

Technical HL7 Conformance Profile

ENTERPRISE IMAGING

INBOUND MFN_M02

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Publication date:

10-2025

Publication number:

8.4.4 (technical)

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Message Profile

Conformance parameters

Message Profile

- HL7 Version: 2.3, 2.3.1, 2.4, 2.5
- Profile Type: HL7

Encoding Method

ER7

Interaction 1

Dynamic Definition

- Accept Acknowledgement: NE
- Application Acknowledgement: AL
- Acknowledgement Mode: Deferred

Static Definition

- Message Type: MFN
- Trigger Event: M02
- Message Structure: MFN_M02

Message structure

MSH MFI { MFE STF [PRA] }

MSH - Message Header

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Field Separator	R	1..1	ST		
2	Encoding Characters	R	1..1	ST		
3	Sending Application	O	0..1	HD	HL70361	
3.1	namespace ID	R	1..1	IS	HL70363	
4	Sending Facility	O	0..1	HD	HL70362	
4.1	namespace ID	R	1..1	IS	HL70363	
7	Date/Time Of Message	O	0..1	TS		
7.1	Date/Time	R	1..1	NM		e.g. 20040328134602+0600
9	Message Type	R	1..1	CM_MSC	HL70076	
9.1	message type	R	1..1	ID	HL70076	e.g. MFN
9.2	trigger event	R	1..1	ID	HL70003	e.g. M02
9.3	message structure	O	0..	ID	HL70354	e.g. MFN_M02
10	Message Control ID	R	1..1	ST		
12	Version ID	R	1..1	VID	HL70104	
12.1	version ID	R	1..1	ID	HL70104	e.g. 2.4
18	Character Set	O	0..1	ID	HL70211	

1. Field Separator

2. Encoding Characters

3. Sending Application

4. Sending Facility

7. Date/Time Of Message

7.1. Date/Time

YYYYMMDD[HH[MM[SS]]][+/-ZZZZ]

If timezone information is present, it is taken into account for all date/time fields in the message. If timezone information is present also in other datetime fields, it overrules the timezone information in this field.

9. Message Type

10. Message Control ID

12. Version ID

Supported versions: 2.3 - 2.3.1 - 2.4 - 2.5.

18. Character Set

MFI - Master File Identification

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Master File Identifier	R	1..1	CE		
1.1	identifier	R	1..1	ST	HL70175	
1.2	text	O	0..	ST		
3	File-Level Event Code	R	1..1	ID	HL70178	
6	Response Level Code	R	1..1	ID	HL70179	

1. Master File Identifier

1.1. identifier

Only values PRA/STF supported

3. File-Level Event Code

Only value UPD supported

6. Response Level Code

Only value NE supported

Segment group: MF STAFF

- Usage: Required
- Cardinality:1..*

MFE - Master File Entry

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Record-Level Event Code	R	1..1	ID	HL70180	
2	MFN Control ID	C	0..1	ST		
3	Effective Date/Time	O	0..*	TS		
3.1	Date/Time	R	1..1	NM		
4	Primary Key Value - MFE	R	1..*	*		
5	Primary Key Value Type	R	1..*	ID	HL70355	

1. Record-Level Event Code

Supported values:

- MAD: Add record to master file
- MDL: Delete record from master file
- MUP: Update record for master file
- MDC: Deactivate: discontinue using record in master file
- MAC: Reactivate deactivated record

2. MFN Control ID

3. Effective Date/Time

3.1. Date/Time

The date of the validate of the MFN Event

4. Primary Key Value - MFE

Same value as STF-1-1

5. Primary Key Value Type

Only value CE supported

STF - Staff Identification

- Usage: Required
- Cardinality:1..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
1	Primary Key Value - STF	R	1..1	CE		
1.1	identifier	R	1..1	ST		
1.3	name of coding system	O	0..	IS	HL70396	
2	Staff ID Code	O	0..2	CX		

