HL7 Other Vendor Bed Status Update
to MEDITECH Registration

Version: 2.4

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Reference number: R1809

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General Comments

This interface is designed to provide detailed information on the segments and fields that construct the HL7 interface for Bed Status Updates.

In addition, this document describes the communications protocol and acknowledgement records used for network communication.

A copy of this specification should be provided to the OV well in advance of MEDITECH software delivery so that any questions or concerns of the OV can be resolved as soon as possible.

Please note that MEDITECH may send information that the OV does not need. The OV should be able to handle this information extraneous.

Network Communications Protocol and Data Framing

For network transfer of messages, MEDITECH supports TCP/IP socket connections. The MEDITECH interface software runs on a designated PC using a Winsock compliant TCP/IP stack.

MEDITECH supports the HL7 Minimal Lower Layer Protocol for framing HL7 messages.

ESTABLISHING NETWORK CONNECTIONS

Whether receiving messages or sending messages, MEDITECH can act as a client or server to the Other Vendor platform server.

As a client, the MEDITECH system must be supplied with the IP address of the remote system, along with a Well Known Port number on the remote system to which the MEDITECH system can open a TCP/IP connection.

MEDITECH will open a connection to the remote system, and the connection will remain open unless the interface is turned off on the MEDITECH system, or a close is initiated by the remote system. If a close is initiated by the remote system and the MEDITECH interface is not turned off, the MEDITECH system will attempt to open a connection once every 5 minutes. Once a connection is established between the two systems, message transfer may occur.

As a server, the MEDITECH system will wait until a request to open the connection is received, providing the MEDITECH interface is on. If a close is initiated by the remote system and the MEDITECH interface is not turned off, the MEDITECH interface will close the connection and wait until a request to open the connection is sent. If the MEDITECH interface is turned off, the MEDITECH system will send a close to the remote system, then shut down. If the MEDITECH interface is off, a request to open the connection may result in, no response, or a close.

Message transfer will be assumed to be initiated by the sender of messages, which will send an HL7 message and await to receive an HL7 Acknowledgement message.

HL7 MINIMAL PROTOCOL

The Minimal Lower Layer Protocol is described in section B.4 MINIMAL LOWER LAYER PROTOCOL of the Health Level Seven Version 2.x specification.

With this protocol, an HL7 data message is framed with a single character to start the data message and two characters to terminate the message. No other characters are added to the HL7 message.

The format of the transmission block is this:

                      <SB>ddddd<EB><CR>

Where:

 <SB> is the Start Block character, ASCII <VT>, decimal <11>, hex <0B>.

 ddd is the variable number of bytes representing the HL7 data message.

 <EB> is the End Block character, ASCII <FS>, decimal <28>, hex <1C>.

 <CR> is a Carriage Return Character, ASCII <CR>, decimal <13>, hex <0D>.

ACKNOWLEDGEMENT MESSAGES FOR NETWORK COMMUNICATIONS

With the HL7 Minimal Protocol, the sender of an HL7 message (such as an ADT, ORM, or ORU message) will send a message and expect to receive an acknowledgement message before sending another message. To indicate this in HL7 v2.x, the sender will put 'AL' in the Accept Acknowledgement Type field of the MSH segment. The Application Acknowledgement Type field will contain 'NE'.

If an acknowledgement message is not received within a specified period of time, then the sender will attempt to send the message again.

If MEDITECH is the sender of messages, MEDITECH will expect an acknowledgement message that contains the MESSAGE CONTROL ID of the message originally sent by MEDITECH. MEDITECH will not process any application level error messages, nor will it process any delayed acknowledgement messages.

If MEDITECH is the receiver of messages, MEDITECH will send an ACK General Acknowledgement message which contains the MESSAGE CONTROL ID of the message received by MEDITECH. MEDITECH will not send any application level error messages or any delayed acknowledgement messages. (ie, MEDITECH will treat all received messages as if the Accept Acknowledgement Type field contained 'AL' for always send accept acknowledgement, and the Application Acknowledgement Type field contained 'NE', for never send application acknowledgement).

