Name="text" Usage="O" Datatype="ST" Length="3">
</Component>
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Table="0396">
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Table="0396">
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    </Field>
    <Field Name="Allergy Severity Code" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
Table="0128" ItemNo="00206">
    <Reference>3.4.7.4</Reference>
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</Component>
    <Component Name="text" Usage="O" Datatype="ST" Length="3">
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Table="0396">
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    <Field Name="Allergy Reaction Code" Usage="O" Min="0" Max="*" Datatype="ST" Length="15"
ItemNo="00207">
    <Reference>3.4.7.5</Reference>
    </Field>
    <Field Name="Identification Date" Usage="B" Min="0" Max="1" Datatype="DT" Length="8"
ItemNo="00208">
    <Reference>3.4.6.6</Reference>
    </Field>
</Segment>
<Segment Name="DG1" LongName="Diagnosis" Usage="O" Min="0" Max="*">
    <Field Name="Set ID - DG1" Usage="R" Min="1" Max="1" Datatype="SI" Length="4"
ItemNo="00375">
    <Reference>6.5.2.1</Reference>
    </Field>
    <Field Name="Diagnosis Coding Method" Usage="O" Min="0" Max="1" Datatype="ID" Length="2"
Table="0053" ItemNo="00376">
    <Reference>6.5.2.2</Reference>
    </Field>
    <Field Name="Diagnosis Code - DG1" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
Table="0051" ItemNo="00377">
    <Reference>6.5.2.3</Reference>
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</Component>
    <Component Name="text" Usage="O" Datatype="ST" Length="3">
</Component>
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Table="0396">
</Component>
    <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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    </Field>
    <Field Name="Diagnosis Description" Usage="B" Min="0" Max="1" Datatype="ST" Length="40"
ItemNo="00378">
    <Reference>6.5.2.4</Reference>
    </Field>
    <Field Name="Diagnosis Date/Time" Usage="O" Min="0" Max="1" Datatype="TS" Length="26"
ItemNo="00379">

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        <Reference>6.5.2.5</Reference>
        <Component Name="Date/Time" Usage="O" Datatype="NM">
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    <Component Name="degree of precision" Usage="O" Datatype="ST">
    </Component>
    </Field>
    <Field Name="Diagnosis Type" Usage="R" Min="1" Max="1" Datatype="IS" Length="2"
Table="0052" ItemNo="00380">
    <Reference>6.5.2.6</Reference>
    </Field>
    <Field Name="Major Diagnostic Category" Usage="B" Min="1" Max="1" Datatype="CE"
Length="250" Table="0118" ItemNo="00381">
    <Reference>6.5.2.7</Reference>
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    </Component>
    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
    </Component>
    <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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    </Field>
    <Field Name="Diagnostic Related Group" Usage="B" Min="1" Max="1" Datatype="CE"
Length="250" Table="0055" ItemNo="00382">
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Table="0396">
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    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
    </Component>
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Table="0396">
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    </Field>
    <Field Name="DRG Approval Indicator" Usage="B" Min="0" Max="1" Datatype="ID" Length="1"
Table="0136" ItemNo="00383">
    <Reference>6.5.3.3</Reference>
    </Field>
    <Field Name="DRG Grouper Review Code" Usage="B" Min="0" Max="1" Datatype="IS" Length="2"
Table="0056" ItemNo="00384">
    <Reference>6.5.3.4</Reference>
    </Field>
    <Field Name="Outlier Type" Usage="B" Min="1" Max="1" Datatype="CE" Length="250"
Table="0083" ItemNo="00385">
    <Reference>6.5.3.5</Reference>
    <Component Name="identifier" Usage="O" Datatype="ST">
    </Component>
    <Component Name="text" Usage="O" Datatype="ST" Length="3">
    </Component>
    <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
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    <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
    </Component>
    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
    </Component>
    <Component Name="name of alternate coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
    </Component>
    </Field>
    <Field Name="Outlier Days" Usage="B" Min="0" Max="1" Datatype="NM" Length="3"
ItemNo="00386">
    <Reference>6.5.3.6</Reference>
    </Field>
    <Field Name="Outlier Cost" Usage="B" Min="0" Max="1" Datatype="CP" Length="12"
ItemNo="00387">
    <Reference>6.5.15.5</Reference>
    <Component Name="price" Usage="O" Datatype="MO" Length="3">
    <SubComponent Name="quantity" Usage="O" Datatype="NM" Length="3">
    </SubComponent>
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        <SubComponent Name="denomination" Usage="O" Datatype="ID" Length="3">
