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DRAFT

Integrating the Healthcare Enterprise (IHE)
Pre-Connectathon Testing

Patient Identity Cross Reference (PIX) and Patient Discovery Query (PDQ) Test Tool User's Guide Supplement

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1.0 OVERVIEW

This is a supplement to the NIST PIX/PDQ Pre-Connection Test Tool. This document contains test messages and the validation context files. The validation context files contain the list of assestions not captured the general conformance testing mechanisms.

2.0 SUPPORT FILES

2.1 HL7 V2 Messages

2.1.1 TEST CASE 10501: PIX QUERY CASE 1 AND CASE 2

Message Type	Message
Acknowledge Patient Add: Number 1	MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST|20090810140837| |ACK^A04^ACK|NIST-090810140837273|P|2.3.1 MSA|AA|Flame-990001|
Acknowledge Patient Add: Number 2	MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST|20090810140842| |ACK^A04^ACK|NIST-090810140842899|P|2.3.1 MSA|AA|NIST-090810140838539|
Acknowledge Patient Add: Number 3	MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST|20090810140848| |ACK^A04^ACK|NIST-090810140848555|P|2.3.1 MSA|AA|NIST-090810140844164|

Acknowledge Validation Content: All	```<?xml version="1.0" encoding="UTF-8" ?>```
	```- <n1:HL7V2MessageValidationContextDefinition xmlns:n1="http://www.nist.gov/hl7/core/xmlbeans/validation/message">```
	```- <FailureInterpretation>```
	``` <MessageFailure Type="VERSION" Level="ERROR" />```
	``` <MessageFailure Type="LENGTH" Level="IGNORE" />```
	``` <MessageFailure Type="DATATYPE" Level="ERROR" />```
	``` <MessageFailure Type="MESSAGE_STRUCTURE" Level="ERROR" />```
	``` <MessageFailure Type="MESSAGE_STRUCTURE_ID" Level="ERROR" />```
	``` <MessageFailure Type="DATA" Level="ERROR" />```
	``` <MessageFailure Type="MESSAGE_VALIDATION_CONTEXT" Level="USER" />```
	``` </FailureInterpretation>```
	```- <MessageInstanceSpecificValues>```
	```- <!--```
	``` MSH.11.1```
	``` -->```
	```- <!--```
	``` <DataValueLocationItem>```
	``` <Location>```
	``` <Segment Name="MSH">```
	``` <Field Position="11">```
	``` <Component Position="1">```
	``` </Component>```
	``` </Field>```
	``` </Segment>```
	``` </Location>```
	``` <Value><PlainText>P</PlainText></Value>```
	``` </DataValueLocationItem>```
	``` -->```

Message Type	Message

	- `<!--`
	`MSA.1`
	`-->`
	- `<DataValueLocationItem>`
	- `<Location>`
	- `<Segment Name="MSA">`
	`<Field Position="1" />`
	`</Segment>`
	`</Location>`
	- `<Value>`
	`<PlainText>AA</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`</MessageInstanceSpecificValues>`
	`</n1:HL7V2MessageValidationContextDefinition>`

Patient Add: Number 1	`MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST|2009081`
	`0141748||ADT^A04^ADT_A01|Flame-990001|P|2.3.1`
	`EVN|A04|20090810`
	`PID|||PIX10501^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||ALPHA^AL`
	`AN|Barnes|19781208|M|||820 JORIE BLVD^^New York`
	`City^NY^10503||(112)555-1234|(112)555-6789|||||153-12-5432`
	`PV1||V`

Patient Add: Number 2	`MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST|2009081`
	`0141755||ADT^A04^ADT_A01|NIST-090810141751293|1|2.3.1`
	`EVN|A04|20090810`
	`PID|||XYZ10501^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO^PI||ALPHA^ALA`
	`N|Barnes|19781208|M|||820 JORIE BLVD^^New York`
	`City^NY^10503||(112)555-1234|(112)555-6789||||||153-12-5432`
	`PV1||V`