General Message Format and Functionality

GENERAL MESSAGE FORMAT

Bed status update data will be passed from the OTHER VENDOR system in discrete
MESSAGES. A single message may contain multiple variable length data
transactions referred to as SEGMENTS. The number, type and content of the
segments in a given message will be determined based upon the type of message
being sent. Each segment will begin with a 3 character code known as the
Segment ID, followed by a number of fields which are delimited by the Field
Separator character (see Message Construction Rules).

Each segment will be terminated with a carriage return. Each message will be
terminated by a carriage return, which will follow the carriage return of the
last segment within the message.

An Acknowledgement Message will be expected for network interfaces employing
the HL7 Minimal Lower Layer Protocol.

ADT/ACK - Bed Status Update (Event A20)

HL7 Definition (Version 2.4)

3.3.20 ADT/ACK - Bed Status Update (Event A20)

Certain nursing/census applications need to be able to update the Patient
Administration systems bed status. The following is the associated record
layout:

```
ADT^A20^ADT_A20         ADT Message             Chapter

MSH                     Message Header          2
EVN                     Event Type              3
NPU                     Non-Patient Update      3


ACK^A20^ACK         General Acknowledgment     Chapter

MSH                     Message Header           2
MSA                     Message Acknowledgment   2
[ ERR ]                 Error                    2
```

Record Layouts Other Vendor Housekeeping System to MEDITECH Registration System

Message ADT   Segment MSH   Message Header

Seq	Item	HL7 Description	Req	Type	Len	MEDITECH Description	Req	Type	Len
1	MSH.1	Field separator	R	ST	1	Field separator	R	ST	1
2	MSH.2	Encoding Characters	R	ST	4	Encoding Characters	R	ST	4
3	00003	Sending Application	O	HD	180	Sending Application	O	HD	180
4	MSH.4	Sending Facility	O	HD	180	Sending Facility	O	HD	180
5	MSH.5	Receiving Application	O	HD	180	Receiving Application	O	HD	180
6	MSH.6	Receiving Facility	O	HD	180	Receiving Facility	O	HD	180
7	MSH.7	Date/Time of Message	R	TS	26	Date/Time of Message	R	TS	26
9	00009	Message Type	R	CM	13	Message Type	R	CM	13
10	MSH.10	Message Control ID	R	ST	20	Message Control ID	R	ST	20
11	MSH.11	Processing ID	R	PT	3	Processing ID	R	PT	3
12	MSH.12	Version ID	R	VID	60	Version ID	R	VID	60

```
Req  -  R = Required,  C = Conditionally Required,  O = Optional, NU = Not Supported
```

```
ADT Segment MSH will be formatted as follows:
```

```
MSH|^~\&|OV|OV|ADM|MT|201011151437||ADT^A20||D|2.4
```

```
The MSH segment defines the intent, source, destination, and some specifics of
the syntax of a message.
```

Message ADT   Segment EVN   Event Type

Seq	Item	HL7 Description	Req	Type	Len	MEDITECH Description	Req	Type	Len
1	EVN.1	Event Type Code	B	ID	3	Event Type Code	R	ID	3
2	00007	Recorded Date/Time	R	TS	26	Recorded Date/Time	R	TS	26
3	EVN.3	Date/Time Planned Event	O	TS	26	Date/Time Planned Event	O	TS	26
4	EVN.4	Event Reason Code	O	IS	3	Event Reason Code	O	IS	3
5	00008	Operator ID	O	XCN	250	Operator ID	R	XCN	250
6	EVN.6	Event Occurred	O	TS	26	Event Occurred	O	TS	26
7	EVN.7	Event Facility	O	HD	180	Event Facility	O	HD	180

Req - R = Required, C = Conditionally Required, O = Optional, NU = Not Supported

ADT Segment EVN will be formatted as follows:

EVN||201011161003|||1234

The EVN segment is used to communicate necessary trigger event information to
receiving applications. Valid event types for all chapters are contained in
HL7 Table 0003 - Event type.

Message ADT   Segment NPU   Non-Patient Update Segment

Seq	Item	HL7 Description	Req	Type	Len	MEDITECH Description	Req	Type	Len
1	NPU.1	Bed Location	R	PL	80	Bed Location	R	PL	80
2	NPU.2	Bed Status	O	IS	1	Bed Status	O	IS	1

Req - R = Required, C = Conditionally Required, O = Optional, NU = Not Supported

ADT Segment NPU will be formatted as follows:

NPU|1001|1

The NPU segment is used to communicate bed status updates. An example is
changing the status of a bed from "cleaning in process" to "clean."

