15.

Personnel Management

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15.1 CHAPTER 15 CONTENTS

15.2 PURPOSE

The Personnel Management transactions set provides for the transmission of new or updated administration information about individual healthcare practitioners and supporting staff members. Since many systems (e.g., security, scheduling, orders, etc.), must be able to closely monitor changes in certain information regarding individual healthcare practitioners, the Personnel Management transaction set is used to clearly identify these events. For example, it is important to a Security System to be aware of when a staff member was hired or specific role has been terminated. Prior to Version 2.4, master file updates were the only method to update this information. However, when any of these changes are reported as master file update notifications, it is not obvious which of the data has been changed, and is cumbersome to process efficiently. It should be noted that Personnel Management functions that do not affect healthcare administration (e.g., benefits) are not addressed in this chapter.

Generally, information is entered into a Personnel Management system and passed to other systems requiring individual healthcare practitioner data either in the form of an unsolicited update or a response to a record-oriented query.

This document defines the transactions that occur at the application layer (the seventh level of the ISO-OSI models), that is, the abstract messages. The examples included in this chapter were constructed using the HL7 Encoding Rules, Trigger Events and Messages.

Each trigger event is documented below, along with the applicable form of the message exchange. The notation used to describe the sequence, optionality, and repetition of segments is described in Chapter 2, section 2.12, "Chapter Formats for Defining HL7 Messages."

The trigger events that follow are served by the unsolicited Personnel Management update (PMU) and General Acknowledgment (ACK) response.

The information that is included in any of these trigger event transactions can be more than the minimum necessary to communicate that event. Any of the fields occurring in the segments listed for the message can be used. A few or many fields can be used as agreed upon during implementation. However, please note, that when the contents of a field change for a field that is not necessarily related to the trigger event, it is a matter for implementation negotiation as to whether the receiving systems can capture this changed data.

15.2.1 Usage of Chapter 15 vs. Chapter 8

Chapter 8 deals with master file maintenance.

Chapter 15 manages operational relationships based on trigger events.

15.3 TRIGGER EVENTS AND MESSAGE DESCRIPTIONS

15.3.1 PMU/ACK – Add Personnel Record (Event B01)

An event B01 signals to add a new record for healthcare administration information about an individual healthcare practitioner establishing a relationship between that practitioner and the institution.

The EVN segment is used to indicate the effective or planned date.

PMU^B01^PMU_B01	PMU Message	Status	Chapter
MSH	Message Header		2
[{ SFT }]	Software		2
[UAC]	User Authentication Credential		2
EVN	Event Type		3
STF	Staff		15
[{ PRA }]	Practitioner		15
[{ ORG }]	Organization		15
[{ AFF }]	Affiliation		15
[{ LAN }]	Language		15
[{ EDU }]	Education		15
[{ CER }]	Certificate		15

```
ACK^B01^ACK                     General Acknowledgment              Status   Chapter
MSH                             Message Header                                  2
[ { SFT } ]                     Software                                        2
[ UAC ]                         User Authentication Credential                  2
MSA                             Message Acknowledgment                          2
[ { ERR } ]                     Error                                           2
```

15.3.2   PMU/ACK – Update Personnel Record (Event B02)

An event B02 signals to update the record with the healthcare administration information about an individual healthcare practitioner. This event should not be used to grant/revoke a certificate.

The EVN segment is used to indicate the effective or planned date.

```
PMU^B02^PMU_B01                 PMU Message                        Status   Chapter
MSH                             Message Header                                  2
[ { SFT } ]                     Software                                        2
[ UAC ]                         User Authentication Credential                  2
EVN                             Event Type                                      3
STF                             Staff                                          15
[ { PRA } ]                     Practitioner                                   15
[ { ORG } ]                     Organization                                   15
[ { AFF } ]                     Affiliation                                    15
[ { LAN } ]                     Language                                       15
[ { EDU } ]                     Education                                      15
[ { CER } ]                     Certificate                                    15
```

```
ACK^B02^ACK                     General Acknowledgment              Status   Chapter
MSH                             Message Header                                  2
[ { SFT } ]                     Software                                        2
[ UAC ]                         User Authentication Credential                  2
MSA                             Message Acknowledgment                          2
[ { ERR } ]                     Error                                           2
```

15.3.3   PMU/ACK – Delete Personnel Record (Event B03)

An event B03 signals to delete the record with the healthcare administration information about an individual healthcare practitioner to correct erroneous entries.

The EVN segment is used to indicate the effective or planned date.

```
PMU^B03^PMU_B03                 PMU Message                        Status   Chapter
MSH                             Message Header                                  2
[ { SFT } ]                     Software                                        2
[ UAC ]                         User Authentication Credential                  2
EVN                             Event Type                                      3
STF                             Staff                                          15
```

```
ACK^B03^ACK                     General Acknowledgment              Status   Chapter
MSH                             Message Header                                  2
[ { SFT } ]                     Software                                        2
[ UAC ]                         User Authentication Credential                  2
MSA                             Message Acknowledgment                          2
[ { ERR } ]                     Error                                           2
```

15.3.4   PMU/ACK – Activate Practicing Person (Event B04)

An event B04 signals that a staff member is available for work (e.g., schedules can be created) and has a relationship with the institution. This message applies to STF-7.

PMU^B04^PMU_B04	**PMU Message**	**Status**	**Chapter**
MSH	Message Header		2
[{ SFT }]	Software		2
[UAC]	User Authentication Credential		2
EVN	Event Type		3
STF	Staff		15
[{ PRA }]	Practitioner		15
[{ ORG }]	Organization		15

ACK^B04^ACK	**General Acknowledgment**	**Status**	**Chapter**
MSH	Message Header		2
[{ SFT }]	Software		2
[UAC]	User Authentication Credential		2
MSA	Message Acknowledgment		2
[{ ERR }]	Error		2

15.3.5   PMU/ACK – Deactivate Practicing Person (Event B05)

An event B05 indicates that a staff member is temporarily unavailable for work, while maintaining a relationship with the institution. This message applies to STF-7.

PMU^B05^PMU_B04	**PMU Message**	**Status**	**Chapter**
MSH	Message Header		2
[{ SFT }]	Software		2
[UAC]	User Authentication Credential		2
EVN	Event Type		3
STF	Staff		15
[{ PRA }]	Practitioner		15
[{ ORG }]	Organization		15

ACK^B05^ACK	**General Acknowledgment**	**Status**	**Chapter**
MSH	Message Header		2
[{ SFT }]	Software		2
[UAC]	User Authentication Credential		2
MSA	Message Acknowledgment		2
[{ ERR }]	Error		2

15.3.6   PMU/ACK – Terminate Practicing Person (Event B06)

An event B06 signals that the formal relationship between a staff member and the institution has ended (i.e., upon termination).

PMU^B06^PMU_B04	**PMU Message**	**Status**	**Chapter**
MSH	Message Header		2
[{ SFT }]	Software		2
[UAC]	User Authentication Credential		2
EVN	Event Type		3
STF	Staff		15
[{ PRA }]	Practitioner		15
[{ ORG }]	Organization		15

```
ACK^B06^ACK                    General Acknowledgment                    Status    Chapter
MSH                            Message Header                                      2
[ { SFT } ]                    Software                                            2
[ UAC ]                        User Authentication Credential                      2
MSA                            Message Acknowledgment                              2
[ { ERR } ]                    Error                                               2
```

15.3.7   QBP/RSP – Query Information (Event Q25/K25)

The following trigger event is served by the following Conformance Statement: Another application determines a need for Personnel data about a person and sends a query to a system providing this information.

Conformance Statement ID:	Q25
Query Table Type:	Query
Query Name:	Personnel Information by Segment
Query Trigger:	QBP^Q25^QBP_Q21
Query Mode:	Both
Response Trigger:	RSP^K25^RSP_K25
Query Characteristics	Returns response sorted by STF-3-Staff Name
Purpose:	Retrieve all available personnel information based upon the values of one or more commonly used search parameters
Response Characteristics:	Returns response sorted by StaffName unless otherwise specified.
Based on Segment Pattern:	PMU_B01

```
QBP^Q25^QBP_Q21                Personnel Information Message             Status    Chapter
                               see                                                3.3.56
```

Fld. Seq.	ColName	Key/ Search	Sort	LEN	TYPE	Opt	Rep	Match Op	TBL	Segment Field Name	LOINC or HL7 code/ Domain	Element Name
1	StaffIDCode	S	Y	60	CX	O		=		STF.2		STF-2: Staff ID Code
2	StaffName	S	Y	48	XPN	O		=		STF.3		STF-3: Staff Name
3	PractitionerCategory	S	Y	3	IS	O	Y	in	0186	PRA.3		PRA-3: Practitioner Category
4	Language	S	Y	60	CWE	O	Y	in	0296	LAN.2		LAN-2: Language
5	LanguageAbility		Y	60	CWE	C	Y	in	0403	LAN.3		LAN-3: Language Ability
6	LanguageProficiency		Y	60	CWE	C	Y	in	0404	LAN.4		LAN-4: Language Proficiency

Input Parameter	Comp Name	DT	Description
StaffIDCode		CX	Components: <ID (ST)> ^ <check digit (ST)> ^ <code identifying the check digit scheme employed (ID)> ^ <assigning authority (HD)> ^ <identifier type code (IS)> ^ <assigning facility (HD)>

Input Parameter	Comp Name	DT	Description
			This field contains a personnel identification code or institution user number, used by the institution to identify the requested person.
			If this field is not valued, all values for this field are considered to be a match.
			The following components may be specified:
	ID		If this field, STF.2.1, is not valued, all values for this field are considered to be a match.
	Assigning Authority		If this field, STF.2.4, is not valued, all values for this field are considered to be a match.
	Identifier type code		If this field, STF.2.5, is not valued, all values for this field are considered to be a match.
StaffName		XPN	If this field is not valued, all values for this field are considered to be a match.
PractitionerCategory		IS	If this field is not valued, all values for this field are considered to be a match. If this field contains multiple values, the Server will record a match for any of the match values specified.
Language		CWE	If this field is not valued, all values for this field are considered to be a match. If this field contains multiple values, the Server will record a match for any of the match values specified.
LanguageAbility		CWE	The Server will evaluate this field only if the Language field is specified; otherwise, this field will be ignored. If this field is not valued, all values for this field are considered to be a match. If this field contains multiple values, the Server will record a match for any of the match values specified.
LanguageProficiency		CWE	The Server will evaluate this field only if the Language field is specified; otherwise, this field will be ignored. If this field is not valued, all values for this field are considered to be a match. If this field contains multiple values, the Server will record a match for any of the match values specified.

```
RSP^K25^RSP_K25             Personnel Information Message         Status    Chapter
MSH                         Message Header                                  2.16.9
[ { SFT } ]                 Software                                        2
[ UAC ]                     User Authentication Credential                  2
MSA                         Message Acknowledgement                         2.16.8
[ {ERR } ]                  Error                                           2.16.5
QAK                         Query Acknowledgement                           5.5.2
QPD                         Query Parameter Definition                      5.5.4
RCP                         Response Control Parameter                      5.5.6
{                           --- STAFF begin
  STF                       Staff                                           15.4.6
  [ { PRA } ]               Practitioner                                    15.4.5
  [ { ORG } ]               Organization                                    15.4.4
  [ { AFF } ]               Affiliation                                     15.4.1
  [ { LAN } ]               Language                                        15.4.3
  [ { EDU } ]               Education                                       15.4.2
  [ { CER } ]               Certificate                                     15
}                           --- STAFF end
[ DSC ]                     Continuation Pointer                            2.16.4
```

15.3.8   PMU/ACK – Grant Certificate/Permission (Event B07)

An event B07 indicates that a health professional is granted a certificate/permission for a special purpose.

