

HL7 Conformance Profile

INBOUND MFN M04 - item numbers live sync

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About this Conformance Profile

Conformance profile MFN M04 Inbound from HIS

HL7Server5 - Release 5.9

This profile describes the MFN message structure that is used to specify the new MFN message event to support live sync for item numbers. The event type that is suggested to be used is the MFN_M04. This event is entitled for "Master files charge description". However, it can be used for this purpose in the context of the integration between the AGFA RIS solution and the integration platform..

History:

2012-09-20 - Creation - Cederic Missinne

Remarks:

Segments present in the message structure, but marked as -not supported- are allowed to be present in the message, but are not processed. The same counts for fields, components, subcomponents marked as not supported.

When messages are received via HL7 MLLP (socket) HL7Server5 processes the message before sending an acknowledgement message. HL7Server5 only supports original mode acknowledgements, enhanced acknowledgement protocol is not supported.

Please verify length attributes at the lowest level of detail if a field consists of components, subcomponents.

For more information on HL7 conformance profiles please consult HL7 ANSI standard chapter 2 and HL7 Implementation/Conformance Technical Committee documents at <http://www.hl7.org/special/committees/ictc/docs.cfm>

Conformance parameters

Message Profile

- HL7 Version: 2.4
- Profile Type: Constraining
- Topics: confsig-AGFA/QUADRAT-2.4-profile-accNE_accNE-Immediate

Encoding Method (s)

ER7, XML

Interaction 1

Dynamic Definition

- Accept Acknowledgement: NE
- Application Acknowledgement: NE
- Acknowledgement Mode: Immediate

Static Definition

- Event Description: MFN/MFK - item numbers live sync
- Message Type: MFN
- Trigger Event: M04
- Message Structure: MFN_M04
- Topics: confsig-AGFA/QUADRAT-2.4-static-MFN-M04-null-MFN_M04-5.9--Receiver

Message structure

MSH MFI { MFE CDM }

MSH - Message Header

- Usage: Required
- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Field Separator	ST		1	R	1..1	e.g.
2	Encoding Characters	ST		4	R	1..1	e.g. ^~\&
3	Sending Application	HD		227	R	1..1	
3.1	namespace ID	IS		50	R	..	e.g. HIS
4	Sending Facility	HD		227	O	0..1	
4.1	namespace ID	IS		50	O	..	e.g. FACILITY1
5	Receiving Application	HD	HL70361	227	O	0..1	
5.1	namespace ID	IS		64	O	..	e.g. AGFA
6	Receiving Facility	HD	HL70362	227	O	0..1	
6.1	namespace ID	IS		50	O	..	e.g. FACILITY1
7	Date/Time Of Message	TS		26	R	1..1	
7.1	Date/Time	NM		24	R	..	e.g. 200511070945
9	Message Type	CM_MSG	HL70076	15	R	1..1	
9.1	message type	ID	HL70076	3	R	..	e.g. MFN
9.2	trigger event	ID	HL70003	3	R	..	e.g. M04
10	Message Control ID	ST		20	R	1..1	e.g. 0000001
11	Processing ID	PT		3	R	1..1	
11.1	processing ID	ID	HL70103	3	R	..	e.g. P
12	Version ID	VID	HL70104	973	R	1..1	
12.1	version ID	ID	HL70104	60	R	..	e.g. 2.4
18	Character Set	ID	HL70211	16	O	0..*	e.g. 8859/1

1. Field Separator

Always Populated with "|"

2. Encoding Characters

Always Populated with "^~\&"

3. Sending Application

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 exchange of HL7 messages within the enterprise.

Entirely site-defined and a parameter for Agfa.

7. Date/Time Of Message

Populated with the date and time that the message was generated, century, year, month, day, hour, minute, second, millisecond and time zone offset are all present.