Record Layouts MEDITECH Registration System to Other Vendor Housekeeping System

Message ADT   Segment MSH   Message Header

Seq	Item	HL7 Description	Req	Type	Len	MEDITECH Description	Req	Type	Len
1	MSH.1	Field separator	R	ST	1	Field separator	R	ST	1
2	MSH.2	Encoding Characters	R	ST	4	Encoding Characters	R	ST	4
3	00003	Sending Application	O	HD	180	Sending Application	O	HD	180
4	MSH.4	Sending Facility	O	HD	180	Sending Facility	O	HD	180
5	MSH.5	Receiving Application	O	HD	180	Receiving Application	O	HD	180
6	MSH.6	Receiving Facility	O	HD	180	Receiving Facility	O	HD	180
7	MSH.7	Date/Time of Message	R	TS	26	Date/Time of Message	R	TS	26
9	00009	Message Type	R	CM	13	Message Type	R	CM	13
10	MSH.10	Message Control ID	R	ST	20	Message Control ID	R	ST	20
11	MSH.11	Processing ID	R	PT	3	Processing ID	R	PT	3
12	MSH.12	Version ID	R	VID	60	Version ID	R	VID	60

```
Req  -  R = Required,  C = Conditionally Required,  O = Optional, NU = Not Supported
```

ADT Segment MSH will be formatted as follows:

```
MSH|^~\&|OV|OV|ADM|MT|20101116751||ADT^A20||D|2.4
```

```
The MSH segment defines the intent, source, destination, and some specifics of
the syntax of a message.
```

Message ADT   Segment MSA   Message Acknowledgment Segment

Seq	Item	HL7 Description	Req	Type	Len	MEDITECH Description	Req	Type	Len
1	00018	Acknowledgement Code	R	ID	2	Acknowledgement Code	R	ID	2
2	00010	Message Control ID	R	ST	20	Message Control ID	R	ST	20
3	MSA.3	Text Message	O	ST	80	Text Message	O	ST	80
5	MSA.5	Delayed Acknowledgment Type	B	ID	1	Delayed Acknowledgment Type	B	ID	1
6	MSA.6	Error Condition	O	CE	250	Error Condition	O	CE	250

Req - R = Required, C = Conditionally Required, O = Optional, NU = Not Supported

ADT Segment MSA will be formatted as follows:

MSA|AA|1234|Error Message||D|100

The MSA segment contains information sent while acknowledging another message.

Message ADT   Segment ERR   Error Segment

Seq	Item	HL7 Description	Req	Type	Len	MEDITECH Description	Req	Type	Len
1	ERR.1	Error Code and Location	R	CM	80	Error Code and Location	R	CM	80

Req - R = Required, C = Conditionally Required, O = Optional, NU = Not Supported

ADT Segment ERR will be formatted as follows:

ERR|Error Message

The ERR segment is used to add error comments to acknowledgment messages.

Appendix

Field Definitions

NOTE	HL7/MT	DESCRIPTION	LENGTH	TYPE
00003	HL7	Sending Application	180	HD
	MT	Sending Application	180	HD

HL7 standard description

Definition: This field uniquely identifies the sending application among all
other applications within the network enterprise. The network enterprise
consists of all those applications that participate in the ex-change of HL7
messages within the enterprise. Entirely site-defined. User-defined Table
0361-Sending/receiving application is used as the user-defined table of values
for the first component.
User-defined Table 0361 - Sending/receiving application
Value Description
 No suggested values defined
Note: By site agreement, implementors may continue to use User-defined Table
0300 - Namespace ID for the first component.

Used in Message Segments: ADT MSH, ADT MSH

00007	HL7	Recorded Date/Time	26	TS
	MT	Recorded Date/Time	26	TS

HL7 standard description

Most systems will default to the system date/time when the transaction was
entered, but they should also permit an override.