A permission is issued by an organization and documented in form of a certificate. An update of a role results in an issuing of a new certificate.

The EVN segment is used to indicate the effective or planned date.

```
PMU^B07^PMU_B07             PMU Message                           Status    Chapter
MSH                         Message Header                                  2
```

```
PMU^B07^PMU_B07              PMU Message                      Status   Chapter
[ { SFT } ]                 Software                                      2
[ UAC ]                     User Authentication Credential                2
EVN                         Event Type                                    2
STF                         Staff                                        15
[ PRA ]                     Practitioner                                 15
[                           --- CERTIFICATE begin
 {
   CER                      Certificate                                  15
   [ { ROL } ]              Role                                         15
 }
]                           --- CERTIFICATE end


ACK^B07^ACK                 General Acknowledgment            Status   Chapter
MSH                         Message Header                                2
[ { SFT } ]                 Software
[ UAC ]                     User Authentication Credential                2
MSA                         Message Acknowledgment                        2
[ { ERR } ]                 Error                                         2
```

15.3.9   PMU/ACK – Revoke Certificate/Permission (Event B08)

An event B08 indicates that a certificate/permission for a health professional is revoked.

The EVN segment is used to indicate the effective or planned date.

```
PMU^B08^PMU_B08              PMU Message                      Status   Chapter
MSH                         Message Header                                2
[ { SFT } ]                 Software                                      2
[ UAC ]                     User Authentication Credential                2
EVN                         Event Type                                    2
STF                         Staff                                        15
[ PRA ]                     Practitioner                                 15
[ { CER } ]                 Certificate                                  15


ACK^B08^ACK                 General Acknowledgment            Status   Chapter
MSH                         Message Header                                2
[ { SFT } ]                 Software                                      2
[ UAC ]                     User Authentication Credential                2
MSA                         Message Acknowledgment                        2
[ { ERR } ]                 Error                                         2
```

15.4   MESSAGE SEGMENTS

The following segments are defined for the Personnel Management messages.

15.4.1   AFF - Professional Affiliation Segment

The AFF segment adds detailed information regarding professional affiliations with which the staff member identified by the STF segment is/was associated.

HL7 Attribute Table – AFF – Professional Affiliation

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM#	ELEMENT NAME
1	60	SI	R			01427	Set ID – AFF

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM#	ELEMENT NAME
2	250	XON	R			01444	Professional Organization
3	250	XAD	O			01445	Professional Organization Address
4	52	DR	O	Y		01446	Professional Organization Affiliation Date Range
5	60	ST	O			01447	Professional Affiliation Additional Information

15.4.1.0   AFF Field Definitions

15.4.1.1   AFF-1   Set ID - AFF   (SI)   01427

Definition: This field contains the number that identifies this transaction. For the first occurrence of the segment, the sequence number shall be one; for the second occurrence, the sequence number shall be two; etc.

15.4.1.2   AFF-2   Professional Organization   (XON)   01444

```
Components: <Organization Name (ST)> ^ <Organization Name Type Code (IS)> ^ <DEPRECATED-ID Number (NM)> ^
            <Identifier Check Digit (NM)> ^ <Check Digit Scheme  (ID)> ^ <Assigning Authority (HD)> ^
            <Identifier Type Code (ID)> ^ <Assigning Facility (HD)> ^ <Name Representation Code (ID)> ^
            <Organization Identifier (ST)>

Subcomponents for Assigning Authority (HD):  <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type
            (ID)>

Subcomponents for Assigning Facility (HD):  <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type
            (ID)>
```

Definition: This field contains the official name of the association promoting specific professional interests with which the staff member is affiliated.

15.4.1.3   AFF-3   Professional Organization Address   (XAD)   01445

```
Components: <Street Address (SAD)> ^ <Other Designation (ST)> ^ <City (ST)> ^ <State or Province (ST)> ^ <Zip
            or Postal Code (ST)> ^ <Country (ID)> ^ <Address Type (ID)> ^ <Other Geographic Designation (ST)>
            ^ <County/Parish Code (IS)> ^ <Census Tract (IS)> ^ <Address Representation Code (ID)> ^
            <DEPRECATED-Address Validity Range (DR)> ^ <Effective Date (DTM)> ^ <Expiration Date (DTM)> ^
            <Expiration Reason (CWE)> ^ <Temporary Indicator (ID)> ^ <Bad Address Indicator (ID)> ^ <Address
            Usage (ID)> ^ <Addressee (ST)> ^ <Comment (ST)> ^ <Preference Order (NM)> ^ <Protection Code
            (CWE)> ^ <Address Identifier (EI)>

Subcomponents for Street Address (SAD):  <Street or Mailing Address (ST)> & <Street Name (ST)> & <Dwelling
            Number (ST)>

Subcomponents for Address Validity Range (DR):  <Range Start Date/Time (DTM)> & <Range End Date/Time (DTM)>

Subcomponents for Expiration Reason (CWE):  <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> &
            <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> &
            <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Protection Code (CWE):  <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> &
            <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> &
            <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Address Identifier (EI): <Entity Identifier (ST)> & <Namespace ID (IS)> & <Universal ID
            (ST)> & <Universal ID Type (ID)>
```

Definition: This field contains the postal address of the professional organization with which the Staff Member is associated.

15.4.1.4   AFF-4   Professional Organization Affiliation Date Range   (DR)   01446

```
Components: <Range Start Date/Time (DTM)> ^ <Range End Date/Time (DTM)>
```

Definition: This field contains the period the staff member started and ended membership in the professional organization.

15.4.1.5   AFF-5   Professional Affiliation Additional Information   (ST)   01447

Definition: This field contains miscellaneous additional information related to the staff member's membership in the professional organization.

15.4.2   CER - Certificate Detail Segment

The CER segment adds detailed information regarding the formal authorizations to provide a service (e.g. licenses, certificates) held by the health professional identified by the STF segment.

HL7 Attribute Table – CER – Certificate Detail

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM #	ELEMENT NAME
1	4	SI	R			01856	Set ID – CER
2	80	ST	O			01857	Serial Number
3	80	ST	O			01858	Version
4	250	XON	O			01859	Granting Authority
5	250	XCN	O			01860	Issuing Authority
6	65536	ED	O			01861	Signature of Issuing Authority
7	3	ID	O		0399	01862	Granting Country
8	250	CWE	O		0347	01863	Granting State/Province
9	250	CWE	O		0289	01864	Granting County/Parish
10	250	CWE	O			01865	Certificate Type
11	250	CWE	O			01866	Certificate Domain
12	250	ID	C			01867	Subject ID
13	250	ST	R			01907	Subject Name
14	250	CWE	O	Y		01868	Subject Directory Attribute Extension
15	250	CWE	O			01869	Subject Public Key Info
16	250	CWE	O			01870	Authority Key Identifier
17	250	ID	O		0136	01871	Basic Constraint
18	250	CWE	O	Y		01872	CRL Distribution Point
19	3	ID	O		0399	01875	Jurisdiction Country
20	250	CWE	O		0347	01873	Jurisdiction State/Province
21	250	CWE	O		0289	01874	Jurisdiction County/Parish
22	250	CWE	O	Y	0547	01895	Jurisdiction Breadth
23	24	DTM	O			01876	Granting Date
24	24	DTM	O			01877	Issuing Date
25	24	DTM	O			01878	Activation Date
26	24	DTM	O			01879	Inactivation Date
27	24	DTM	O			01880	Expiration Date
28	24	DTM	O			01881	Renewal Date
29	24	DTM	O			01882	Revocation Date
30	250	CWE	O			01883	Revocation Reason Code
31	250	CWE	O		0536	01884	Certificate Status Code

15.4.2.0   CER - Field Definitions

15.4.2.1   CER-1   Set ID - CER   (SI)   01856

Definition: This field contains the number that identifies this transaction. For the first occurrence of the segment, the sequence number shall be one; for the second occurrence, the sequence number shall be two; etc.

15.4.2.2   CER-2   Serial Number   (ST)   01857

Definition: The serial number uniquely identifies the attribute certificate within the scope of its issuer. This field contains the number and/or characters that identify the certificate held by the health professional.

An attribute certificate is a data structure which certifies (either digitally or manually) that one or more attributes (e.g., descriptors, capabilities, qualifications, etc.) are associated with a particular entity as verified/certified by the attribute authority (e.g., Credentialing Organization (US), Physician Chamber "Ärztekammer" (D), Physicians Statutory Association "Kassenärztliche Vereinigung" (D)).

15.4.2.3   CER-3   Version   (ST)   01858

Definition: The version number differentiates among different versions of the attribute certificate.

15.4.2.4   CER-4   Granting Authority   (XON)   01859

```
Components:  <Organization Name (ST)> ^ <Organization Name Type Code (IS)> ^ <DEPRECATED-ID Number (NM)> ^
             <Identifier Check Digit (NM)> ^ <Check Digit Scheme  (ID)> ^ <Assigning Authority (HD)> ^
             <Identifier Type Code (ID)> ^ <Assigning Facility (HD)> ^ <Name Representation Code (ID)> ^
             <Organization Identifier (ST)>

Subcomponents for Assigning Authority (HD):  <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type
             (ID)>

Subcomponents for Assigning Facility (HD):  <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type
             (ID)>
```

Definition: It specifies the authority that granted the certificate to the person.

