AGFA HEALTHCARE
HL7 Conformance Statement

→ IMPAX RIS 6.0.0

Document No. 001461  Revision: 1.0
Livelink NodeID: 43872787

When printed, this is NOT a controlled copy
Document Information

| Service-related contact information worldwide | All service-related contact information is available on this URL → | http://www.agfahealthcare.com/global/en/main/contact/index.jsp |

Issued by:
Agfa HealthCare
SIV Connectivity
Septestraat 27
B-2640 Mortsel
Belgium

tel: +32 3 444 75 88
e-mail: connectivity@agfa.com

Agfa shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this publication. Agfa reserves the right to revise this publication and to make changes to its content at any time, without obligation to notify any person or entity of such revisions and changes. This publication may only be used in connection with the promotion, sales, installation and use of Agfa equipment by Agfa personnel.

Copyright © January, 14
Agfa HealthCare
All rights reserved
# Table of Contents

1 Introduction .................................................................4

1.1 Revision Record ..........................................................4
1.2 Purpose and Intended Audience of this Document ..................4
1.3 Version overview .......................................................4
1.4 Acronyms and Abbreviations .......................................5
1.5 Related Documents .....................................................5

2 Inbound Messages ..........................................................6

2.1 Supported Trigger Events .............................................6
2.1.1 Supported ADT Events .............................................6
2.1.2 Supported MDM Events ............................................7
2.1.3 Supported MFN Events ............................................7
2.1.4 Supported ORM Events ............................................7
2.1.5 Supported ORR Events ............................................8
2.1.6 Supported ORU Events ............................................8
2.1.7 Supported OUL Events ............................................8
2.1.8 Supported SIU Events .............................................8

3 Outbound Messages .........................................................9

3.1 Supported Trigger Events .............................................9
3.1.1 Supported ADT Events .............................................9
3.1.2 Supported ORM Events ............................................9
3.1.3 Supported ORU Events ............................................9
3.1.4 Supported SIU Events .............................................10
3.1.5 Supported DFT Events .............................................10

4 Queries ..............................................................11

4.1 Query ..............................................................11
4.1.1 Supported Query events ........................................11
1 INTRODUCTION

1.1 Revision Record

<table>
<thead>
<tr>
<th>Revision Number</th>
<th>Date</th>
<th>Reason for Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>January, 2014</td>
<td>Initial version</td>
</tr>
</tbody>
</table>

1.2 Purpose and Intended Audience of this Document

This document is an HL7 Conformance Statement for the HL7 Services of IMPAX RIS 6.0.0.

The user of this document is involved with system integration and/or software design. We assume that the reader is familiar with the terminology and concepts that are used in the HL7 standard and the IHE Technical Framework.

Readers not familiar with HL7 terminology should first read the appropriate parts of the HL7 standard itself, prior to reading this conformance statement.

Although the use of this conformance statement in conjunction with the HL7 standard is intended to facilitate communication with IMPAX RIS 6.0.0, it is not sufficient to guarantee, by itself, the inter-operation of the connection between IMPAX RIS 6.0.0 and the 3rd party HL7-based system.

To help this integration validation we provide HL7 xml and pdf Conformance profiles bundled together in a zip file “001462_IMPAX RIS interface version 6.0.0 HL7 conformance profiles” on http://www.agfahealthcare.com/hl7.

The integration of any device into a system of interconnected devices goes beyond the scope of the HL7 standard and this conformance statement when interoperability is desired. The responsibility for analyzing the applications requirements and developing a solution that integrates the Agfa equipment with other vendors’ systems is the user’s responsibility and should not be underestimated.

1.3 Version overview

Table 1 provides an overview of the compatibility of RIS versions with Interface versions. This Conformance statement applies only for the interface version 6.0.0.

As of release 5.9 IMPAX RIS and Connectivity version have the same version number and are released together with a 1-on-1 compatibility constraint.