MEDITECH description

This date/time reflects when the user changed the bed status using the bedside
phone. The format of the date/time is YYYYMMDDHHMMSS.   For example October
18, 2006 at 9:30am and 20 seconds would be formatted as 20061018093020.

Used in Message Segment: ADT EVN

00008	HL7	Operator ID	250	XCN
	MT	Operator ID	250	XCN

HL7 standard description

This field identifies the individual responsible for triggering the event.
Refer to User-defined Table 0188 - Operator ID for suggested values.
User-defined Table 0188 - Operator ID Value Description No suggested values

defined

MEDITECH description

This code will map to the Meditech user ID in the ADM Customer Defined
Parameters. Two corresponding fields will map the MEDITECH user mnemonic with
a 4 digit numeric ID. The 4 digit numeric ID will be entered by the user for
identification when using the bedside phone to update the bed status. The code
will he passed through the interface to MEDITECH. The parameters will map the
code to the Meditech user mnemonic. The Meditech user mnemonic will display on
the Meditech audit and productivity reports.

Within the ADM parameters the four digit ID number cannot be entered more than
once so that every user within an ADM database will have a unique identifier.

If Meditech receives a user code that is not defined in the ADM parameters the
record will be rejected and the bed status will not be updated.

Upon reading the records from the OV, Meditech first checks the ADM facility
associated to the bed location in the record.   The Meditech code then confirms
that the user code in the record is defined in the ADM parameters for the same
ADM facility. If the user code is not defined for that ADM facility(ie it is
not defined at all or is defined under another ADM facility) then the record
will be rejected and the bed status will not update.

Used in Message Segment: ADT EVN

00009	HL7	Message Type	13	CM
	MT	Message Type	13	CM

HL7 standard description

Definition: This field contains the message type, trigger event, and the
message structure ID for the mes-sage.
The first component is the message type code defined by HL7 Table 0076 - Message
type. This table con-tains values such as ACK, ADT, ORM, ORU etc. See section
2.17.1 or Appendix A for complete listing.
The second component is the trigger event code defined by HL7 Table 0003 - Event
type. This table con-tains values like A01, O01, R01 etc. See section 2.17.2 or
Appendix A for a complete listing
The third component is the abstract message structure code defined by HL7 Table
0354 - Message struc-ture. This table has two columns. The first column
contains the value of this code, which describes a par-ticular HL7 "abstract
message structure definition" in terms of segments, as defined in sections 2.12,
"CHAPTER FORMATS FOR DEFINING HL7 MESSAGES" and 2.12.1, "HL7 abstract message
syntax example". The second column of table 0354 lists the various HL7 trigger
events that use the particular ab-stract message definition. For example, the
message structure code ADT_A01 describes the single abstract message structure
used by the trigger events A01, A04, A05, A08, A13, A14, A28 and A31. See
section 2.17.3 or Appendix A for a complete listing.
The receiving system uses this field to recognize the data segments, and
possibly, the application to which to route this message. For certain queries,
which may have more than a single response event type, the sec-ond component
may, in the response message, vary to indicate the response event type. See the
discussion of the display query variants in chapter 5. The second component is
not required on response or acknowl-edgment messages.

Used in Message Segments: ADT MSH, ADT MSH

```
00010        HL7      Message Control ID              20      ST
             MT       Message Control ID              20      ST
```

HL7 standard description

This field contains the message control ID of the message sent by the sending
system. It allows the sending system to associate this response with the
message for which it is intended.

Used in Message Segment: ADT MSA

```
00018        HL7      Acknowledgement Code            2       ID
             MT       Acknowledgement Code            2       ID
```

HL7 standard description

This field contains an acknowledgment code, see message processing
rules. Refer to HL7 Ta-ble 0008 - Acknowledgment code for valid values.
HL7 Table 0008 - Acknowledgment code
Value Description
AA Original mode: Application Accept - Enhanced mode: Application
acknowledgment: Accept
AE Original mode: Application Error - Enhanced mode: Application
acknowledgment:
Error
AR Original mode: Application Reject - Enhanced mode: Application
acknowledgment: Reject
CA Enhanced mode: Accept acknowledgment: Commit Accept
CE Enhanced mode: Accept acknowledgment: Commit Error
CR Enhanced mode: Accept acknowledgment: Commit Reject