15.4.2.5   CER-5   Issuing Authority   (XCN)   01860

```
Components:  <ID Number (ST)> ^ <Family Name (FN)> ^ <Given Name (ST)> ^ <Second and Further Given Names or
             Initials Thereof (ST)> ^ <Suffix (e.g., JR or III) (ST)> ^ <Prefix (e.g., DR) (ST)> ^ <DEPRECATED-
             Degree (e.g., MD) (IS)> ^ <Source Table (IS)> ^ <Assigning Authority (HD)> ^ <Name Type Code (ID)>
             ^ <Identifier Check Digit (ST)> ^ <Check Digit Scheme (ID)> ^ <Identifier Type Code (ID)> ^
             <Assigning Facility (HD)> ^ <Name Representation Code (ID)> ^ <Name Context (CWE)> ^ <DEPRECATED-
             Name Validity Range (DR)> ^ <Name Assembly Order (ID)> ^ <Effective Date (DTM)> ^ <Expiration Date
             (DTM)> ^ <Professional Suffix (ST)> ^ <Assigning Jurisdiction (CWE)> ^ <Assigning Agency or
             Department (CWE)>

Subcomponents for Family Name (FN):  <Surname (ST)> & <Own Surname Prefix (ST)> & <Own Surname (ST)> & <Surname
             Prefix from Partner/Spouse (ST)> & <Surname from Partner/Spouse (ST)>

Subcomponents for Assigning Authority (HD):  <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type
             (ID)>

Subcomponents for Assigning Facility (HD):  <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type
             (ID)>

Subcomponents for Name Context (CWE):  <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> &
             <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> &
             <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Name Validity Range (DR):  <Range Start Date/Time (DTM)> & <Range End Date/Time (DTM)>

Subcomponents for Assigning Jurisdiction (CWE):  <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)>
             & <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> &
             <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Assigning Agency or Department (CWE):  <Identifier (ST)> & <Text (ST)> & <Name of Coding
             System (ID)> & <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding
             System (ID)> & <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> &
             <Original Text (ST)>
```

Definition: Specifies the authority that issued the certificate to the person.

15.4.2.6   CER-6   Signature of Issuing Authority   (ED)   01861

```
Components:  <Source Application (HD)> ^ <Type of Data (ID)> ^ <Data Subtype (ID)> ^ <Encoding (ID)> ^ <Data
             (TX)>

Subcomponents for Source Application (HD):  <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type
             (ID)>
```

Definition: Digital Signature of the certifying authority. The Digital Signature includes a seal concept and is verifiable.

15.4.2.7   CER-7   Granting Country   (ID)   01862

Definition: ID of the country granting the certificate. Refer to *HL7 Table 0399 – Country Code* for valid values.

15.4.2.8   CER-8   Granting State/Province   (CWE)   01863

```
Components:   <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: State/province granting the certificate. Refer to *HL7 Table 0347 – State/Province* for valid values (in Chapter 2)

15.4.2.9   CER-9   Granting County/Parish   (CWE)   01864

```
Components:   <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: County/parish granting the certificate. Refer to *HL7 Table 0289 – County/Parish* for valid values (in Chapter 2).

15.4.2.10   CER-10   Certificate Type   (CWE)   01865

```
Components:   <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field specifies the certificate's classification, e.g., being a privilege, permission, or qualification certificate.

15.4.2.11   CER-11   Certificate Domain   (CWE)   01866

```
Components:   <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field specifies the subject area to which the certificate is applicable, e.g., administrative, medical, or nursing issues.

15.4.2.12   CER-12   Subject ID   (ID)   01867

Definition: This field expresses the identifier of the certificate's subject as used by the certifying body. (The subject is the owner of the certificate, e.g., person, organization, device, application, component.) If the certificate is expressed as a X.509 document this field is required.

15.4.2.13   CER-13   Subject Name   (ST)   01907

Definition: This field defines the name of the subject of the certificate as used by the certifying body.

15.4.2.14   CER-14   Subject Directory Attribute Extension   (CWE)   01868

```
Components:   <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: In individual identity certificates, this Subject Directory Attribute extension MAY contain a Healthcare Professional Role attribute and may contain a Qualified Certificate Statement attribute. In addition, Subject Directory Attributes MAY contain other attributes not specified by this technical specification.

15.4.2.15   CER-15   Subject Public Key Info   (CWE)   01869

```
Components:   <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the algorithm identifier. Referred to this field, the X.509 extension field MAY contain a Subject Public Key Identifier to identify the public key used in the Subject Public Key Info.

X.509 is an ISO standard specifying certificates.

15.4.2.16   CER-16   Authority Key Identifier   (CWE)   01870

```
Components:   <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: The Authority Key Identifier extension SHALL identify the public key to be used to verify the signature of the certificate. It enables distinct keys, used by one CA, to be distinguished (e.g., as key updating occurs).

15.4.2.17 CER-17 Basic Constraint (ID) 01871

Definition: The Basic Constraints extension contains a boolean used to specify whether or not the subject can act as a CA (certificate authority), using the certified key to sign certificates.

15.4.2.18 CER-18 CRL Distribution Point (CWE) 01872

```
Components:   <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: The Certificate Revocation List (CRL) Distribution Point extension SHALL identify the location of the associated CRL (or Authority Revocation List (ARL) for attribute certificates) in the PKI directory.

15.4.2.19 CER-19 Jurisdiction Country (ID) 01875

Definition: This field contains the country for which the qualification is valid. Refer to *HL7 Table 0399 – Country Code* for valid values.

15.4.2.20 CER-20 Jurisdiction State/Province (CWE) 01873

```
Components:   <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the state for which the qualification is valid. HL7 suggests using values in *User-defined Table 0347 – State/Province*.

User-defined Table 0347 – State/Province

Value	Description	Comment
	see chapter 2B	

15.4.2.21 CER-21 Jurisdiction County/Parish (CWE) 01874

```
Components:   <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the county/parish for which the qualification is valid. HL7 suggests using values in *User-defined Table 0289 – County/Parish*.

User-defined Table 0289 – County/Parish

Value	Description	Comment
	See Chapter 3, section 3.4.2.13	

15.4.2.22 CER-22 Jurisdiction Breadth (CWE) 01895

```
Components:   <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the breadth/extent of the jurisdiction where the qualification is valid. HL7 suggests using values in *User-defined Table 0547 – Jurisdictional Breadth*.

User-defined Table 0547 – Jurisdictional Breadth

Value	Description	Comment
C	County/Parish	
S	State/Province	
N	Country	

15.4.2.23 CER-23 Granting Date (DTM) 01876

Definition: This field contains the date when the certificate was granted.

15.4.2.24 CER-24 Issuing Date (DTM) 01877

Definition: This field contains the date/time when the certificate was issued.

15.4.2.25 CER-25 Activation Date (DTM) 01878

Definition: This field contains the date/time when the certificate became or will become active.

15.4.2.26 CER-26 Inactivation Date (DTM) 01879

Definition: This field contains the date/time when the certificate became or will become inactive.

15.4.2.27 CER-27 Expiration Date (DTM) 01880

Definition: This field contains the date/time when the certificate expires or will expire.

15.4.2.28 CER-28 Renewal Date (DTM) 01881

Definition: This field contains the date/time when the certificate must/will/ be / has been renewed.

15.4.2.29 CER-29 Revocation date (DTM) 01882

Definition: This field contains the date/time when the certificate has been revoked.

15.4.2.30 CER-30 Revocation Reason Code (CWE) 01883

```
Components:  <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
             <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
             <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the reason for revoking the certificate (e.g., having been compromised, changes of conditions/environment, etc.)

15.4.2.31 CER-31 Certificate Status Code (CWE) 01884

```
Components:  <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
             <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
             <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the state of the certificate held by the health professional. HL7 suggest using values in *User-defined table 0536 – Certificate Status.*

User-defined Table 0536 – Certificate Status

Value	Description	Comment
P	Provisional	
R	Revoked	
V	Active/Valid	
E	Expired	
I	Inactive	

15.4.3 EDU - Educational Detail Segment

The EDU segment adds detailed educational information to the staff member identified by the STF segment. An EDU segment may optionally follow an STF segment. An EDU segment must always have been preceded by a corresponding STF segment.

HL7 Attribute Table – EDU – Educational Detail

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM#	ELEMENT NAME
1	60	SI	R			01448	Set ID – EDU
2	10	IS	O		0360	01449	Academic Degree
3	52	DR	O			01597	Academic Degree Program Date Range
4	52	DR	O			01450	Academic Degree Program Participation Date Range
5	8	DT	O			01451	Academic Degree Granted Date
6	250	XON	O			01452	School
7	250	CWE	O		0402	01453	School Type Code

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM#	ELEMENT NAME
8	250	XAD	O			01454	School Address
9	250	CWE	O	Y		01885	Major Field of Study

15.4.3.0   EDU Field Definitions

15.4.3.1   EDU-1   Set ID - EDU   (SI)   01448

Definition: This field contains the number that identifies this transaction. For the first occurrence of the segment, the sequence number shall be one; for the second occurrence, the sequence number shall be two; etc.

15.4.3.2   EDU-2   Academic Degree   (IS)   01449

Definition: This field contains the standard classification awarded upon completion of a unified program of study. HL7 suggests using values in *User-defined Table 0360 - Degree*.

15.4.3.3   EDU-3   Academic Degree Program Date Range   (DR)   01597

```
Components:  <Range Start Date/Time (DTM)> ^ <Range End Date/Time (DTM)>
```

Definition: This field contains the date range when the academic degree program took place.

15.4.3.4   EDU-4   Academic Degree Program Participation Date Range   (DR)   01450

```
Components:  <Range Start Date/Time (DTM)> ^ <Range End Date/Time (DTM)>
```

Definition: This field contains the date range during which the staff member participated in the academic degree program.

15.4.3.5   EDU-5   Academic Degree Granted Date (DT)   01451

Definition: This field contains the date the academic degree was granted to the staff member.

15.4.3.6   EDU-6   School   (XON)   01452

```
Components: <Organization Name (ST)> ^ <Organization Name Type Code (IS)> ^ <DEPRECATED-ID Number (NM)> ^
            <Identifier Check Digit (NM)> ^ <Check Digit Scheme  (ID)> ^ <Assigning Authority (HD)> ^
            <Identifier Type Code (ID)> ^ <Assigning Facility (HD)> ^ <Name Representation Code (ID)> ^
            <Organization Identifier (ST)>

Subcomponents for Assigning Authority (HD):  <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type
            (ID)>

Subcomponents for Assigning Facility (HD):  <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type
            (ID)>
```

Definition: This field contains the official name of the academic institution that granted the degree to the Staff Member.

15.4.3.7   EDU-7   School Type Code   (CWE)   01453

```
Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
            <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
            <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the categorization of the academic institution that granted the degree to the Staff Member. HL7 suggests using values in *User-defined Table 0402 - School type*.