<table>
<thead>
<tr>
<th>RIS version</th>
<th>Connectivity Version</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2005.3.4</td>
</tr>
<tr>
<td>Mediweb 6.1.3</td>
<td>X</td>
</tr>
<tr>
<td>5.7 (incl. I-Plan 6.3-6.4)</td>
<td>X</td>
</tr>
<tr>
<td>5.8 (incl. I-Plan 6.3-6.4)</td>
<td></td>
</tr>
<tr>
<td>5.8.1 (incl. I-Plan 6.3-6.4)</td>
<td></td>
</tr>
<tr>
<td>5.9 (incl. I-Plan 6.5)</td>
<td></td>
</tr>
<tr>
<td>6.0.0</td>
<td></td>
</tr>
</tbody>
</table>
1.4 **Acronyms and Abbreviations**

Definitions, terms and abbreviations used in this document, many of which are defined within the HL7 standard. Abbreviations and terms are as follows:

- **ADT** Admission, Discharge, and Transfer message
- **AL1** Patient Allergy Information segment
- **EVN** Event Type segment
- **HL7** Health Level 7
- **IHE** Integrating the Healthcare Enterprise
- **MRG** Merge Patient Information segment
- **MSH** Message Header segment
- **NTE** Notes and comments segment
- **OBR** Observation Request segment
- **OBX** Observation/Result segment
- **ORC** Common Order segment
- **ORM** Order Request message
- **ORU** Observation Results - Unsolicited message
- **PID** Patient ID segment
- **PV1** Patient Visit segment
- **QRD** Query Definition segment
- **RIS** Radiology Information System

1.5 **Related Documents**

- HL7 Standard, see [www.hl7.org](http://www.hl7.org)
- IHE Radiology Technical Framework Revision 10.0 – Final Text, February, 2011 – see [www.ihe.net](http://www.ihe.net)
# INBOUND MESSAGES

## Supported Trigger Events

### Supported ADT Events

For more information about the processed segments and segment mappings, refer to the document specified in the ‘Conformance profile document’ column.

<table>
<thead>
<tr>
<th>Func Area</th>
<th>Event Code</th>
<th>ADT Trigger Event</th>
<th>Conformance profile document</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADT</td>
<td>A01</td>
<td>Admit/Visit notification</td>
<td>(R)IS INBOUND ADT A01.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A02</td>
<td>Transfer a patient</td>
<td>(R)IS INBOUND ADT A02.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A03</td>
<td>Discharge/End visit</td>
<td>(R)IS INBOUND ADT A03.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A04</td>
<td>Register a patient</td>
<td>(R)IS INBOUND ADT A04.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A05</td>
<td>Pre-admit a patient</td>
<td>(R)IS INBOUND ADT A05.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A06</td>
<td>Change an outpatient to an inpatient</td>
<td>(R)IS INBOUND ADT A06.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A07</td>
<td>Change an inpatient to an outpatient</td>
<td>(R)IS INBOUND ADT A07.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A08</td>
<td>Update patient information</td>
<td>(R)IS INBOUND ADT A08.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A09</td>
<td>Patient Departing - Tracking</td>
<td>(R)IS INBOUND ADT A09.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A11</td>
<td>Cancel admit/visit notification</td>
<td>(R)IS INBOUND ADT A11.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A12</td>
<td>Cancel transfer</td>
<td>(R)IS INBOUND ADT A12.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A13</td>
<td>Cancel discharge/end visit</td>
<td>(R)IS INBOUND ADT A13.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A17</td>
<td>Swap patients</td>
<td>(R)IS INBOUND ADT A17.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A21</td>
<td>Leave of absence</td>
<td>(R)IS INBOUND ADT A21.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A22</td>
<td>Patient returns from a leave of absence</td>
<td>(R)IS INBOUND ADT A22.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A23</td>
<td>Delete a patient record</td>
<td>(R)IS INBOUND ADT A23.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A24</td>
<td>Link patient information</td>
<td>(R)IS INBOUND ADT A24.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A28</td>
<td>Add person or patient information</td>
<td>(R)IS INBOUND ADT A28.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A31</td>
<td>Update person information</td>
<td>(R)IS INBOUND ADT A31.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A33</td>
<td>Cancel patient departing - tracking</td>
<td>(R)IS INBOUND ADT A33.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A37</td>
<td>Unlink patient information</td>
<td>(R)IS INBOUND ADT A37.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A38</td>
<td>Cancel pre-admit</td>
<td>(R)IS INBOUND ADT A38.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A40</td>
<td>Merge patient - patient identifier list</td>
<td>(R)IS INBOUND ADT A40.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A41</td>
<td>Merge account - patient account number</td>
<td>(R)IS INBOUND ADT A41.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A42</td>
<td>Merge visit - visit number</td>
<td>(R)IS INBOUND ADT A42.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A44</td>
<td>Move account information - patient account number</td>
<td>(R)IS INBOUND ADT A44.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A45</td>
<td>Move visit information - visit number</td>
<td>(R)IS INBOUND ADT A45.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A47</td>
<td>Change patient identifier list</td>
<td>(R)IS INBOUND ADT A47.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A50</td>
<td>Change visit number</td>
<td>(R)IS INBOUND ADT A50.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A52</td>
<td>Cancel leave of absence for a patient</td>
<td>(R)IS INBOUND ADT A52.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A53</td>
<td>Cancel patient returns from a leave of absence</td>
<td>(R)IS INBOUND ADT A53.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A54</td>
<td>Change attending doctor</td>
<td>(R)IS INBOUND ADT A54.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A55</td>
<td>Cancel change attending doctor</td>
<td>(R)IS INBOUND ADT A55.pdf</td>
</tr>
</tbody>
</table>
2.1.2 Supported MDM Events