</SubComponent>
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      <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3">
    </SubComponent>
      <SubComponent Name="universal ID" Usage="O" Datatype="ST" Length="3">
    </SubComponent>
      <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
    </SubComponent>
      </Component>
      <Component Name="name type code" Usage="O" Datatype="ID" Length="3" Table="0200">
    </Component>
      <Component Name="identifier check digit" Usage="O" Datatype="ST" Length="3">
    </Component>
      <Component Name="code identifying the check digit scheme employed" Usage="O"
Datatype="ID" Length="3" Table="0061">
    </Component>
      <Component Name="identifier type code (IS)" Usage="O" Datatype="IS" Length="3">
    </Component>
      <Component Name="assigning facility" Usage="O" Datatype="HD" Length="3">
      <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3"
Table="0363">

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    <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
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</Component>
<Component Name="Name Representation code" Usage="O" Datatype="ID" Length="3"
Table="0465">
</Component>
    <Component Name="name context" Usage="R" Datatype="CE">
        <SubComponent Name="identifier" Usage="O" Datatype="ST">
</SubComponent>
            <SubComponent Name="text" Usage="O" Datatype="ST" Length="3">
</SubComponent>
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Table="0396">
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</SubComponent>
                        <SubComponent Name="alternate text" Usage="O" Datatype="ST" Length="3">
</SubComponent>
                            <SubComponent Name="name of alternate coding system" Usage="O" Datatype="IS"
Length="3" Table="0396">
</SubComponent>
</Component>
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                    <SubComponent Name="range start date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
                        <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
</Component>
                <Component Name="name assembly order" Usage="O" Datatype="ID" Length="3"
Table="0444">
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</Field>
<Field Name="Consent Code" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
Table="0059" ItemNo="00403">
    <Reference>6.5.4.13</Reference>
    <Component Name="identifier" Usage="O" Datatype="ST">
</Component>
        <Component Name="text" Usage="O" Datatype="ST" Length="3">
</Component>
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Table="0396">
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                    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
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Length="3" Table="0396">
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</Field>
<Field Name="Procedure Priority" Usage="O" Min="0" Max="1" Datatype="ID" Length="2"
Table="0418" ItemNo="00404">
    <Reference>6.5.4.14</Reference>
</Field>
<Field Name="Associated Diagnosis Code" Usage="O" Min="1" Max="1" Datatype="CE"
Length="250" Table="0051" ItemNo="00772">
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</Component>
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</Component>
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Table="0396">
</Component>
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</Component>
                    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
</Component>
                        <Component Name="name of alternate coding system" Usage="O" Datatype="IS"
Length="3" Table="0396">
</Component>
</Field>
<Field Name="Procedure Code Modifier" Usage="O" Min="1" Max="1" Datatype="CE"
Length="250" Table="0340" ItemNo="01316">
    <Reference>7.4.1.45</Reference>
    <Component Name="identifier" Usage="O" Datatype="ST">
</Component>
        <Component Name="text" Usage="O" Datatype="ST" Length="3">

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Table="0396">
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    <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
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    <Component Name="name of alternate coding system" Usage="O" Datatype="IS"
Length="3" Table="0396">
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Table="0416" ItemNo="01501">
    <Reference>6.5.4.17</Reference>
    </Field>
    <Field Name="Tissue Type Code" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
Table="0417" ItemNo="01502">
    <Reference>6.5.4.18</Reference>
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</Component>
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</Component>
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Length="3" Table="0396">
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    </Field>
    </Segment>
    <Segment Name="ROL" LongName="Role" Usage="O" Min="0" Max="*">