User-defined Table 0402 - School type

Value	Description	Comment
D	Dental	
G	Graduate	
M	Medical	
U	Undergraduate	

15.4.3.8   EDU-8   School Address   (XAD)   01454

Components: \<Street Address (SAD)> ^ \<Other Designation (ST)> ^ \<City (ST)> ^ \<State or Province (ST)> ^ \<Zip or Postal Code (ST)> ^ \<Country (ID)> ^ \<Address Type (ID)> ^ \<Other Geographic Designation (ST)> ^ \<County/Parish Code (IS)> ^ \<Census Tract (IS)> ^ \<Address Representation Code (ID)> ^ \<DEPRECATED-Address Validity Range (DR)> ^ \<Effective Date (DTM)> ^ \<Expiration Date (DTM)> ^ \<Expiration Reason (CWE)> ^ \<Temporary Indicator (ID)> ^ \<Bad Address Indicator (ID)> ^ \<Address Usage (ID)> ^ \<Addressee (ST)> ^ \<Comment (ST)> ^ \<Preference Order (NM)> ^ \<Protection Code (CWE)> ^ \<Address Identifier (EI)>

Subcomponents for Street Address (SAD): \<Street or Mailing Address (ST)> & \<Street Name (ST)> & \<Dwelling Number (ST)>

Subcomponents for Address Validity Range (DR): \<Range Start Date/Time (DTM)> & \<Range End Date/Time (DTM)>

Subcomponents for Expiration Reason (CWE): \<Identifier (ST)> & \<Text (ST)> & \<Name of Coding System (ID)> & \<Alternate Identifier (ST)> & \<Alternate Text (ST)> & \<Name of Alternate Coding System (ID)> & \<Coding System Version ID (ST)> & \<Alternate Coding System Version ID (ST)> & \<Original Text (ST)>

Subcomponents for Protection Code (CWE): \<Identifier (ST)> & \<Text (ST)> & \<Name of Coding System (ID)> & \<Alternate Identifier (ST)> & \<Alternate Text (ST)> & \<Name of Alternate Coding System (ID)> & \<Coding System Version ID (ST)> & \<Alternate Coding System Version ID (ST)> & \<Original Text (ST)>

Subcomponents for Address Identifier (EI): \<Entity Identifier (ST)> & \<Namespace ID (IS)> & \<Universal ID (ST)> & \<Universal ID Type (ID)>

Definition: This field contains the postal address of the academic institution that granted the degree to the Staff Member.

15.4.3.9   EDU-9   Major Field of Study   (CWE)   01885

Components: \<Identifier (ST)> ^ \<Text (ST)> ^ \<Name of Coding System (ID)> ^ \<Alternate Identifier (ST)> ^ \<Alternate Text (ST)> ^ \<Name of Alternate Coding System (ID)> ^ \<Coding System Version ID (ST)> ^ \<Alternate Coding System Version ID (ST)> ^ \<Original Text (ST)>

Definition: This field contains the subject of academic study associated with the specific academic degree program pursued by the staff member as his/her area of specialization.

15.4.4   LAN - Language Detail Segment

The LAN segment adds detailed language information to the staff member identified by the STF segment. An LAN segment may optionally follow an STF segment. An LAN segment must always have been preceded by a corresponding STF segment.

HL7 Attribute Table – LAN – Language Detail

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM#	ELEMENT NAME
1	60	SI	R			01455	Set ID – LAN
2	250	CWE	R		0296	01456	Language Code
3	250	CWE	O	Y	0403	01457	Language Ability Code
4	250	CWE	O		0404	01458	Language Proficiency Code

15.4.4.0   LAN Field Definitions

15.4.4.1   LAN-1   Set ID - LAN   (SI)   01455

Definition: This field contains the number that identifies this transaction. For the first occurrence of the segment, the sequence number shall be one; for the second occurrence, the sequence number shall be two; etc.

15.4.4.2   LAN-2   Language Code   (CWE)   01456

Components: \<Identifier (ST)> ^ \<Text (ST)> ^ \<Name of Coding System (ID)> ^ \<Alternate Identifier (ST)> ^ \<Alternate Text (ST)> ^ \<Name of Alternate Coding System (ID)> ^ \<Coding System Version ID (ST)> ^ \<Alternate Coding System Version ID (ST)> ^ \<Original Text (ST)>

Definition: This field contains the language about which the Staff Member's has some knowledge. HL7 recommends using ISO table 639 as the suggested values in *User-defined Table 0296 - Language*.

15.4.4.3   LAN-3   Language Ability Code   (CWE)   01457

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
            <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
            <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: This field contains the ability the Staff Member possesses with respect to the language. HL7 recommends using values in *HL7 Table 0403 - Language ability*.

HL7 Table 0403 – Language Ability

Value	Description	Comment
1	Read	
2	Write	
3	Speak	
4	Understand	
5	Sign	

15.4.4.4   LAN-4   Language Proficiency Code   (CWE)   01458

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
            <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
            <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: This field contains the level of knowledge the Staff Member possesses with respect to the language ability. HL7 suggests using values in *HL7 Table 0404 - Language proficiency*.

HL7 Table 0404 - Language Proficiency

Value	Description	Comment
1	Excellent	
2	Good	
3	Fair	
4	Poor	
5	Some (level unknown)	
6	None	

15.4.5   ORG - Practitioner Organization Unit Segment

The ORG segment relates a practitioner to an organization unit and adds detailed information regarding the practitioner's practicing specialty in that organization unit. An ORG segment may optionally follow an STF segment. An ORG segment must always have been preceded by a corresponding STF segment. If no organization unit is specified, this segment is used to relate practitioners with their practicing specialties, including effective and end dates. When it is not necessary to record organization unit or dates associated with the practicing specialty, this data is recorded in PRA-3-Practitioner Category.

HL7 Attribute Table – ORG – Practitioner Organization Unit s

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM#	ELEMENT NAME
1	60	SI	R			01459	Set ID – ORG
2	250	CWE	O		0405	01460	Organization Unit Code
3	250	CWE	O		0474	01625	Organization Unit Type Code
4	1	ID	O		0136	01462	Primary Org Unit Indicator
5	60	CX	O			01463	Practitioner Org Unit Identifier
6	250	CWE	O		0452	01464	Health Care Provider Type Code
7	250	CWE	O		0453	01614	Health Care Provider Classification Code
8	250	CWE	O		0454	01615	Health Care Provider Area of Specialization Code
9	52	DR	O			01465	Effective Date Range
10	250	CWE	O		0066	01276	Employment Status Code
11	1	ID	O		0136	01467	Board Approval Indicator

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM#	ELEMENT NAME
12	1	ID	O		0136	01468	Primary Care Physician Indicator

15.4.5.0   ORG Field Definitions

15.4.5.1   ORG-1   Set ID - ORG   (SI)   01459

Definition: This field contains the number that identifies this transaction. For the first occurrence of the segment, the sequence number shall be one; for the second occurrence, the sequence number shall be two; etc.

15.4.5.2   ORG-2   Organization Unit Code   (CWE)   01460

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^ <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^ <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: This field contains the hierarchical components of the organization unit, as defined by the institution. Refer to *User-defined Table 0405 - Organization unit* for suggested values.

User-defined Table 0405 – Organization Unit

Value	Description	Comment
	No suggested values defined	

15.4.5.3   ORG-3   Organization Unit Type Code   (CWE)   01625

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^ <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^ <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: This field contains a code indicating the classification of the organization unit. HL7 suggests using values in *User-defined Table 0474 - Organization unit type*.

User-defined Table 0474 - Organization Unit Type

Value	Description	Comment
D	Department	
F	Facility	
U	Subdepartment	
S	Subdivision	
V	Division	

15.4.5.4   ORG-4   Primary Org Unit Indicator   (ID)   01462

Definition: This field contains an indicator for whether this organization unit is the primary organization unit for this practitioner. Refer to *HL7 Table 0136 - Yes/no indicator* for valid values.

Y   this is the primary organization unit

N   this is not the primary organization unit

15.4.5.5   ORG-5   Practitioner Org Unit Identifier   (CX)   01463

Components: <ID Number (ST)> ^ <Identifier Check Digit (ST)> ^ <Check Digit Scheme (ID)> ^ <Assigning Authority (HD)> ^ <Identifier Type Code (ID)> ^ <Assigning Facility (HD)> ^ <Effective Date (DT)> ^ <Expiration Date (DT)> ^ <Assigning Jurisdiction (CWE)> ^ <Assigning Agency or Department (CWE)>

Subcomponents for Assigning Authority (HD): <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type (ID)>

Subcomponents for Assigning Facility (HD): <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type (ID)>

Subcomponents for Assigning Jurisdiction (CWE): <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> & <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> & <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Assigning Agency or Department (CWE): <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> & <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> & <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Definition: This field contains an identification code used by the institution to identify this person at this specific organization unit. If the person is identified with the same code at all organization units, then this data should be coded in STF-2-staff ID codes.

15.4.5.6   ORG-6   Health Care Provider Type Code   (CWE)   01464

```
Components:  <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
             <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
             <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the major grouping of the service or occupation of the practitioner at a specific organization unit, for example, Behavioral Health & Social Service. HL7 suggests using values derived from the ANSI ASC X12 Health Care Provider Taxonomy, Level 1 - Type.

HL7 Table 0452 - Health care provider type code

Value	Description	Comment
SUGGESTION	ANSI ASC X12 Health Care Provider Taxonomy, Level 1 - Type	

15.4.5.7   ORG-7   Health Care Provider Classification Code   (CWE)   01614

```
Components:  <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
             <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
             <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the more specific service or occupation within the health care provider type of the practitioner at a specific organization unit, for example, Counselor. HL7 suggests using values derived from the ANSI ASC X12 Health Care Provider Taxonomy, Level 2 – Classification.

HL7 Table 0453 - Health care provider classification

Value	Description	Comment
SUGGESTION	ANSI ASC X12 Health Care Provider Taxonomy, Level 2 - Classification	

15.4.5.8   ORG-8   Health Care Provider Area of Specialization Code   (CWE)   01615

```
Components:  <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
             <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
             <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the segment of the population that a health care provider chooses to service, a specific medical service, a specialization in treating a specific disease, or any other descriptive characteristic about the provider's practice relating to the services rendered of the practitioner at a specific organization unit, for example, Mental Health. HL7 suggests using values derived from the ANSI ASC X12 Health Care Provider Taxonomy, Level 3 - specialization.

HL7 Table 0454 - Health care provider area of specialization

Value	Description	Comment
SUGGESTION	ANSI ASC X12 Health Care Provider Taxonomy, Level 3 - specialization	

15.4.5.9   ORG-9   Effective Date Range   (DR)   01465

```
Components:  <Range Start Date/Time (DTM)> ^ <Range End Date/Time (DTM)>
```

Definition: This field contains the date range in which the practitioner started and ended working at the specific organization unit in the specific practicing specialty category.

15.4.5.10 ORG-10   Employment Status Code   (CWE)   01276

```
Components:  <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
             <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
             <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains a code indicating the working relationship of the practitioner at this organization unit. It may be different than the work status specified in STF-20. Refer to *User-defined Table 0066 - Employment status* for suggested values.

User-defined Table 0066 - Employment status

Value	Description	Comment
	see chapter 6	

15.4.5.11 ORG-11 Board Approval Indicator (ID) 01467

Definition: This field contains an indicator for whether this practice specialty requires board approval. Refer to *HL7 Table 0136 - Yes/no indicator* for valid values.

Y   this practice specialty requires board approval

N   this practice specialty does not require board approval

15.4.5.12 ORG-12 Primary Care Physician Indicator (ID) 01468

Definition: This field contains an indicator for whether this practice specialty may act as a primary care physician (PCP). Refer to *HL7 Table 0136 - Yes/no indicator* for valid values.

Y   this practice specialty may act as a primary care physician

N   this practice specialty may not act as a primary care physician

15.4.6   PRA - Practitioner Detail Segment

The Technical Steward for the PRA segment is PA and Personnel Management.