For more information about the processed segments and segment mappings, refer to the document specified in the ‘Conformance profile document’ column.

Table 3 Supported MDM Events

<table>
<thead>
<tr>
<th>Func Area</th>
<th>Event Code</th>
<th>SIU Trigger Event</th>
<th>Conformance profile document</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDM</td>
<td>T01</td>
<td>Original Document Notification</td>
<td>(R)IS INBOUND MDM T01.pdf</td>
</tr>
</tbody>
</table>

2.1.3 Supported MFN Events

For more information about the processed segments and segment mappings, refer to the document specified in the ‘Conformance profile document’ column.

Table 4 Supported MFN Events

<table>
<thead>
<tr>
<th>Func Area</th>
<th>Event Code</th>
<th>MFN Trigger Event</th>
<th>Conformance profile document</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFN</td>
<td>M02</td>
<td>Master file - Staff/Practitioner</td>
<td>(R)IS INBOUND MFN M02.pdf</td>
</tr>
<tr>
<td>MFN</td>
<td>M04</td>
<td>Item numbers live sync</td>
<td>(R)IS INBOUND MFN M04 ITEM NUMBERS LIVE SYNC.pdf</td>
</tr>
<tr>
<td>MFN</td>
<td>M05</td>
<td>Location master file - Departments</td>
<td>(R)IS INBOUND MFN M05 Department.pdf</td>
</tr>
<tr>
<td>MFN</td>
<td>M05</td>
<td>Location master file - Facilities</td>
<td>(R)IS INBOUND MFN M05 Hospital.pdf</td>
</tr>
<tr>
<td>MFN</td>
<td>M08</td>
<td>Test / Observation (numeric) Master File</td>
<td>(R)IS INBOUND MFN M08 Omalab Mediweb.pdf</td>
</tr>
<tr>
<td>MFN</td>
<td>M09</td>
<td>Test / Observation (categorical) Master File</td>
<td>(R)IS INBOUND MFN M09 Exams QPlanner.pdf</td>
</tr>
<tr>
<td>MFN</td>
<td>M13</td>
<td>Master file notification - general</td>
<td>(R)IS INBOUND MFN M13 Exam groups QPlanner.pdf</td>
</tr>
<tr>
<td>MFN</td>
<td>M14</td>
<td>Master file Insurances</td>
<td>(R)IS INBOUND MFN M14 INSURANCES.pdf</td>
</tr>
</tbody>
</table>

2.1.4 Supported ORM Events

For more information about the processed segments and other details, refer to the document specified in the ‘Conformance profile document’ column.

Table 5 Supported ORM Events

<table>
<thead>
<tr>
<th>Func Area</th>
<th>Event Code</th>
<th>ORM Trigger Event</th>
<th>Conformance profile document</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORM</td>
<td>O01</td>
<td>General order message</td>
<td>(R)IS INBOUND ORM O01.pdf</td>
</tr>
</tbody>
</table>
2.1.5 Supported ORR Events

For more information about the processed segments and other details, refer to the document specified in the ‘Conformance profile document’ column.