Used in Message Segment: ADT MSA

```
ERR.1        HL7      Error Code and Location         80      CM
             MT       Error Code and Location         80      CM
```

HL7 standard description

Definition: This field identifies an erroneous segment in another message. The
second component is an in-dex if there is more than one segment of type
. For systems that do not use the HL7 Encod-ing Rules, the data item number
may be used for the third component. The fourth component (which refer-ences
HL7 Table 0357 - Message error condition codes, (as a CE data type)) is
restricted from having any subcomponents as the subcomponent separator is now
the CE's component separator.
Note: See section 2.16.8.6, MSA-6-error condition, for a listing of this
table.

Used in Message Segment: ADT ERR

```
EVN.1        HL7      Event Type Code                 3       ID
             MT       Event Type Code                 3       ID
```

HL7 standard description

This field has been retained for backward compatibility only. We recommend using the second component (trigger event) of MSH-9 - Message Type to transmit event type code information. This field contains the events corresponding to the trigger events described in this section, e.g., admission, transfer, or registration. Refer to HL7 Table 0003 - Event type for valid values.

Used in Message Segment: ADT EVN

EVN.3   HL7   Date/Time Planned Event   26   TS
              MT   Date/Time Planned Event   26   TS

HL7 standard description

This field contains the date/time that the event is planned. We recommend that PV2-8 - Expected Admit Date/Time, PV2-9 - Expected Discharge Date/Time or PV2-47 - Expected LOA Return date/time be used whenever possible.

Used in Message Segment: ADT EVN

EVN.4   HL7   Event Reason Code   3   IS
              MT   Event Reason Code   3   IS

HL7 standard description

This field contains the reason for this event. Refer to User-defined Table 0062 - Event reason for suggested values.

User-defined Table 0062 - Event reason Value Description

01 Patient request
02 Physician/health practitioner order
03 Census management

Used in Message Segment: ADT EVN

EVN.6   HL7   Event Occurred   26   TS
              MT   Event Occurred   26   TS

HL7 standard description

This field contains the date/time that the event actually occurred.

For example, on a transfer (A02 transfer a patient), this field would contain the date/time the patient was actually transferred. On a cancellation event, this field should contain the date/time that the event being cancelled occurred.

Used in Message Segment: ADT EVN

EVN.7   HL7   Event Facility   180   HD
              MT   Event Facility   180   HD

HL7 standard description

This field identifies the actual facility where the event occured as
differentiated from the sending facility (MSH-4). It would be the facility at
which the Operator (EVN-5) has entered the event. Use Case: System A is where
the patient is originally registered. This registration message is sent to an
MPI, System B. The MPI needs to broadcast the event of this update and would
become the sending facility. This new field would allow for retention of
knowledge of the originating facility where the event occurred. The MPI could
be the assigning authority for the ID number as well which means that it is
performing the function of assigning authority for the facility originating the
event.

Used in Message Segment: ADT_EVN

MSA.3   **HL7**   **Text Message**   **80**   **ST**
               MT   **Text Message**   **80**   **ST**

HL7 standard description

This optional field further describes an error condition. This text may be
printed in error logs or presented to an end user. Use of MSA-3-text message
and MSA-6-error condition are deprecated in favor of ERR-1-Error code and
location. The ERR segment allows for richer descriptions of the erroneous
conditions.

Used in Message Segment: ADT_MSA

MSA.5   **HL7**   **Delayed Acknowledgment Type**   **1**   **ID**
               MT   **Delayed Acknowledgment Type**   **1**   **ID**

HL7 standard description

This field has been retained for backward compatibility. This field is used
only as described above, in Section 2.13.2, "Application (level 7) processing
rules, deferred processing two phase reply (original acknowledgment mode
only)." Otherwise this field is not used.

HL7 Table 0102 - Delayed acknowledgment type Value Description

D Message received, stored for later processing
F acknowledgment after processing

Used in Message Segment: ADT_MSA

MSA.6   **HL7**   **Error Condition**   **250**   **CE**
               MT   **Error Condition**   **250**   **CE**

HL7 standard description

This field allows the acknowledging system to use a user-defined error code to
further specify AR or AE type acknowledgments. This field is a generalized
replacement for MSA-3-text message. Use of MSA-3-text message and MSA-6-error
condition are deprecated in favor of ERR-1-Error code and location. The ERR
segment allows for richer descriptions of the erroneous conditions.