The PRA segment adds detailed medical practitioner information to the personnel identified by the STF segment. A PRA segment may optionally follow an STF segment. A PRA segment must always have been preceded by a corresponding STF segment. The PRA segment may also be used for staff who work in healthcare who are not practitioners but need to be certified, e.g., "medical records staff."

HL7 Attribute Table – PRA – Practitioner Detail

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM#	ELEMENT NAME
1	250	CWE	C		9999	00685	Primary Key Value - PRA
2	250	CWE	O	Y	0358	00686	Practitioner Group
3	3	IS	O	Y	0186	00687	Practitioner Category
4	1	ID	O		0187	00688	Provider Billing
5	112	SPD	O	Y	0337	00689	Specialty
6	99	PLN	B	Y	0338	00690	Practitioner ID Numbers
7	770	PIP	O	Y		00691	Privileges
8	8	DT	O			01296	Date Entered Practice
9	250	CWE	O		0537	01613	Institution
10	8	DT	O			01348	Date Left Practice
11	250	CWE	O	Y	0401	01388	Government Reimbursement Billing Eligibility
12	60	SI	C			01616	Set ID - PRA

15.4.6.0   PRA Field Definitions

15.4.6.1   PRA-1   Primary Key Value - PRA   (CWE)   00685

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^ <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^ <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: For MFN Master File Notification, this field is required and must match MFE-4-primary key value to identify which entry is being referenced. For all other messages, this field should not be used.

15.4.6.2   PRA-2   Practitioner Group   (CWE)   00686

```
Components:  <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
             <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
             <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the name and/or code of a group of practitioners to which this practitioner belongs. Refer to *User-defined Table 0358 Practitioner group* for suggested values.

User-defined Table 0358 – Practitioner group

Value	Description	Comment
	No suggested values defined	

15.4.6.3   PRA-3   Practitioner Category   (IS)   00687

Definition: This field contains the category of practitioner. Refer to *User-defined Table 0186 - Practitioner category* for suggested values. Values may include codes for staff physician, courtesy physician, resident, physician assistant, physical therapist, psychiatrist, psychologist, pharmacist, registered nurse, licensed practical nurse, licensed vocational nurse, nurse practitioner, etc. If the provider works in different Practitioner Categories in different organization units, then this information should be recorded separately in ORG-6,7,8.

User-defined Table 0186 – Practitioner category

Value	Description	Comment
	No suggested values defined	

15.4.6.4   PRA-4   Provider Billing   (ID)   00688

Definition: This field indicates how provider services are billed. Refer to *HL7 Table 0187 - Provider billing* for valid values.

HL7 Table 0187 - Provider billing

Value	Description	Comment
I	Institution bills for provider	
P	Provider does own billing	

15.4.6.5   PRA-5   Specialty   (SPD)   00689

```
Components:  <Specialty Name (ST)> ^ <Governing Board (ST)> ^ <Eligible or Certified (ID)> ^ <Date of
             Certification (DT)>
```

Definition: This repeating field is made up of multiple components to record the practitioner's specialties. The multiple components of each specialty are: (1) specialty name or abbreviation, identifies provider's specialty, (2) name of specialty governing board, (3) Certification Status, (4) certified date contains the date of certification, if certified. Refer to *HL7 Table 0337 – Certification status* for valid values.

HL7 Table 0337 - Certification status

Value	Description	Comment
C	Certified	
E	Eligible	

15.4.6.6   PRA-6   Practitioner ID Numbers   (PLN)   00690

```
Components:  <ID Number (ST)> ^ <Type of ID Number (IS)> ^ <State/other Qualifying Information (ST)> ^
             <Expiration Date (DT)>
```

Definition: *As of version 2.5, this field has been retained for backward compatibility only.* Practitioner ID numbers should be contained in STF-2 Staff Identifier List. This repeating field contains this practitioner's license numbers and other ID numbers. This is a field made up of the following components: (1) the ID number, and (2) the type of number, and optionally (3) the state or province in which it is valid, if relevant, or other qualifying information. It is recommended that state qualifications use the abbreviations from the postal service of the country. The practitioner ID number type (component 2) is a user-defined table (*User-defined Table 0338 – Practitioner ID Number* in Chapter 2A)

15.4.6.7   PRA-7   Privileges   (PIP)   00691

```
Components:   <Privilege (CWE)> ^ <Privilege Class (CWE)> ^ <Expiration Date (DT)> ^ <Activation Date (DT)> ^
              <Facility (EI)>

Subcomponents for Privilege (CWE):  <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> & <Alternate
              Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> & <Coding System
              Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Privilege Class (CWE):  <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> &
              <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> &
              <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Facility (EI):  <Entity Identifier (ST)> & <Namespace ID (IS)> & <Universal ID (ST)> &
              <Universal ID Type (ID)>
```

Definition: This field contains the institutional privileges which this provider may exercise. Depends upon institutional needs. For example, admit, transfer, discharge, place orders, verify orders, review results, etc. Can also be used for privileges other than patient services. This is a repeating field, with each privilege made up of the following components: (1) privilege; (2) privilege class; (3) privilege expiration date, if any; (4) privilege activation date, if any, and (5) facility. Note that the privilege and privilege class components are CWE data types, and thus they are encoded with the subcomponent delimiter (&) rather than the component delimiter (^). The facility component is an EI data type specifying the facility to which the privilege applies and is encoded with the subcomponent delimiter (&) rather than the component delimiter (^). The facility component is an EI data type specifying the facility to which the privilege applies and is encoded with the subcomponent delimiter (&) rather than the component delimiter (^).

15.4.6.8   PRA-8   Date Entered Practice   (DT)   01296

Definition: This field contains the date the practitioner began practicing at the present institution (e.g., at hospital, at physician organization, at managed care network).

15.4.6.9   PRA-9   Institution   (CWE)   01613

```
Components:   <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the institution the practitioner began or intends to begin practicing at (e.g., at hospital, at physician organization, at managed care network). Refer to *User-defined Table 0537 - Institution* for valid values.

User-defined Table 0537 - Institution

Value	Description	Comment
	No suggested values	

15.4.6.10   PRA-10   Date Left Practice   (DT)   01348

Definition: This field contains the date the practitioner ended or intends to end practicing at the given institution (e.g., at hospital, at physician organization, at managed care network).

15.4.6.11   PRA-11   Government Reimbursement Billing Eligibility   (CWE)   01388

```
Components:   <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains a code that indicates the agency that the practitioner is authorized to bill for medical services. Refer to *User-defined Table 0401 - Government reimbursement program* for valid values. This is a repeating field.

User-defined Table 0401 - Government reimbursement program

Value	Description	Comment
MM	Medicare	
C	Medi-Cal	

15.4.6.12   PRA-12   Set ID - PRA   (SI)   01616

Definition: For all messages except the Staff/Practitioner Master File Notification, this field is required and contains the number that identifies this transaction. For the first occurrence of the segment, the sequence

number shall be one; for the second occurrence, the sequence number shall be two; etc. For the Staff/Practitioner Master File Notification message, this field should not be used.

15.4.7 ROL - Role Segment

The role segment contains the data necessary to add, update, correct, and delete from the record persons involved, as well as their functional involvement with the activity being transmitted.

In general, the ROL segment is used to describe a person playing a particular role within the context of the message. In PM, for example, in the Grant Certificate/Permission message (B07), the ROL segment is used to describe the roles a person may perform pertinent to the certificate in the message.

The positional location of the ROL segment in ADT and Finance messages indicates the relationship. When the segment is used following the IN3 segment, and the role-ROL value is PP or FHCP, the PP or FHCP is related to the health plan. When the segment is used following the PID segment, and the role-ROL value is PP or FHCP, the PP or FHCP is related to the person. When the segment is used following the PV2 segment, and the role-ROL value is PCP or FHCP, the PP or FHCP is related to the patient visit.

HL7 Attribute Table - ROL - Role

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM #	ELEMENT NAME
1	60	EI	C			01206	Role Instance ID
2	2	ID	R		0287	00816	Action Code
3	250	CWE	R		0443	01197	Role-ROL
4	250	XCN	R	Y		01198	Role Person
5	24	DTM	O			01199	Role Begin Date/Time
6	24	DTM	O			01200	Role End Date/Time
7	250	CWE	O			01201	Role Duration
8	250	CWE	O			01205	Role Action Reason
9	250	CWE	O	Y		01510	Provider Type
10	250	CWE	O		0406	01461	Organization Unit Type
11	250	XAD	O	Y		00679	Office/Home Address/Birthplace
12	250	XTN	O	Y		00678	Phone
13	1230	PL	O			02183	Person's Location

15.4.7.0   ROL - Field Definitions

15.4.7.1   ROL-1   Role instance ID   (EI)   01206

Components: <Entity Identifier (ST)> ^ <Namespace ID (IS)> ^ <Universal ID (ST)> ^ <Universal ID Type (ID)>

Definition: This field contains a unique identifier of the specific role record.

Conditionality Rule: This field is required when used in Patient Care and Personnel Management messages. The field is optional when used in ADT and Finance messages.

15.4.7.2   ROL-2   Action code   (ID)   00816

Definition: This field reveals the intent of the message. Refer to *HL7 table 0287 – Problem/goal action code* for valid values.

15.4.7.3   ROL-3   Role-ROL   (CWE)   01197

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
             <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
             <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: This field indicates the functional involvement with the activity being transmitted (e.g., Case Manager, Evaluator, Transcriber, Nurse Care Practitioner, Midwife, Physician Assistant, etc.). Refer to *User-defined table 0443 – Provider role* for valid values. When the ROL segment is used in conjunction

with the Attending, Referring, or Admitting physician in the PV1 segment, the HL7 specified table values must be used. Additional site negotiated values are allowed.

> **Note:** Table 0443 appears to have the similar use and similar values as Table 0286, but supports a more generic concept.

User-defined Table 0443 - Provider role

Value	Description	Used with
AD	Admitting	PV1-17 Admitting doctor
AT	Attending	PV1-7 Attending doctor
CP	Consulting Provider	
FHCP	Family Health Care Professional	
PP	Primary Care Provider	
RP	Referring Provider	PV1-8 Referring doctor
RT	Referred to Provider	
TR	Transcriptionist	
PI	Primary Interpreter	
AI	Assistant/Alternate Interpreter	
TN	Technician	

15.4.7.4 ROL-4 Role person (XCN) 01198

```
Components:   <ID Number (ST)> ^ <Family Name (FN)> ^ <Given Name (ST)> ^ <Second and Further Given Names or
              Initials Thereof (ST)> ^ <Suffix (e.g., JR or III) (ST)> ^ <Prefix (e.g., DR) (ST)> ^ <DEPRECATED-
              Degree (e.g., MD) (IS)> ^ <Source Table (IS)> ^ <Assigning Authority (HD)> ^ <Name Type Code (ID)>
              ^ <Identifier Check Digit (ST)> ^ <Check Digit Scheme (ID)> ^ <Identifier Type Code (ID)> ^
              <Assigning Facility (HD)> ^ <Name Representation Code (ID)> ^ <Name Context (CWE)> ^ <DEPRECATED-
              Name Validity Range (DR)> ^ <Name Assembly Order (ID)> ^ <Effective Date (DTM)> ^ <Expiration Date
              (DTM)> ^ <Professional Suffix (ST)> ^ <Assigning Jurisdiction (CWE)> ^ <Assigning Agency or
              Department (CWE)>