Table 6 Supported ORR Events

<table>
<thead>
<tr>
<th>Func Area</th>
<th>Event Code</th>
<th>ORR Trigger Event</th>
<th>Conformance profile document</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORR</td>
<td>O02</td>
<td>Order Response</td>
<td>(R)IS INBOUND ORR O02.pdf</td>
</tr>
</tbody>
</table>

2.1.6 Supported ORU Events

For more information about the processed segments and segment mappings, refer to the document specified in the ‘Conformance profile document’ column.

Table 7 Supported ORU Events

<table>
<thead>
<tr>
<th>Func Area</th>
<th>Event Code</th>
<th>ORU Trigger Event</th>
<th>Conformance profile document</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORU</td>
<td>R01</td>
<td>Unsolicited transmission of an Observation Message</td>
<td>(R)IS INBOUND ORU LAB R01 Medifile.pdf</td>
</tr>
<tr>
<td>ORU</td>
<td>R01</td>
<td>Unsolicited transmission of an Observation Message</td>
<td>(R)IS INBOUND ORU LAB R01 Mediweb.pdf</td>
</tr>
<tr>
<td>ORU</td>
<td>R01</td>
<td>Unsolicited transmission of an Observation Message</td>
<td>(R)IS INBOUND ORU REP R01 3rd PARTY REPORTING SYSTEMS.pdf</td>
</tr>
</tbody>
</table>

2.1.7 Supported OUL Events

For more information about the processed segments and segment mappings, refer to the document specified in the ‘Conformance profile document’ column.

Table 8 Supported OUL Events

<table>
<thead>
<tr>
<th>Func Area</th>
<th>Event Code</th>
<th>OUL Trigger Event</th>
<th>Conformance profile document</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUL</td>
<td>R21</td>
<td>Unsolicited Observation Message</td>
<td>(R)IS INBOUND OUL LAB R21 Mediweb.pdf</td>
</tr>
<tr>
<td>OUL</td>
<td>R22</td>
<td>Unsolicited Observation Message</td>
<td>(R)IS INBOUND OUL LAB R22 Mediweb.pdf</td>
</tr>
<tr>
<td>OUL</td>
<td>R24</td>
<td>Unsolicited Observation Message</td>
<td>(R)IS INBOUND OUL LAB R24 Mediweb.pdf</td>
</tr>
</tbody>
</table>

2.1.8 Supported SIU Events

For more information about the processed segments and segment mappings, refer to the document specified in the ‘Conformance profile document’ column.

Table 9 Supported SIU Events

<table>
<thead>
<tr>
<th>Func Area</th>
<th>Event Code</th>
<th>SIU Trigger Event</th>
<th>Conformance profile document</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIU</td>
<td>S12</td>
<td>Notification of new appointment booking</td>
<td>(R)IS INBOUND SIU S12.pdf</td>
</tr>
<tr>
<td>SIU</td>
<td>S13</td>
<td>Notification of appointment rescheduling</td>
<td>(R)IS INBOUND SIU S13.pdf</td>
</tr>
<tr>
<td>SIU</td>
<td>S14</td>
<td>Notification of appointment modification</td>
<td>(R)IS INBOUND SIU S14.pdf</td>
</tr>
<tr>
<td>SIU</td>
<td>S15</td>
<td>Notification of appointment cancellation</td>
<td>(R)IS INBOUND SIU S15.pdf</td>
</tr>
</tbody>
</table>
3 OUTBOUND MESSAGES

3.1 Supported Trigger Events

3.1.1 Supported ADT Events

For more information about the processed segments and segment mappings, refer to the document specified in the ‘Conformance profile document’ column.