    <Field Name="Role Instance ID" Usage="C" Min="0" Max="1" Datatype="EI" Length="60"
ItemNo="01206">
    <Reference>12.4.3.1</Reference>
    <Component Name="entity identifier" Usage="O" Datatype="ST" Length="3">
</Component>
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</Component>
    <Component Name="universal ID" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
</Component>
    <Field>
    <Field Name="Action Code" Usage="R" Min="1" Max="1" Datatype="ID" Length="2"
Table="0287" ItemNo="00816">
    <Reference>12.4.4.1</Reference>
    </Field>
    <Field Name="Role-ROL" Usage="R" Min="1" Max="1" Datatype="CE" Length="250"
Table="0443" ItemNo="01197">
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</Component>
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</Component>
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Table="0396">
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</Component>
    <Component Name="name of alternate coding system" Usage="O" Datatype="IS"
Length="3" Table="0396">
</Component>
    <Field>
    <Field Name="Role Person" Usage="R" Min="1" Max="1" Datatype="XCN" Length="250"
ItemNo="01198">
    <Reference>12.4.3.4</Reference>
    <Component Name="ID number (ST)" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="family name" Usage="O" Datatype="FN" Length="3">
    <SubComponent Name="surname" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="own surname prefix" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="own surname" Usage="O" Datatype="ST" Length="3">

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Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="surname from partner/spouse" Usage="O" Datatype="ST"
Length="3">
</SubComponent>
    </Component>
    <Component Name="given name" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="second and further given names or initials thereof" Usage="O"
Datatype="ST" Length="3">
</Component>
    <Component Name="suffix (e.g., JR or III)" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="prefix (e.g., DR)" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="degree (e.g., MD)" Usage="O" Datatype="IS" Length="3"
Table="0360">
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    <Component Name="source table" Usage="O" Datatype="IS" Length="3" Table="0297">
    <Component Name="assigning authority" Usage="O" Datatype="HD" Length="3">
    <SubComponent Name="namespace ID" Usage="O" Datatype="IS" Length="3"
Table="0363">
</SubComponent>
    <SubComponent Name="universal ID" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
Table="0301">
</SubComponent>
    </Component>
    <Component Name="name type code" Usage="O" Datatype="ID" Length="3" Table="0200">
</Component>
    <Component Name="identifier check digit" Usage="O" Datatype="ST" Length="3">
    <Component Name="code identifying the check digit scheme employed" Usage="O"
Datatype="ID" Length="3" Table="0061">
</Component>
    <Component Name="identifier type code (IS)" Usage="O" Datatype="IS" Length="3">
</Component>
    <Component Name="assigning facility" Usage="O" Datatype="HD" Length="3">
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</SubComponent>
    <SubComponent Name="universal ID type" Usage="O" Datatype="ID" Length="3"
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</SubComponent>
    </Component>
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Table="0465">
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    <SubComponent Name="identifier" Usage="O" Datatype="ST">
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Length="3" Table="0396">
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    </Component>
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    <SubComponent Name="range start date/time" Usage="O" Datatype="TS" Length="3">
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    <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
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    </Component>
    <Component Name="name assembly order" Usage="O" Datatype="ID" Length="3"
Table="0444">
</Component>
    </Field>
    <Field Name="Role Begin Date/Time" Usage="O" Min="0" Max="1" Datatype="TS"
Length="26" ItemNo="01199">

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        <Reference>12.4.3.5</Reference>
        <Component Name="Date/Time" Usage="O" Datatype="NM">
    </Component>
    <Component Name="degree of precision" Usage="O" Datatype="ST">
    </Component>
    </Field>
    <Field Name="Role End Date/Time" Usage="O" Min="0" Max="1" Datatype="TS" Length="26"
ItemNo="01200">
        <Reference>12.4.3.6</Reference>
        <Component Name="Date/Time" Usage="O" Datatype="NM">
    </Component>
    <Component Name="degree of precision" Usage="O" Datatype="ST">
    </Component>
    </Field>
    <Field Name="Role Duration" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
ItemNo="01201">
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    <Component Name="text" Usage="O" Datatype="ST" Length="3">