Subcomponents for Family Name (FN):  <Surname (ST)> & <Own Surname Prefix (ST)> & <Own Surname (ST)> & <Surname
              Prefix from Partner/Spouse (ST)> & <Surname from Partner/Spouse (ST)>

Subcomponents for Assigning Authority (HD):  <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type
              (ID)>

Subcomponents for Assigning Facility (HD):  <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type
              (ID)>

Subcomponents for Name Context (CWE):  <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> &
              <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> &
              <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Name Validity Range (DR):  <Range Start Date/Time (DTM)> & <Range End Date/Time (DTM)>

Subcomponents for Assigning Jurisdiction (CWE):  <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)>
              & <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> &
              <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Assigning Agency or Department (CWE):  <Identifier (ST)> & <Text (ST)> & <Name of Coding
              System (ID)> & <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding
              System (ID)> & <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> &
              <Original Text (ST)>
```

Definition: This field contains the identity of the person who is assuming the role that is being transmitted. This field correlates to STF-2 Staff ID Code and STF-3 Staff Name. If both STF and ROL are present in the same message, populating this field is optional. If this field is populated, then it must be populated with the same values as the correlated field.

15.4.7.5 ROL-5 Role begin date/time (DTM) 01199

Definition: This field contains the date/time when the role began.

15.4.7.6 ROL-6 Role end date/time (DTM) 01200

Definition: This field contains the date/time when the role ended.

15.4.7.7 ROL-7 Role duration (CWE) 01201

```
Components:   <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the qualitative length of time for performance of a role (e.g., until the next assessment, four days, until discharge, etc.).

15.4.7.8   ROL-8   Role action reason   (CWE)   01205

Components: `<Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^ <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^ <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>`

Definition: This field indicates the reason why the person is assuming (or changing) the role (e.g., shift change, new primary nurse, etc.).

15.4.7.9   ROL-9   Provider type   (CWE)   01510

Components: `<Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^ <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^ <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>`

Definition: This field contains a code identifying the provider type. This attribute correlates to the following master file attribute: STF-4 Staff Type. Coded values from the correlated master file table are used; the user defined master file table is used as the coding system for this attribute. For example, if you are using values from STF-2 Staff Type, the coding system would be HL70182 which is the table number for the user defined Staff Type table. This field is included in this segment to support international requirements. When ROL is used in an encounter message, it is not intended as a master file update.

15.4.7.10   ROL-10   Organization unit type   (CWE)   01461

Components: `<Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^ <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^ <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>`

Definition: This field identifies the environment in which the provider acts in the role specified in ROL-3. The provider environment is not the specialty for the provider. The specialty information for the provider is defined in the PRA segment. This attribute is included in the ROL segment to allow communication of this data when the provider information may not have been communicated previously in a master file. Refer to *User-defined table 0406 - Organization unit type*. This field is included in this segment to support international requirements, and is not intended as a master file update.

User-defined table 0406 - Organization unit type

Value	Description
H	Home
O	Office
1	Hospital
2	Physician Clinic
3	Long Term Care
4	Acute Care
5	Other

15.4.7.11 ROL-11   Office/Home Address/Birthplace   (XAD)   00679

Components: `<Street Address (SAD)> ^ <Other Designation (ST)> ^ <City (ST)> ^ <State or Province (ST)> ^ <Zip or Postal Code (ST)> ^ <Country (ID)> ^ <Address Type (ID)> ^ <Other Geographic Designation (ST)> ^ <County/Parish Code (IS)> ^ <Census Tract (IS)> ^ <Address Representation Code (ID)> ^ <DEPRECATED-Address Validity Range (DR)> ^ <Effective Date (DTM)> ^ <Expiration Date (DTM)> ^ <Expiration Reason (CWE)> ^ <Temporary Indicator (ID)> ^ <Bad Address Indicator (ID)> ^ <Address Usage (ID)> ^ <Addressee (ST)> ^ <Comment (ST)> ^ <Preference Order (NM)> ^ <Protection Code (CWE)> ^ <Address Identifier (EI)>`

Subcomponents for Street Address (SAD): `<Street or Mailing Address (ST)> & <Street Name (ST)> & <Dwelling Number (ST)>`

Subcomponents for Address Validity Range (DR): `<Range Start Date/Time (DTM)> & <Range End Date/Time (DTM)>`

Subcomponents for Expiration Reason (CWE): `<Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> & <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> & <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>`

Subcomponents for Protection Code (CWE): `<Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> & <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> & <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>`

```
Subcomponents for Address Identifier (EI):  <Entity Identifier (ST)> & <Namespace ID (IS)> & <Universal ID
          (ST)> & <Universal ID Type (ID)>
```

Definition: This field contains addresses associated with the role.

This field correlates to STF-11 Office/Home Address. When ROL and STF are both present in a message, the corresponding entries (i.e., repetitions with the same Address Type) for this field may be valued the same. If they are different, the ROL entry reflects the office/home address of the person in the role.

This field is included in this segment to support international requirements and to communicate this information in non-master file messages (e.g., encounters and orders) where STF may not be present. This field is not intended as a master file update when used in non-master file messages.

15.4.7.12 ROL-12 Phone (XTN) 00678

```
Components:  <WITHDRAWN Constituent> ^ <Telecommunication Use Code (ID)> ^ <Telecommunication Equipment Type
          (ID)> ^ <Communication Address (ST)> ^ <Country Code (NM)> ^ <Area/City Code (NM)> ^ <Local Number
          (NM)> ^ <Extension (NM)> ^ <Any Text (ST)> ^ <Extension Prefix (ST)> ^ <Speed Dial Code (ST)> ^
          <Unformatted Telephone number  (ST)> ^ <Effective Start Date (DTM)> ^ <Expiration Date (DTM)> ^
          <Expiration Reason (CWE)> ^ <Protection Code (CWE)> ^ <Shared Telecommunication Identifier (EI)> ^
          <Preference Order (NM)>

Subcomponents for Expiration Reason (CWE):  <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> &
          <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> &
          <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Protection Code (CWE):  <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> &
          <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> &
          <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Shared Telecommunication Identifier (EI):  <Entity Identifier (ST)> & <Namespace ID (IS)> &
          <Universal ID (ST)> & <Universal ID Type (ID)>
```

Definition: This field contains telecommunication numbers associated with the role.

This field correlates to STF-10 Phone. When ROL and STF are both present in a message, the corresponding entries (i.e., repetitions with the same Telecommunication Use Type) for this field may be valued the same. If they are different, the ROL entry reflects the telephone number of the person in the role.

This field is included in this segment to support international requirements and to communicate this information in non-master file messages (e.g., encounters and orders) where STF may not be present. This field is not intended as a master file update when used in non-master file messages.

15.4.7.13 ROL-13 Person's Location (PL) 02183

```
Components:  <Point of Care (IS)> ^ <Room (IS)> ^ <Bed (IS)> ^ <Facility (HD)> ^ <Location Status (IS)> ^
          <Person Location Type (IS)> ^ <Building (IS)> ^ <Floor (IS)> ^ <Location Description (ST)> ^
          <Comprehensive Location Identifier (EI)> ^ <Assigning Authority for Location (HD)>

Subcomponents for Facility (HD):  <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type (ID)>

Subcomponents for Comprehensive Location Identifier (EI):  <Entity Identifier (ST)> & <Namespace ID (IS)> &
          <Universal ID (ST)> & <Universal ID Type (ID)>

Subcomponents for Assigning Authority for Location (HD):  <Namespace ID (IS)> & <Universal ID (ST)> &
          <Universal ID Type (ID)>
```

Definition: This field specifies the physical location (e.g., nurse station, ancillary service location, clinic, or floor) of the person in the role, as identified in ROL-4-role person.

If ROL-11 is populated with an Address Type of S (Service Location) and ROL-13 is also populated, then the two must describe the same physical location.

15.4.8   STF - Staff Identification Segment

The Technical Steward for the STF segment is PA and Personnel Management.

The STF segment can identify any personnel referenced by information systems. These can be providers, staff, system users, and referring agents. In a network environment, this segment can be used to define personnel to other applications, for example, order entry clerks, insurance verification clerks, admission clerks, as well as provider demographics. When using the STF and PRA segments in the Staff/Practitioner Master File message, MFE-4-primary key value is used to link all the segments pertaining to the same master file entry. Therefore, in the MFE segment, MFE-4-primary key value must be filled in. Other segments may follow the STF segment to provide data for a particular type of staff member. The PRA

segment (practitioner) is one such. It may optionally follow the STF segment in order to add practitioner-specific data. Other segments may be defined as needed. When using the segments included in this chapter for other then Staff/Practitioner Master File messages, disregard references to MFE-4 - primary key value.

HL7 Attribute Table – STF – Staff Identification

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM#	ELEMENT NAME
1	250	CWE	C		9999	00671	Primary Key Value - STF
2	250	CX	O	Y	0061/ 0203/ 0363	00672	Staff Identifier List
3	250	XPN	O	Y		00673	Staff Name
4	2	IS	O	Y	0182	00674	Staff Type
5	1	IS	O		0001	00111	Administrative Sex
6	24	DTM	O			00110	Date/Time of Birth
7	1	ID	O		0183	00675	Active/Inactive Flag
8	250	CWE	O	Y	0184	00676	Department
9	250	CWE	O	Y	0069	00677	Hospital Service - STF
10	250	XTN	O	Y		00678	Phone
11	250	XAD	O	Y		00679	Office/Home Address/Birthplace
12	276	DIN	O	Y	0537	00680	Institution Activation Date
13	276	DIN	O	Y	0537	00681	Institution Inactivation Date
14	250	CWE	O	Y		00682	Backup Person ID
15	40	ST	O	Y		00683	E-Mail Address
16	705	CWE	O		0185	00684	Preferred Method of Contact
17	705	CWE	O		0002	00119	Marital Status
18	20	ST	O			00785	Job Title
19	20	JCC	O			00786	Job Code/Class
20	250	CWE	O		0066	01276	Employment Status Code
21	1	ID	O		0136	01275	Additional Insured on Auto
22	25	DLN	O			01302	Driver's License Number – Staff
23	1	ID	O		0136	01229	Copy Auto Ins
24	8	DT	O			01232	Auto Ins Expires
25	8	DT	O			01298	Date Last DMV Review
26	8	DT	O			01234	Date Next DMV Review
27	705	CWE	O		0005	00113	Race
28	705	CWE	O		0189	00125	Ethnic Group
29	1	ID	O		0136	01596	Re-activation Approval Indicator
30	705	CWE	O	Y	0171	00129	Citizenship
31	8	DTM	O			01886	Date/Time of Death
32	1	ID	O		0136	01887	Death Indicator
33	250	CWE	O		0538	01888	Institution Relationship Type Code
34	52	DR	O			01889	Institution Relationship Period
35	8	DT	O			01890	Expected Return Date

SEQ	LEN	DT	OPT	RP/#	TBL#	ITEM#	ELEMENT NAME
36	250	CWE	O	Y	0539	01891	Cost Center Code
37	1	ID	O		0136	01892	Generic Classification Indicator
38	250	CWE	O		0540	01893	Inactive Reason Code
39	1	CWE	O	Y	0771	02184	Generic resource type or category

15.4.8.0   STF Field Definitions

15.4.8.1   STF-1   Primary Key Value - STF   (CWE)   00671

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: For MFN Master File Notification, this field is required and must match MFE-4-primary key value to identify which entry is being referenced. For all other messages, this field should not be used.

