



Software Solutions

HL7 Interface Inbound Schedule (SIU) Specifications

ec² Software Solutions

Follow the rules. Exceed the standard

This document presents the HL7 Interface functionality designed to transfer patient schedule and demographic data from the RIS/HIS system to NMIS (Nuclear Medicine Information System).

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SIU Messages from RIS to NMIS

1. Introduction

This document presents the HL7 Interface functionality designed to transfer patient schedule and demographic data from the RIS/HIS system to NMIS (Nuclear Medicine Information System).

2. SIU Specifications

Field Name	Mandatory for NMIS	Suggested position in SIU^O01
Patient Name	Y	PID 5
Patient Address	N	PID 11
Phone 1	N	PID 13
Phone 2	N	PID 14
Religion	N	PID 17
Marital status	N	PID 16
Sex	Y	PID 8
Birth Date	Y	PID 7
Patient MR #	Y	PID 3
Patient Status	N	PV1 2
Room Floor	N	PV1 3
Doctor1	N	PV1 8
Doctor2	N	PV1 7
Refer Name	N	PV1 8
Tech	N	SCH 20
Exam	Y	SCH 7 e.g.NUC0049^BONE SCAN
Exam Date Time	Y	SCH 11.4
Weight	N	SCH 26.1
Weight Units	N	SCH 26.1
Height	N	SCH 27.2
Height Units	N	SCH 27.2
Comment	N	NTE 3.1
Additional Comment	N	NTE 3.2

2.1 Fields required to populate NMIS Scheduler Screen

Field Name	Mandatory for NMIS	Suggested position in SIU^O01
Accession #	Y	SCH 2.1

2.2 Fields transferred for interface's internal use

SIU Messages from RIS to NMIS

3. HL7 Enterprise Version

For the HL7 enterprise interface version (interface with multiple NMIS sites), this message will be sent to a site based on a routine token in the message.

4. Sample Messages

NMIS Scheduler – New Schedule
SIU^S12

```
MSHI^~\&ISCIISCI^^^INMISIWOW0^^^I20060731052121IISIU^S12I797EC135-8CDE-  
49baPI2.3I512305I  
SCHII1295400^SCIIIIIII  
BN^BONEAREAIOP|29.00IMin|^|^20060804134500IIII|^G2LA55276094SecU|IIIIIIII1295400^SCIIBOOK  
ED  
PIDI1II000000393707II TESTPATIENT^ONE^A^^II19320601000001IMIIWI333 6505 3RD AVE-  
NUE^^DELTA^NJ^08846I039I(732)111-2222IIIMINONII371305038I  
PV1IIOPNM^^^SPHIIII3802^Doc^Test^VI683^Doc2-test^PII |IIIIIIIIII  
DG1I1II^780.79I780.79IIAI
```

NMIS Scheduler – Update Schedule
SIU^S14

```
MSHI^~\&ISCIISCI^^^INMISIWOW0^^^I20060731052121IISIU^S14I797EC135-8CDE-  
49baPI2.3I512305I  
SCHII1295400^SCIIIIIII  
BN^BONEAREAIOP|29.00IMin|^|^20060804134500IIII|^G2LA55276094SecU|IIIIIIII1295400^SCIIBOOK  
ED  
PIDI1II000000393707II TESTPATIENT^ONE^A^^II19320601000001IMIIWI333 6505 3RD AVE-  
NUE^^DELTA^NJ^08846I039I(732)111-2222IIIMINONII371305038I  
PV1IIOPNM^^^SPHIIII3802^Doc^Test^VI683^Doc2-test^PII |IIIIIIIIII  
DG1I1II^780.79I780.79IIAI
```

NMIS Scheduler – Delete Schedule
SIU^S15

```
MSHI^~\&ISCIISCI^^^INMISIWOW0^^^I20060731052121IISIU^S15I797EC135-8CDE-  
49baPI2.3I512305I  
SCHII1295400^SCIIIIIII  
BN^BONEAREAIOP|29.00IMin|^|^20060804134500IIII|^G2LA55276094SecU|IIIIIIII1295400^SCIIBOOK  
ED  
PIDI1II000000393707II TESTPATIENT^ONE^A^^II19320601000001IMIIWI333 6505 3RD AVE-  
NUE^^DELTA^NJ^08846I039I(732)111-2222IIIMINONII371305038I  
PV1IIOPNM^^^SPHIIII3802^Doc^Test^VI683^Doc2-test^PII |IIIIIIIIII  
DG1I1II^780.79I780.79IIAI
```

5. Change in field mapping

Our interface engine is designed to work with variety of SIU messages. However, if your out-bound HL7 engine's specifications do not match with ours, chances are, we can easily accommodate any field mapping changes from our side as our HL7 engine is highly configurable.