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    <Component Name="name of coding system" Usage="O" Datatype="IS" Length="3"
Table="0396">
    </Component>
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    </Component>
    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
    </Component>
    <Component Name="name of alternate coding system" Usage="O" Datatype="IS"
Length="3" Table="0396">
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    </Field>
    <Field Name="Role Action Reason" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
ItemNo="01205">
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    <Component Name="name of alternate coding system" Usage="O" Datatype="IS"
Length="3" Table="0396">
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    </Field>
    <Field Name="Provider Type" Usage="O" Min="1" Max="1" Datatype="CE" Length="250"
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Table="0396">
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    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
    </Component>
    <Component Name="name of alternate coding system" Usage="O" Datatype="IS"
Length="3" Table="0396">
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    </Field>
    <Field Name="Organization Unit Type - ROL" Usage="O" Min="1" Max="1" Datatype="CE"
Length="250" Table="0406" ItemNo="01461">
        <Reference>12.4.3.10</Reference>
        <Component Name="identifier" Usage="O" Datatype="ST">
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    <Component Name="text" Usage="O" Datatype="ST" Length="3">
    </Component>
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Table="0396">
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    <Component Name="alternate identifier" Usage="O" Datatype="ST" Length="3">
    </Component>
    <Component Name="alternate text" Usage="O" Datatype="ST" Length="3">
    </Component>

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        <Component Name="name of alternate coding system" Usage="O" Datatype="IS"
Length="3" Table="0396">
</Component>
    </Field>
    <Field Name="Office/Home Address" Usage="O" Min="0" Max="*" Datatype="XAD"
Length="250" ItemNo="00679">
    <Reference>15.4.6.11</Reference>
    <Component Name="street address (SAD)" Usage="O" Datatype="SAD" Length="3">
        <SubComponent Name="street or mailing address" Usage="O" Datatype="ST"
Length="3">
</SubComponent>
        <SubComponent Name="street name" Usage="O" Datatype="ST" Length="3">
</SubComponent>
        <SubComponent Name="dwelling number" Usage="O" Datatype="ST" Length="3">
</SubComponent>
    </Component>
    <Component Name="other designation" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="city" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="state or province" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="zip or postal code" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="country" Usage="O" Datatype="ID" Length="3" Table="0399">
</Component>
    <Component Name="address type" Usage="O" Datatype="ID" Length="3" Table="0190">
</Component>
    <Component Name="other geographic designation" Usage="O" Datatype="ST"
Length="3">
</Component>
    <Component Name="county/parish code" Usage="O" Datatype="IS" Length="3"
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</Component>
    <Component Name="census tract" Usage="O" Datatype="IS" Length="3" Table="0288">
</Component>
    <Component Name="address representation code" Usage="O" Datatype="ID" Length="3"
Table="0465">
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    <Component Name="address validity range" Usage="O" Datatype="DR" Length="3">
        <SubComponent Name="range start date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
        <SubComponent Name="range end date/time" Usage="O" Datatype="TS" Length="3">
</SubComponent>
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</Field>
<Field Name="Phone" Usage="O" Min="0" Max="*" Datatype="XTN" Length="250"
ItemNo="00678">
    <Reference>15.4.6.10</Reference>
    <Component Name="[(999)] 999-9999 [X99999][C any text]" Usage="O" Datatype="TN"
Length="3">
</Component>
    <Component Name="telecommunication use code" Usage="O" Datatype="ID" Length="3"
Table="0201">
</Component>
    <Component Name="telecommunication equipment type (ID)" Usage="O" Datatype="ID"
Length="3" Table="0202">
</Component>
    <Component Name="Email address" Usage="O" Datatype="ST" Length="3">
</Component>
    <Component Name="Country Code" Usage="O" Datatype="NM" Length="3">
</Component>
    <Component Name="Area/city code" Usage="O" Datatype="NM" Length="3">
</Component>
    <Component Name="Phone number" Usage="O" Datatype="NM" Length="3">
</Component>
    <Component Name="Extension" Usage="O" Datatype="NM" Length="3">
</Component>
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</Component>
</Field>
</Segment>
</SegGroup>
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</HL7v2xStaticDef>
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