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# HL7 Conformance Profile

# **(R)IS INBOUND MFN M09**

# **Exams QPlanner**

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**Corporate address:**

AGFA HealthCare  
SEPTESTAAT 27  
B-2640 MORTSEL  
BELGIUM  
+32(3)4448400

## About this Conformance Profile

Fields that are not marked "in use" can be present in the hl7 message but will be ignored by HL7Server5

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: 2.5
- Profile Type: HL7
- Topics: confsig-AGFA/QUADRAT-2.5-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 - Test/observation (categorical) master file
- Message Type: MFN
- Trigger Event: M09
- Message Structure: MFN\_M09
- Topics: confsig-AGFA/QUADRAT-2.5-static-MFN-M09-null-MFN\_M09---Receiver

### Message structure

MSH MFI { MFE OM1 OM7 }

### 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	HL70361	227	R	1..1	
3.1	namespace ID	IS		20	R	..	e.g. HIS
3.2	universal ID	ST		199	O	..	
3.3	universal ID type	ID	HL70301	6	O	..	
4	Sending Facility	HD	HL70362	227	O	0..1	
4.1	namespace ID	IS		20	O	..	e.g. FACILITY1
4.2	universal ID	ST		199	C	..	
4.3	universal ID type	ID	HL70301	6	O	..	
5	Receiving Application	HD		227	O	0..1	
5.1	namespace ID	IS		20	O	..	e.g. RIS
5.2	universal ID	ST		199	O	..	
5.3	universal ID type	ID	HL70301	6	O	..	
6	Receiving Facility	HD		227	O	0..1	
6.1	namespace ID	IS		20	O	..	e.g. FACILITY1
6.2	universal ID	ST		199	O	..	
6.3	universal ID type	ID	HL70301	6	O	..	
7	Date/Time Of Message	TS		26	R	1..1	
7.1	time	DTM		24	R	..	e.g. 20050823090716
8	Security	ST		40	O	0..1	
9	Message Type	MSG		15	R	1..1	
9.1	message code	ID	HL70076	3	R	..	e.g. MFN
9.2	trigger event	ID	HL70003	3	R	..	e.g. M09
9.3	message structure	ID		7	O	..	
10	Message Control ID	ST		20	R	1..1	e.g. 0000001

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
11	Processing ID	PT		3	R	1..1	
11.1	processing ID	ID	HL70103	1	O	..	e.g. P
11.2	processing mode	ID	HL70207	1	O	..	
12	Version ID	VID		973	R	1..1	
12.1	version ID	ID	HL70104	5	R	..	e.g. 2.5
12.2	internationalization code	CE	HL70399	483	O	..	
12.2.1	identifier	ST		20	O	..	
12.2.2	text	ST		199	O	..	
12.2.3	name of coding system	ID	HL70396	20	O	..	
12.2.4	alternate identifier	ST		20	O	..	
12.2.5	alternate text	ST		199	O	..	
12.2.6	name of alternate coding system	ID	HL70396	20	O	..	
12.3	international version ID	CE		483	O	..	
12.3.1	identifier	ST		20	O	..	
12.3.2	text	ST		199	O	..	
12.3.3	name of coding system	ID	HL70396	20	O	..	
12.3.4	alternate identifier	ST		20	O	..	
12.3.5	alternate text	ST		199	O	..	
12.3.6	name of alternate coding system	ID	HL70396	20	O	..	
13	Sequence Number	NM		15	O	0..1	
14	Continuation Pointer	ST		180	O	0..1	
15	Accept Acknowledgment Type	ID	HL70155	2	O	0..1	
16	Application Acknowledgment Type	ID	HL70155	2	O	0..1	
17	Country Code	ID	HL70399	3	O	0..1	
18	Character Set	ID	HL70211	16	O	0..*	e.g. 8859/1
19	Principal Language Of Message	CE		483	O	0..1	
19.1	identifier	ST		20	O	..	
19.2	text	ST		199	O	..	
19.3	name of coding system	ID	HL70396	20	O	..	
19.4	alternate identifier	ST		20	O	..	
19.5	alternate text	ST		199	O	..	
19.6	name of alternate coding system	ID	HL70396	20	O	..	
20	Alternate Character Set Handling Scheme	ID	HL70356	20	O	0..1	
21	Message Profile Identifier	EI		427	O	0..*	
21.1	entity identifier	ST		199	O	..	
21.2	namespace ID	IS	HL70363	20	O	..	
21.3	universal ID	ST		199	C	..	
21.4	universal ID type	ID	HL70301	6	C	..	