15.4.8.2   STF-2   Staff Identifier List   (CX)   00672

Components: <ID Number (ST)> ^ <Identifier Check Digit (ST)> ^ <Check Digit Scheme (ID)> ^ <Assigning
              Authority (HD)> ^ <Identifier Type Code (ID)> ^ <Assigning Facility (HD)> ^ <Effective Date (DT)>
              ^ <Expiration Date (DT)> ^ <Assigning Jurisdiction (CWE)> ^ <Assigning Agency or Department (CWE)>

Subcomponents for Assigning Authority (HD): <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type
              (ID)>

Subcomponents for Assigning Facility (HD): <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type
              (ID)>

Subcomponents for Assigning Jurisdiction (CWE): <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)>
              & <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> &
              <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Assigning Agency or Department (CWE): <Identifier (ST)> & <Text (ST)> & <Name of Coding
              System (ID)> & <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding
              System (ID)> & <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> &
              <Original Text (ST)>

Definition: This field contains the list of identifiers (one or more) used by the institution to identify this person. Refer to *HL7 Table 0061 - Check digit scheme* (component 2), *User-defined Table 0203 - Identifier type* (component 5) and *User-defined Table 0363 - Assigning authority* (component 4) for valid values (see Chapter 2A). If a Staff Member has institution identifiers that are valid only in specific organization units, that Staff identifier should be recorded in the ORG-Practitioner Organization Unit segment.

15.4.8.3   STF-3   Staff Name   (XPN)   00673

Components: <Family Name (FN)> ^ <Given Name (ST)> ^ <Second and Further Given Names or Initials Thereof (ST)>
              ^ <Suffix (e.g., JR or III) (ST)> ^ <Prefix (e.g., DR) (ST)> ^ <DEPRECATED-Degree (e.g., MD) (IS)>
              ^ <Name Type Code (ID)> ^ <Name Representation Code (ID)> ^ <Name Context (CWE)> ^ <DEPRECATED-
              Name Validity Range (DR)> ^ <Name Assembly Order (ID)> ^ <Effective Date (DTM)> ^ <Expiration Date
              (DTM)> ^ <Professional Suffix (ST)>

Subcomponents for Family Name (FN): <Surname (ST)> & <Own Surname Prefix (ST)> & <Own Surname (ST)> & <Surname
              Prefix from Partner/Spouse (ST)> & <Surname from Partner/Spouse (ST)>

Subcomponents for Name Context (CWE): <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> &
              <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> &
              <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Name Validity Range (DR): <Range Start Date/Time (DTM)> & <Range End Date/Time (DTM)>

Definition: This field contains the staff person's name. This field may repeat to transmit multiple names for the same person.

15.4.8.4   STF-4   Staff Type   (IS)   00674

Definition: This field contains a code identifying what type of staff. Refer to *User-defined Table 0182 - Staff type* for suggested values. Values may include codes for staff, practitioner, referral agent or agency, etc. This field may repeat to allow for staff to be assigned multiple types.

Typically, this field would be populated with the most granular types that may be associated with the staff. If less granular typing or categorization of the staff is required in addition to the specific type(s) found in this field, the reader is referred to STF-39 - Generic resource type or category. Thus, while STF-4 may

contain the code for a specific staff or practitioner type, STF-39 may contain "staff" or "practitioner". For further discussion of specific and generic types, the reader is referred to STF-39 - Generic resource type or category.

<div align="center">User-defined Table 0182 – Staff type</div>

Value	Description	Comment
...	No suggested values defined	

15.4.8.5 STF-5 Administrative Sex (IS) 00111

Definition: This field contains the staff person's sex. Refer to *User-defined Table 0001 – Administrative Sex* for suggested values.

15.4.8.6 STF-6 Date/Time of Birth (DTM) 00110

Definition: This field contains a staff member's date and time of birth.

15.4.8.7 STF-7 Active/Inactive Flag (ID) 00675

Definition: This field indicates whether person is currently a valid staff member. Refer to *HL7 Table 0183 - Active/inactive* for valid values.

<div align="center">HL7 Table 0183 - Active/Inactive</div>

Value	Description	Comment
A	Active Staff	
I	Inactive Staff	

15.4.8.8 STF-8 Department (CWE) 00676

```
Components:  <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
             <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
             <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the institution department to which this person reports or belongs. Refer to *User-defined Table 0184 - Department* for suggested values.

<div align="center">User-defined Table 0184 – Department</div>

Value	Description	Comment
...	No suggested values defined	

15.4.8.9 STF-9 Hospital Service - STF (CWE) 00677

```
Components:  <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
             <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
             <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field contains the hospital or ancillary service with which this staff person is associated. Refer to *User-defined Table 0069 - Hospital service* for suggested values.

15.4.8.10 STF-10 Phone (XTN) 00678

```
Components:  <WITHDRAWN Constituent> ^ <Telecommunication Use Code (ID)> ^ <Telecommunication Equipment Type
             (ID)> ^ <Communication Address (ST)> ^ <Country Code (NM)> ^ <Area/City Code (NM)> ^ <Local Number
             (NM)> ^ <Extension (NM)> ^ <Any Text (ST)> ^ <Extension Prefix (ST)> ^ <Speed Dial Code (ST)> ^
             <Unformatted Telephone number  (ST)> ^ <Effective Start Date (DTM)> ^ <Expiration Date (DTM)> ^
             <Expiration Reason (CWE)> ^ <Protection Code (CWE)> ^ <Shared Telecommunication Identifier (EI)> ^
             <Preference Order (NM)>

Subcomponents for Expiration Reason (CWE):  <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> &
             <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> &
             <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Protection Code (CWE):  <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> &
             <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> &
             <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Shared Telecommunication Identifier (EI):  <Entity Identifier (ST)> & <Namespace ID (IS)> &
             <Universal ID (ST)> & <Universal ID Type (ID)>
```

Definition: This field contains the staff person's phone number. This is a repeating field with a component for indicating which phone number is which.

15.4.8.11   STF-11   Office/Home Address/Birthplace   (XAD)   00679

Components: <Street Address (SAD)> ^ <Other Designation (ST)> ^ <City (ST)> ^ <State or Province (ST)> ^ <Zip or Postal Code (ST)> ^ <Country (ID)> ^ <Address Type (ID)> ^ <Other Geographic Designation (ST)> ^ <County/Parish Code (IS)> ^ <Census Tract (IS)> ^ <Address Representation Code (ID)> ^ <DEPRECATED-Address Validity Range (DR)> ^ <Effective Date (DTM)> ^ <Expiration Date (DTM)> ^ <Expiration Reason (CWE)> ^ <Temporary Indicator (ID)> ^ <Bad Address Indicator (ID)> ^ <Address Usage (ID)> ^ <Addressee (ST)> ^ <Comment (ST)> ^ <Preference Order (NM)> ^ <Protection Code (CWE)> ^ <Address Identifier (EI)>

Subcomponents for Street Address (SAD): <Street or Mailing Address (ST)> & <Street Name (ST)> & <Dwelling Number (ST)>

Subcomponents for Address Validity Range (DR): <Range Start Date/Time (DTM)> & <Range End Date/Time (DTM)>

Subcomponents for Expiration Reason (CWE): <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> & <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> & <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Protection Code (CWE): <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> & <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> & <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Subcomponents for Address Identifier (EI): <Entity Identifier (ST)> & <Namespace ID (IS)> & <Universal ID (ST)> & <Universal ID Type (ID)>

Definition: This field contains the office, and home address and/or place of birth of the staff person. This is a repeating field. The address type identifies the usage.

15.4.8.12   STF-12   Institution Activation Date   (DIN)   00680

Components: <Date (DTM)> ^ <Institution Name (CWE)>

Subcomponents for Institution Name (CWE): <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> & <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> & <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Definition: This field contains the date when staff became active for an institution. This is a repeating field. Refer to *User-defined Table 0537 - Institution* for valid values.

User-defined Table 0537 – Institution

Value	Description	Comment
...	No suggested values defined	

15.4.8.13   STF-13   Institution Inactivation Date   (DIN)   00681

Components: <Date (DTM)> ^ <Institution Name (CWE)>

Subcomponents for Institution Name (CWE): <Identifier (ST)> & <Text (ST)> & <Name of Coding System (ID)> & <Alternate Identifier (ST)> & <Alternate Text (ST)> & <Name of Alternate Coding System (ID)> & <Coding System Version ID (ST)> & <Alternate Coding System Version ID (ST)> & <Original Text (ST)>

Definition: This field contains the date when staff became inactive for an institution. This is a repeating field. Refer to *HL7 Table 0537 - Institution* for valid values.

15.4.8.14   STF-14   Backup Person ID   (CWE)   00682

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^ <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^ <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: This field contains the MFE-4-primary key value of the master file entry that corresponds to the designated backup person for this staff person.

15.4.8.15   STF-15   E-mail Address   (ST)   00683

Definition: ***This field has been retained for backward compatibility.*** (It is now present in the fourth component of STF-10-phone).

15.4.8.16   STF-16   Preferred Method of Contact   (CWE)   00684

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^ <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^ <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: This field indicates which of a group of multiple phone numbers is the preferred method of contact for this person. Note that all values of this code refer to this segment's phone field, except for the

value "E," which refers to the E-mail address field. If more than one phone number of the preferred type exists in STF-10-phone, this field refers to the first such instance. Refer to *HL7 Table 0185 - Preferred method of contact* for valid values.

HL7 Table 0185 - Preferred method of contact

Value	Description	Comment
B	Beeper Number	
C	Cellular Phone Number	
E	E-Mail Address (for backward compatibility)	
F	FAX Number	
H	Home Phone Number	
O	Office Phone Number	

15.4.8.17   STF-17   Marital Status   (CWE)   00119

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: This field contains the staff member's marital status. Refer to *User-defined Table 0002 - Marital status* for suggested values. Same values as those for PID-16-marital status.

15.4.8.18   STF-18   Job Title   (ST)   00785

Definition: This field contains a descriptive name of the staff member's occupation (e.g., Sr. Systems Analyst, Sr. Accountant).