Table 10 Supported ADT Events

<table>
<thead>
<tr>
<th>Func Area</th>
<th>Event Code</th>
<th>ADT Trigger Event</th>
<th>Conformance profile document</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADT</td>
<td>A02 &amp; A03</td>
<td>Transfer a patient</td>
<td>(R)IS OUTBOUND ADT A02 &amp; A03 HL7PACS.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A04 &amp; A08</td>
<td>Register a patient / Update patient information</td>
<td>(R)IS OUTBOUND ADT A04 &amp; A08 HL7PACS.pdf</td>
</tr>
<tr>
<td>ADT</td>
<td>A40</td>
<td>Merge patient - patient identifier list</td>
<td>(R)IS OUTBOUND ADT A40 HL7PACS.pdf</td>
</tr>
</tbody>
</table>

3.1.2 Supported ORM Events

For more information about the processed segments and segment mappings, refer to the document specified in the ‘Conformance profile document’ column.

Table 11 Supported ORM Events

<table>
<thead>
<tr>
<th>Func Area</th>
<th>Event Code</th>
<th>ORM Trigger Event</th>
<th>Conformance profile document</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORM</td>
<td>O01</td>
<td>Order message – HL7PACS</td>
<td>(R)IS OUTBOUND ORM O01 HL7PACS.pdf</td>
</tr>
<tr>
<td>ORM</td>
<td>O01</td>
<td>General order message</td>
<td>(R)IS OUTBOUND ORM O01.pdf</td>
</tr>
</tbody>
</table>

3.1.3 Supported ORU Events

For more information about the processed segments and segment mappings, refer to the document specified in the ‘Conformance profile document’ column.

Table 12 Supported ORU Events

<table>
<thead>
<tr>
<th>Func Area</th>
<th>Event Code</th>
<th>ORU Trigger Event</th>
<th>Conformance profile document</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORU</td>
<td>R01</td>
<td>Unsolicited Observation Message</td>
<td>(R)IS OUTBOUND ORU R01 Pairs.pdf</td>
</tr>
<tr>
<td>ORU</td>
<td>R01</td>
<td>Unsolicited Observation Message</td>
<td>(R)IS OUTBOUND ORU R01.pdf</td>
</tr>
</tbody>
</table>
3.1.4 Supported SIU Events

For more information about the processed segments and segment mappings, refer to the document specified in the 'Conformance profile document' column.

Table 13 Supported SIU Events

<table>
<thead>
<tr>
<th>Func Area</th>
<th>Event Code</th>
<th>SIU Trigger Event</th>
<th>Conformance profile document</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIU</td>
<td>S12</td>
<td>New appointment booking</td>
<td>(R)IS OUTBOUND SIU S12.pdf</td>
</tr>
<tr>
<td>SIU</td>
<td>S13</td>
<td>Appointment rescheduling</td>
<td>(R)IS OUTBOUND SIU S13.pdf</td>
</tr>
<tr>
<td>SIU</td>
<td>S14</td>
<td>Appointment modification</td>
<td>(R)IS OUTBOUND SIU S14.pdf</td>
</tr>
<tr>
<td>SIU</td>
<td>S15</td>
<td>Appointment cancellation</td>
<td>(R)IS OUTBOUND SIU S15.pdf</td>
</tr>
</tbody>
</table>

3.1.5 Supported DFT Events

For more information about the processed segments and segment mappings, refer to the document specified in the 'Conformance profile document' column.

Table 14 Supported DFT Events

<table>
<thead>
<tr>
<th>Func Area</th>
<th>Event Code</th>
<th>DFT Trigger Event</th>
<th>Conformance profile document</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFT</td>
<td>P03</td>
<td>Post Detail Financial Transaction</td>
<td>(R)IS OUTBOUND DFT P03 Billing.pdf</td>
</tr>
<tr>
<td>DFT</td>
<td>P03</td>
<td>Post Detail Financial Transaction</td>
<td>(R)IS OUTBOUND US Billing-DFT_P03 .pdf</td>
</tr>
</tbody>
</table>
4 QUERIES

4.1 Query

4.1.1 Supported Query events

For more information about the processed segments and segment mappings, refer to the document specified in the ‘Conformance profile document’ column.

<table>
<thead>
<tr>
<th>Func Area</th>
<th>Event Code</th>
<th>QRY Trigger Event</th>
<th>Conformance profile document</th>
</tr>
</thead>
<tbody>
<tr>
<td>QBP</td>
<td>Q22</td>
<td>Find candidates</td>
<td>(R)IS QUERY MPI - QBP Q22.pdf</td>
</tr>
</tbody>
</table>