Seq.	Name	Opt.	Card.	Type	Table	Contents
2.1	ID	R	1..1	ST		
2.4	assigning authority	O	0..	HD		
2.4.1	namespace ID	R	1..1	IS	HL70363	
3	Staff Name	O	0..*	XPN		
3.1	family name	O	0..	FN		
3.1.1	surname	O	0..	ST		
3.2	given name	O	0..	ST		
3.3	second and further given names or initials thereof	O	0..	ST		
3.4	suffix (e.g., JR or III)	O	0..	ST		
3.5	prefix (e.g., DR)	O	0..	ST		
4	Staff Type	O	0..1	IS	HL70182	
5	Administrative Sex	O	0..1	IS	HL70001	
8	Department	O	0..*	CE	HL70184	
8.1	identifier	R	1..1	ST		
8.3	name of coding system	O	0..	IS	HL70396	
9	Hospital Service	O	0..*	CE	HL70069	
9.1	identifier	R	1..1	ST		
9.3	name of coding system	O	0..	IS	HL70396	
10	Phone	O	0..1	XTN		
10.1	Telephone number	O	0..	TN		
10.2	telecommunication use code	R	1..1	ID	HL70201	
10.3	telecommunication equipment type (ID)	R	1..1	ID	HL70202	
10.4	Email address	O	0..	ST		
11	Office/Home Address	O	0..1	XAD		
11.1	street address (SAD)	O	0..	SAD		
11.1.1	street or mailing address	O	0..	ST		
11.1.2	street name	O	0..	ST		
11.1.3	dwelling number	O	0..	ST		
11.2	other designation	O	0..	ST		
11.3	city	O	0..	ST		
11.4	state or province	O	0..	ST		
11.5	zip or postal code	O	0..	ST		
11.6	country	O	0..	ID	HL70399	
11.7	address type	O	0..	ID	HL70190	
11.8	other geographic designation	O	0..	ST		
11.9	county/parish code	O	0..	IS	HL70289	

Seq.	Name	Opt.	Card.	Type	Table	Contents
12	Institution Activation Date	O	0..*	CM_DIN		
12.1	date	O	0..	TS		
12.1.1	Date/Time	R	1..1	NM		
13	Institution Inactivation Date	O	0..*	CM_DIN		
13.1	date	O	0..	TS		
13.1.1	Date/Time	R	1..1	NM		

1. Primary Key Value - STF

1.1. identifier

Primary doctor id Value equals value in MFE-4.

1.3. name of coding system

The Primary doctor id issuer (AA)

2. Staff ID Code

2.1. ID

The other doctor id

2.4.1. namespace ID

The other doctor id issuer (AA)

3. Staff Name

4. Staff Type

Used as professional-department relationship type. Default = EMPLOYEE

5. Administrative Sex

8. Department

Will be added as department relationship to the professional...

8.3. name of coding system

The department id issuer (AA)

9. Hospital Service

Will be used as the facility in the department-relationship

10. Phone

10.1. Telephone number

In case of telephone number/fax number/cellular number, the phone number is put in this field.
[(999)] 999-9999 [X99999][C any text]

10.2. telecommunication use code

If this is empty the communication cannot be registered. Supported are:

- Primary Residence Number (PRN)
- Work Number (WPN)
- Network (email) Address (NET)

10.3. telecommunication equipment type (ID)

If this is empty the communication cannot be registered. Supported are:

- Telephone (PH)
- Fax (FX)
- Cellular Phone (CP)
- Internet Address (Internet)

10.4. Email address

In case of Network Email Address, this needs to be filled in

11. Office/Home Address**11.1. street address (SAD)**

This component specifies the street or mailing address of a person or institution.

11.1.1. street or mailing address

communication_channel.Street (if STF-11.1.2 is empty)

11.1.2. street name

communication_channel.Street

11.1.3. dwelling number

communication_channel.Streetnr

11.2. other designation

communication_channel.Address_Line1

11.3. city

municipality.name (if empty: Unknown is used)

11.4. state or province

communication_channel.Address_Line3

11.5. zip or postal code

municipality.zip (if empty: code UKW is used - mapping to name = Unknown)

11.6. country

communication_channel.country (3-digit code, if empty: code UKW - mapping to name = Unknown)

11.7. address type

communication_channel.communication_type (H - for home address / O - for office address / L maps to O / other codes map to H)

11.8. other geographic designation

communication_channel.Address_Line2

11.9. county/parish code

communication_channel.Address_Line4

12. Institution Activation Date

Begin date of the professional/department relationship

13. Institution Inactivation Date

End date of the professional/department relationship

PRA - Practitioner Detail

- Usage: Optional

- Cardinality:0..1

Seq.	Name	Opt.	Card.	Type	Table	Contents
3	Practitioner Category	O	0..*	IS	HL70186	
7	Privileges	O	0..*	CM_PIP		
7.1	privilege	O	0..	CE		
7.1.1	identifier	R	1..1	ST		
9	Institution	O	0..*	CE		
9.1	identifier	R	1..1	ST		
9.2	text	O	0..	ST		
9.3	name of coding system	O	0..	IS	HL70396	

3. Practitioner Category

Corresponds with professional position in EI.

Possible values:

- RAD / PHYSICIAN
- PHYS / PHYSICIAN
- TECH / TECHNOLOGIST
- TRANS / TRANSCRIPTIONIST
- SYSADM / SYSTEM ADMINISTRATOR
- MAN / MANAGER
- AGFA / AGFA SERVICE
- REC / RECEPTIONIST

If another value is present in this field this will not be added as a position of the professional.

7. Privileges

7.1.1. identifier

Supported value(s): INTERNAL, INT

9. Institution

Will be used if STF-9 is empty

End of segment group MF_STAFF