The Message Error Condition codes are defined by HL7 Table 0357 - Message error

condition codes.

HL7 Table 0357 - Message error condition codes
Error Condition Code Error Condition Text Description/Comment

Success

0 Message accepted Success. Optional, as the AA conveys success. Used for
systems that must always return a status code.

Errors

100 Segment sequence error The message segments were not in the proper order,
or required segments are missing.

101 Required field missing A required field is missing from a segment

102 Data type error The field contained data of the wrong data type, e.g. an NM
field contained "FOO".

103 Table value not found A field of data type ID or IS was compared against
the corresponding table, and no match was found.

Rejection

200 Unsupported message type The Message Type is not supported.

201 Unsupported event code The Event Code is not supported.

202 Unsupported processing id The Processing ID is not supported.

203 Unsupported version id The Version ID is not supported.

204 Unknown key identifier The ID of the patient, order, etc., was not found.
Used for transactions other than additions, e.g. transfer of a non-existent
patient.

205 Duplicate key identifier The ID of the patient, order, etc., already
exists. Used in response to addition transactions (Admit, New Order, etc.).

206 Application record locked The transaction could not be performed at the
application storage level, e.g. database locked.

207 Application internal error A catchall for internal errors not explicitly
covered by other codes.

Used in Message Segment: ADT MSA

MSH.1	HL7	Field separator	1	ST
	MT	Field separator	1	ST

HL7 standard description

This field contains the separator between the segment ID and the first real
field, MSH-2-encoding characters. As such it serves as the separator and
defines the character to be used as a separator for the rest of the message.
Recommended value is |, (ASCII 124).

Used in Message Segments: ADT MSH, ADT MSH

MSH.10	HL7	Message Control ID		20	ST
	MT	Message Control ID		20	ST

HL7 standard description

Definition: This field contains a number or other identifier that uniquely identifies the message. The re-ceiving system echoes this ID back to the sending system in the Message acknowledgment segment (MSA).

Used in Message Segments: <u>ADT MSH</u>, <u>ADT MSH</u>

MSH.11	HL7	Processing ID		3	PT
	MT	Processing ID		3	PT

HL7 standard description

Definition: This field is used to decide whether to process the message as defined in HL7 Application (level 7) Processing rules. The first component defines whether the message is part of a production, train-ing, or debugging system (refer to HL7 Table 0103 - Processing ID for valid values). The second compo-nent defines whether the message is part of an archival process or an initial load (refer to HL7 Table 0207 - Processing mode for valid values). This allows different priorities to be given to different processing modes.
HL7 Table 0103 - Processing ID
Value Description
D Debugging
P Production
T Training
HL7 Table 0207 - Processing mode
Value Description
A Archive
R Restore from archive
I Initial load
T Current processing, transmitted at intervals (scheduled or on demand)
Not present Not present (the default, meaning current processing)

Used in Message Segments: <u>ADT MSH</u>, <u>ADT MSH</u>

MSH.12	HL7	Version ID		60	VID
	MT	Version ID		60	VID

HL7 standard description

Definition: This field is matched by the receiving system to its own version to be sure the message will be interpreted correctly. Beginning with Version 2.3.1, it has two additional "internationalization" components, for use by HL7 international affiliates. The <internationalization code> is CE data type (using the ISO country codes where appropriate) which represents the HL7 affiliate. The <internal version ID> is used if the HL7 Affiliate has more than a single 'local' version associated with a single US version. The <internal version ID> has a CE data type, since the table values vary for each HL7 Affiliate.
HL7 Table 0104 - Version ID
Value Description Date
2.0 Release 2.0 September 1988
2.0D Demo 2.0 October 1988
2.1 Release 2. 1 March 1990
2.2 Release 2.2 December 1994
2.3 Release 2.3 March 1997

2.3.1 Release 2.3.1 May 1999
2.4 Release 2.4 November 2000

Used in Message Segments: <u>ADT MSH</u>, <u>ADT MSH</u>

MSH.2   HL7   Encoding Characters   4   ST
**   MT   Encoding Characters   4   ST**

HL7 standard description

Definition: This field contains the four characters in the following order:
the component separator, repeti-tion separator, escape character, and
subcomponent separator. Recommended values are ^~\& (ASCII 94, 126, 92, and
38, respectively). See Section 2.8, "MESSAGE DELIMITERS."