### 3.1. namespace ID

HL7\_COMMUNICATION.HL7COM\_APPLICATION

### 4.1. namespace ID

HL7\_COMMUNICATION.HL7COM\_FACILITY

### 7.1. time

time zone is expected to be local timezone

### 18. Character Set

charset should correspond to the active windows codepage (e.g. 8859/1 maps to windows 1252)

## 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		199	O	..	
1.3	name of coding system	ID	HL70396	20	O	..	
1.4	alternate identifier	ST		20	O	..	
1.5	alternate text	ST		199	O	..	
1.6	name of alternate coding system	ID	HL70396	20	O	..	
2	Master File Application Identifier	HD	HL70361	227	O	0..1	
2.1	namespace ID	IS	HL70300	20	O	..	e.g. HIS
2.2	universal ID	ST		199	O	..	
2.3	universal ID type	ID	HL70301	6	O	..	
3	File-Level Event Code	ID	HL70178	3	R	1..1	e.g. UPD
4	Entered Date/Time	TS		26	O	0..1	
4.1	time	DTM		24	O	..	e.g. 20050823090716
5	Effective Date/Time	TS		26	O	0..1	
5.1	time	DTM		24	O	..	e.g. 20050823090716
6	Response Level Code	ID	HL70179	2	R	1..1	e.g. NE

### 3. File-Level Event Code

Only UPD is supported!

### 4.1. time

timezone is expected to be local timezone

### 6. Response Level Code

Only NE is supported

## Segment group: QPlanner Exams

- 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	
2	MFN Control ID	ST		20	C	0..1	
3	Effective Date/Time	TS		26	C	0..1	
3.1	Date/Time	NM		1	O	..	e.g.

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
							20040328134602.1234+0600
4	Primary Key Value - MFE	*		200	O	0..*	
5	Primary Key Value Type	ID	HL70355	3	R	1..1	

### 1. Record-Level Event Code

MAD = Adds an exam

MUP = Adds or updates an exam

MDC = Sets the inactive date from the field MFE.3

MAC = Sets the inactive date to NULL

### 3. Effective Date/Time

If this field is empty and MFE.1 is MDC then MSH.7 will be used.

#### 3.1. Date/Time

YYYYMMDD[HHMM[SS[.SSSS]]][+/-ZZZZ]

### 5. Primary Key Value Type

Always CE

## OM1 - General Segment

- Usage: Required

- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Sequence Number - Test/ Observation Master File	NM		4	R	1..1	
2	Producer's Service/Test/Observation ID	CE	9999	483	R	1..1	
2.1	identifier	ST		1	R	..	
2.2	text	ST		3	O	..	
2.3	name of coding system	IS	HL70396	3	O	..	
2.4	alternate identifier	ST		3	O	..	
2.5	alternate text	ST		3	O	..	
2.6	name of alternate coding system	IS	HL70396	3	O	..	
3	Permitted Data Types	ID	HL70125	12	O	0..*	
5	Producer ID	CE	9999	483	R	1..1	
5.1	identifier	ST		1	R	..	
5.2	text	ST		3	O	..	
5.3	name of coding system	IS	HL70396	3	O	..	
5.4	alternate identifier	ST		3	O	..	
5.5	alternate text	ST		3	O	..	
5.6	name of alternate coding system	IS	HL70396	3	O	..	
6	Observation Description	TX		200	O	0..1	
7	Other Service/Test/Observation IDs for the Observation	CE	9999	483	O	0..1	
7.1	identifier	ST		1	O	..	
7.2	text	ST		3	O	..	
7.3	name of coding system	IS	HL70396	3	O	..	
7.4	alternate identifier	ST		3	O	..	
7.5	alternate text	ST		3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
7.6	name of alternate coding system	IS	HL70396	3	O	..	
9	Preferred Report Name for the Observation	ST		30	C	0..1	
12	Orderability	ID	HL70136	1	R	1..1	
47	Modality Of Imaging Measurement	CE	HL70259	483	R	1..1	
47.1	identifier	ST		1	R	..	
47.2	text	ST		3	O	..	
47.3	name of coding system	IS	HL70396	3	O	..	
47.4	alternate identifier	ST		3	O	..	
47.5	alternate text	ST		3	O	..	
47.6	name of alternate coding system	IS	HL70396	3	O	..	

### 2.1. identifier

Exam code

### 2.2. text

Exam description

### 5.1. identifier

Service/department code (HIS CODE!)

### 7.1. identifier

Nom Imprim\_ in QPlanner

### 12. Orderability

Default = Y

### 47.1. identifier

The exam group code to which the exam belongs

## **OM7 - Additional Basic Attributes**

- Usage: Required

- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
3	Category Identifier	CE	HL70412	483	R	1..2	
3.1	identifier	ST		1	R	..	
3.2	text	ST		3	O	..	
3.3	name of coding system	IS	HL70396	3	O	..	
3.4	alternate identifier	ST		3	O	..	
3.5	alternate text	ST		3	O	..	
3.6	name of alternate coding system	IS	HL70396	3	O	..	
8	Test/Service Default Duration Quantity	NM		5	O	0..1	

### 3.1. identifier

Code of exam type

(If not filled the default exam type will be selected)

### 8. Test/Service Default Duration Quantity

If not filled a default of 5 minutes will be inserted.

Format: HH:MM

ex: 00:45

***End of segment group QPlanner Exams***