15.4.8.19   STF-19   Job Code/Class   (JCC)   00786

Components: <Job Code (IS)> ^ <Job Class (IS)> ^ <Job Description Text (TX)>

Definition: This field contains the staff member's job code and employee classification. Refer to *User-defined Table 0327 - Job code* and *User-defined Table 0328 - Employee classification* for suggested values.

15.4.8.20   STF-20   Employment Status Code   (CWE)   01276

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
              <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
              <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: This field contains the code that indicates the staff member's employment status, e.g., full-time, part-time, self-employed, etc. Refer to *User-defined Table 0066 - Employment status* for suggested values.

User-defined Table 0066 – Employment status

Value	Description	Comment
	see chapter 6	

15.4.8.21   STF-21   Additional Insured on Auto   (ID)   01275

Definition: This field contains an indicator for whether the present institution is named as an additional insured on the staff member's auto insurance, especially for use when staff is a driver for the institution. Refer to *HL7 Table 0136 - Yes/no indicator* for valid values.

Y   indicates that the institution is named as an additional insured

N   indicates that the institution is not named as an additional insured

15.4.8.22   STF-22   Driver's License Number - Staff   (DLN)   01302

Components: <License Number (ST)> ^ <Issuing State, Province, Country (IS)> ^ <Expiration Date (DT)>

Definition: This field contains the driver's license information of staff, especially for use when staff is a driver for the institution. For state or province refer to official postal codes for that country; for country refer to ISO 3166 for codes.

15.4.8.23   STF-23   Copy Auto Ins   (ID)   01229

Definition: This field contains an indicator for whether the institution has on file a copy of the staff member's auto insurance, especially for use when staff is a driver for the institution.   Refer to *HL7 Table 0136 - Yes/no indicator* for valid values.

Y   indicates that the institution has a copy on file

N   indicates that the institution does not have a copy on file

15.4.8.24   STF-24   Auto Ins Expires   (DT)   01232

Definition: This field contains the date on which the staff member's driver's license expires, especially for use when staff is a driver for the institution.

15.4.8.25   STF-25   Date Last DMV Review   (DT)   01298

Definition: This field contains the date of the staff member's most recent Department of Motor Vehicles review, especially for use when staff is a driver for the institution.

15.4.8.26   STF-26   Date Next DMV Review   (DT)   01234

Definition: This field contains the date of the staff member's next Department of Motor Vehicles review, especially for use when staff is a driver for the institution.

15.4.8.27   STF-27   Race   (CWE)   00113

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^ <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^ <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: This field refers to the person's race. Refer to *User-defined Table 0005 - Race* for suggested values. The second triplet of the CWE data type for race (alternate identifier, alternate text, and name of alternate coding system) is reserved for governmentally assigned codes.

User-defined Table 0005 - Race

Value	Description	Comment
...	see chapter 3	

15.4.8.28   STF-28   Ethnic Group   (CWE)   00125

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^ <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^ <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: This field further defines the person's ancestry. Refer to *User-defined Table 0189 - Ethnic group* for suggested values. The second couplet of the CWE data type for ethnic group (alternate identifier, alternate text, and name of alternate coding system) is reserved for governmentally assigned codes. In the United States, a current use is to report ethnicity in line with US federal standards for Hispanic origin.

User-defined Table 0189 – Ethnic group

Value	Description	Comment
...	see chapter 3	

15.4.8.29   STF-29   Re-activation Approval Indicator   (ID)   01596

Definition: This field contains an indicator for whether the re-activation of this record requires special approval. Refer to *HL7 Table 0136 - Yes/no indicator* for valid values.

Y   the re-activation requires approval

N   this re-activation does not require approval

15.4.8.30   STF-30   Citizenship   (CWE)   00129

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^ <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^ <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: This field contains the staff person's current country of citizenship. HL7 recommends using ISO table 3166 as the suggested values in *User-defined Table 0171 - Citizenship*.

User-defined Table 0171 - Citizenship

Value	Description	Comment
	See Chapter 3	

15.4.8.31 STF-31 Date/Time of Death (DTM) 01886

Definition: This field contains the date and time at which the staff person death occurred.

15.4.8.32 STF-32 Death Indicator (ID) 01887

Definition: This field indicates whether the staff person is deceased. Refer to *HL7 Table 0136 - Yes/no indicator* for valid values.

Y   the staff person is deceased
N   the staff person is not deceased

15.4.8.33 STF-33 Institution Relationship Type Code (CWE) 01888

```
Components:  <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
             <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
             <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field specifies the relationship the staff person has with the institution for whom he/she provides services. Refer to *User–defined Table 0538 – Institution Relationship Type* for suggested values.

User-defined Table 0538 – Institution Relationship Type

Value	Description	Comment
EMP	Employee	
VOL	Volunteer	
CON	Contractor	
CST	Consultant	

15.4.8.34 STF-34 Institution Relationship Period (DR) 01889

```
Components:  <Range Start Date/Time (DTM)> ^ <Range End Date/Time (DTM)>
```

Definition: This field contains the period during which the staff person started and ended the relationship specified in STF-33 - Institution Relationship Type Code.

15.4.8.35 STF-35 Expected Return Date (DT) 01890

Definition: This field contains the date on which an inactive staff member expects to return to work.

15.4.8.36 STF-36 Cost Center Code (CWE) 01891

```
Components:  <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
             <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
             <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>
```

Definition: This field describes the organization unit in the General Ledger to which the staff member is currently assigned. It is sometimes referred to as the "home" cost center because it is the organization unit to which the staff member's regular costs are accrued. Refer to *HL7 User-defined Table 0539 – Cost center code* for valid values.

User-defined Table 0539 – Cost Center Code

Value	Description	Comment
	no suggested values	

15.4.8.37 STF-37 Generic Classification Indicator (ID) 01892

Definition: This field describes whether or not this STF record represents an identifiable (i.e., real) human being or is a "placeholder" for one whose identity is not yet known. For example, work schedules may need to be created before the actual staff member has been hired, or appointments may be made with a floating resource who is not specifically known until the actual appointment date/time. Because these

functions require a Staff Member ID code, it is important to distinguish whether or not the Staff Member is a real human resource or not. Refer to *HL7 Table 0136 - Yes/no indicator* for valid values.

Y   indicates that the staff member is an identifiable human being

N   indicates that the staff member is not an identifiable human being

15.4.8.38   STF-38 Inactive Reason Code   (CWE)   01893

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
             <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
             <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: This field contains the reason that the staff member is inactive. Refer to *User-defined Table 0540 – Inactive Reason Code* for suggested values.

User-defined Table 0540 – Inactive Reason Code

Value	Description	Comment
L	Leave of Absence	
T	Termination	
R	Retired	

15.4.8.39   STF-39 Generic Resource Type or Category   (CWE)   02184

Components: <Identifier (ST)> ^ <Text (ST)> ^ <Name of Coding System (ID)> ^ <Alternate Identifier (ST)> ^
             <Alternate Text (ST)> ^ <Name of Alternate Coding System (ID)> ^ <Coding System Version ID (ST)> ^
             <Alternate Coding System Version ID (ST)> ^ <Original Text (ST)>

Definition: This field transmits a code that represents a high level categorization of resources. This is a companion field for the STF-4 – Staff Type and allows an institution or enterprise to impose a one or more super category levels. Refer to *User-defined Table 0771 – Resource Type or Category* for suggested values.

User-defined Table 0771 – Resource Type or Category

Value	Description	Comment
	No suggested values defined	

An enterprise might have more than one method to categorize or type resources at a high level. Therefore, this field can repeat.

Example: An organization may define discreet staff types (e.g., Pediatric Oncologist, Gerontologist, Oncology Pharmacist, Pediatric Pharmacist, Critical Care Nurse, Nurse Case Manager – Cardiology) as well as broad categories (e.g., Physician, Pharmacist, Nurse, Pediatric, Oncology, Cardiology, Case Management, Nephrology). Employing STF-4 for the discreet terms and STF-39 for the more generic terms allows both the levels of granularity to be apply to the staff without confusing the specific types with generic types. Thus, one may see:

STF-4	STF-39
Custodian	Staff
Non-clinical Nursing Supervisor	Manager
Pediatric Oncologist	Physician ~ Pediatrics ~ Oncology
Gerontologist	Physician
Oncology Pharmacist	Pharmacist ~ Oncology
Pediatric Pharmacist	Pediatrics ~ Pharmacist
Critical Care Nurse	Nurse
Nurse Case Manager – Cardiology	Nurse ~ Cardiology ~ Case Management

15.5   EXAMPLE TRANSACTIONS

15.5.1   Add Personnel Record - Event B01

```
MSH|^~\&|HL7REG|UH|HL7LAB|CH|199902280700||PMU^B01^PMU_B01|MSGID002|P|2.4|<cr<
EVN|B01|199902280700|<cr>
STF||U2246^^^PLW~111223333^^^USSSA^SS|HIPPOCRATES^HAROLD^H^JR^DR^M.D.|P|M|1951100
    4|A|^ICU|^MED|(555)555-1003X345CO~(555)555-3334CH(555)555-1345X789CB|1003
    HEALTHCARE DRIVE^SUITE 200^ANNARBOR^MI^98199^H~3029 HEALTHCARE DRIVE^^ANN
    ARBOR, MI^98198^O |19890125^DOCTORSAREUS MEDICAL
    SCHOOL&L01||PMF88123453334|74160.2326@COMPUSERV.COM|B
PRA||^HIPPOCRATES FAMILY PRACTICE|ST|I|OB/GYN^STATE BOARD OF OBSTETRICS AND
    GYNECOLOGY^C^19790123|1234887609^UPIN~1234987^CTY^MECOSTA~223987654^TAX~12349
    87757^DEA~12394433879^MDD^CA|ADMIT&&ADT^MED&&L2^19941231~DISCH&&ADT^MED&&L2^1
    9941231|
AFF|1|AMERICAN MEDICAL ASSOCIATION|123 MAIN STREET^^OUR TOWN^CA^98765^U.S.A.^M
    |19900101|
LAN|1|ESL^SPANISH^ISO639|1^READ^HL70403|1^EXCELLENT^HL70404|
LAN|2|ESL^SPANISH^ISO639|2^WRITE^HL70403|2^GOOD^HL70404|
LAN|3|FRE^FRENCH^ISO639|3^SPEAK^HL70403|3^FAIR^HL70404|
EDU|1|BA^BACHELOR OF ARTS^HL70360|19810901^19850601|YALE
    UNIVERSITY^L|U^HL70402|456 CONNECTICUT AVENUE^^NEW HAVEN^CO^87654^U.S.A.^M|
EDU|2|MD^DOCTOR OF MEDICINE^HL70360|19850901^19890601|HARVARD MEDICAL SCHOOL^L
    |M^HL70402|123 MASSACHUSETTS AVENUE^CAMBRIDGE^MA^76543^U.S.A.^M|
```

15.6   OUTSTANDING ISSUES

Proposals for the specification of additional events and messages should be submitted to the Personnel Management TC.