Used in Message Segments: <u>ADT MSH</u>, <u>ADT MSH</u>

MSH.4   HL7   Sending Facility   180   HD
**   MT   Sending Facility   180   HD**

HL7 standard description

Definition: This field further describes the sending application, MSH-3-sending
application. With the promotion of this field to an HD data type, the usage has
been broadened to include not just the sending fa-cility but other
organizational entities such as a) the organizational entity responsible for
sending applica-tion; b) the responsible unit; c) a product or vendor's
identifier, etc. Entirely site-defined. User-defined Ta-ble 0362 -
Sending/receiving facility is used as the HL7 identifier for the user-defined
table of values for the first component.
User-defined Table 0362 - Sending/receiving facility
Value Description
 No suggested values defined
Note: By site agreement, implementers may continue to use User-defined Table
0300 - Namespace ID for the first component.

Used in Message Segments: <u>ADT MSH</u>, <u>ADT MSH</u>

MSH.5   HL7   Receiving Application   180   HD
**   MT   Receiving Application   180   HD**

HL7 standard description

Definition: This field uniquely identifies the receiving application among all
other applications within the network enterprise. The network enterprise
consists of all those applications that participate in the ex-change of HL7
messages within the enterprise. Entirely site-defined. User-defined Table
0361-Sending/receiving application is used as the HL7 identifier for the
user-defined table of values for the first component.
Note: By site agreement, implementers may continue to use User-defined Table
0300 - Namespace ID for the first component.

Used in Message Segments: <u>ADT MSH</u>, <u>ADT MSH</u>

| MSH.6 | HL7 | Receiving Facility | 180 | HD |
| | MT | Receiving Facility | 180 | HD |

HL7 standard description

Definition: This field identifies the receiving application among multiple
identical instances of the appli-cation running on behalf of different
organizations. User-defined Table 0362 - Sending/receiving facility is used as
the HL7 identifier for the user-defined table of values for the first component.
Entirely site-defined.
Note: By site agreement, implementers may continue to use User-defined Table
0300 - Namespace ID for the first component.

Used in Message Segments: ADT MSH, ADT MSH

| MSH.7 | HL7 | Date/Time of Message | 26 | TS |
| | MT | Date/Time of Message | 26 | TS |

HL7 standard description

Definition: This field contains the date/time that the sending system created
the message. If the time zone is specified, it will be used throughout the
message as the default time zone.
Note: This field was made required in version 2.4. Messages with versions
prior to 2.4 are not required to value this field. This usage supports
backward compatibility.

Used in Message Segments: ADT MSH, ADT MSH

| NPU.1 | HL7 | Bed Location | 80 | PL |
| | MT | Bed Location | 80 | PL |

HL7 standard description

This field contains the bed location that is a valid bed location.

MEDITECH description

This field will map to the Housekeeping Extension field in the MIS Room
Dictionary.   Each bed in a room can have an extension assigned.   The extension
must be unique. For hospitals in the same area code and exchange only the last
4 digits are required to keep the extensions unique. For hospitals in the same
area code but with different exchanges, a 7 digit number may be required to
keep the extensions unique. For hospitals that have multiple area codes, a 10
digit number may be required to keep the extension unique.

If Meditech receives a bed location that is not defined in the MIS Room
Dictionary, the record will be rejected and the bed status will not be
updated.

Used in Message Segment: ADT NPU

| NPU.2 | HL7 | Bed Status | 1 | IS |
| | MT | Bed Status | 1 | IS |

HL7 standard description

This field contains the bed status.   Refer to User-defined Table 0116 - Bed status for suggested values.

MEDITECH description

A value of 1 will set the status to cleaning in process. A value of 2 will set the status to clean. If a value other than 1 or 2 is received by Meditech, the record will be rejected and the bed status will not be updated.

Used in Message Segment: ADT NPU