9. Message Type

Should be MFN_M04

10. Message Control ID

Populated with the message control identifier

11. Processing ID

Set to "P"

11.1. processing ID

No difference in processing by HL7SERVER5 if Production or Test

12. Version ID

Set to "2.4"

12.1. version ID

Versions supported by HL7SERVER5 are 2.2, 2.3, 2.3.1, 2.4

18. Character Set

Character set has to be a subset of the Windows ANSI codepage of the pc where HL7SERVER5 is running !

e.g. ISO 8859/1 on a windows 1252 code page UTF-8 is not supported !

MFI - Master File Identification

- Usage: Required

- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Master File Identifier	CE	HL70175	483	R	1..1	
1.1	identifier	ST		20	R	..	
1.2	text	ST		20	R	..	e.g. SKS Codes
1.3	name of coding system	IS	HL70396	1	O	..	
1.4	alternate identifier	ST		1	O	..	
1.5	alternate text	ST		1	O	..	
1.6	name of alternate coding system	IS	HL70396	1	O	..	
2	Master File Application Identifier	HD		227	O	0..1	
2.1	namespace ID	IS		30	R	..	e.g. HIS_MFN
2.2	universal ID	ST		1	O	..	
2.3	universal ID type	ID	HL70301	1	O	..	
3	File-Level Event Code	ID	HL70178	3	R	1..1	e.g. UPD
5	Effective Date/Time	TS		26	O	0..1	
5.1	Date/Time	NM		14	O	..	e.g. 200511070945
6	Response Level Code	ID	HL70179	3	O	0..1	e.g. NE

1.1. identifier

Identifier (ST) - Table 0175 - Master file identifier code

1.2. text

e.g. SKS Codes

2.1. namespace ID

e.g HIS

3. File-Level Event Code

Only "UPD" supported for the moment!

UPD - Change file records as defined in the record-level event codes for each record that follows

Below File-Level Event codes are NOT supported (only for informational purposes).

REP - Replace current version of this master file with the version contained in this message

If the file-level event code is "REP" (replace file), then each MFE segment must have a record-level event code of "MAD" (add record to master file).

5.1. Date/Time

Begin date for the validity period

Format: YYYYMMDDHHMM

6. Response Level Code

e.g. NE

Never. No application-level response needed

Segment group: MF LOCATION

- Usage: Required

- Cardinality:1..*

MFE - Master File Entry

- Usage: Required

- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Record-Level Event Code	ID	HL70180	3	R	1..1	e.g. MAD
3	Effective Date/Time	TS		26	R	1..1	
3.1	Date/Time	NM		14	R	..	e.g. 200511070945
4	Primary Key Value - MFE	VARIES		15	R	1..1	e.g. PHYS1
5	Primary Key Value Type	ID	HL70355	3	R	1..1	

1. Record-Level Event Code

Determines processing for the record:
insert, update, delete or deactivate

Supported codes:

MAC: reactivate

MAD: add

MDC: deactivate

MDL: delete

MUP: update

3. Effective Date/Time

Used for deactivate, delete, reactivate events.

3.1. Date/Time

End date for the validity period

Format: YYYYMMDDHHMM

Example: 200511070945

4. Primary Key Value - MFE

Required for HL7, but not used in HL7Server5. should be same as CDM.1

5. Primary Key Value Type

Required for HL7, but not used in HL7Server5.

CDM - Charge Description Master

- Usage: Required

- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Primary Key Value - CDM	CE	HL70132	483	R	1..1	
1.1	identifier	ST		1	R	..	
2	Charge Code Alias	CE	9999	483	R	1..2	
2.1	identifier	ST		20	R	..	e.g. PROCEDURES
3	Charge Description Short	ST		2000	R	1..1	

1.1. identifier

Unique code for the SKS code. This code is defined in the HIS system

2.1. identifier

CDM-2 (ChargeCodeAlias) contains a category that indicates if it is a primary or secondary code.

- "PROCEDURES" for primary codes

- "SUPPLEMENTCODES" for secondary codes

Please set the correct mapping in the settings:

1#PROCEDURES,2#SUPPLEMENTCODES

1 and 2 correspond to the "code"

Constants in "ITEM_NUMBER_CATEGORY" in the RIS environment.

3. Charge Description Short

Unique name for the SKS code. This name is defined in the HIS system

End of segment group MF_LOCATION