Patient Add: Number 3	`MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST|2009081`
	`0141800||ADT^A04^ADT_A01|NIST-090810141756903|1|2.3.1`
	`EVN|A04|20090810`
	`PID|||ABC10501^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||SIMPSON^`
	`CARL|AMSTRONG|19781209|M|||820 OREL BLVD^^CHICAGO^IL^60523||(312)555-`
	`1234|(312)555-6789||||||163-12-5432`
	`PV1||V`

PIX Query: Number 1	`MSH|^~\&|NIST_Hydra_PIX_Consumer|NIST|NIST_Swan_PIX_Manager|NIST|20090`
	`730114101||QBP^Q23^QBP_Q21|NIST-090730114100989|D|2.5`
	`QPD|IHE PIX`
	`QUERY|QRY1248968460880|PIX10501^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1`
	`&ISO|XYZ10501^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO`
	`RCP|I`

PIX Query: Number 2	`MSH|^~\&|NIST_Hydra_PIX_Consumer|NIST|NIST_Swan_PIX_Manager|NIST|20090`
	`526133934||QBP^Q23^QBP_Q21|NIST-090526133933407|D|2.5`
	`QPD|IHE PIX`
	`QUERY|QRY1243359573282|ABC10501^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1`
	`&ISO^PI|text^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO`
	`RCP|I`

PIX Query Response: Number	`MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Hydra_PIX_Consumer|NIST|20090` `728151928||RSP^K23^RSP_K23|NIST-`

Message Type	Message

1	`090728151927498|P|2.5|||||||||124.3.11.62382.03`
	`MSA|AA|NIST-090728151926716`
	`QAK|QRY1248808766638|OK`
	`QPD|IHE PIX`
	`QUERY|QRY1248808766638|PIX10501^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1`
	`&ISO|XYZ10501^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO`
	`PID|||XYZ10501^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO^PI||~^^^^^^S`

PIX Query Response: Number 2	`MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Hydra_PIX_Consumer|NIST|20090`
	`526133935||RSP^K23^RSP_K23|NIST-`
	`090526133935407|P|2.5|||||||||124.3.11.62382.03`
	`MSA|AA|NIST-090526133933407`
	`QAK|QRY1243359573282|NF`
	`QPD|IHE PIX`
	`QUERY|QRY1243359573282|ABC10501^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1`
	`&ISO^PI|text^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO`

PIX Query Response Validation Context: Number 1	`<?xml version="1.0" encoding="UTF-8" ?>`
	`- <n1:HL7V2MessageValidationContextDefinition xmlns:n1="http://www.nist.gov/hl7/core/xmlbeans/validation/message">`
	`- <FailureInterpretation>`
	`<MessageFailure Type="VERSION" Level="ERROR" />`
	`<MessageFailure Type="LENGTH" Level="IGNORE" />`
	`<MessageFailure Type="DATATYPE" Level="ERROR" />`
	`<MessageFailure Type="MESSAGE_STRUCTURE" Level="ERROR" />`
	`<MessageFailure Type="MESSAGE_STRUCTURE_ID" Level="ERROR" />`
	`<MessageFailure Type="DATA" Level="ERROR" />`
	`<MessageFailure Type="MESSAGE_VALIDATION_CONTEXT" Level="USER" />`
	`</FailureInterpretation>`
	`- <MessageInstanceSpecificValues>`
	`- <!--`
	`PIX Manager RSP K23`
	`-->`
	`- <!--`
	`MSH 9.2`
	`-->`
	`- <DataValueLocationItem>`
	`- <Location>`
	`- <Segment Name="MSH">`
	`- <Field Position="9">`
	`<Component Position="2" />`
	`</Field>`
	`</Segment>`
	`</Location>`
	`- <Value>`
	`<PlainText>K23</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`- <!--`
	`MSH 9.3`

Message Type	Message

```
-->
- <DataValueLocationItem>
- <Location>
- <Segment Name="MSH">
- <Field Position="9">
  <Component Position="3" />
  </Field>
  </Segment>
  </Location>
- <Value>
  <PlainText>RSP_K23</PlainText>
  </Value>
  </DataValueLocationItem>
- <!--
PID 3.1
  -->
- <DataValueLocationItem>
- <Location>
- <Segment Name="PID">
- <Field Position="3">
  <Component Position="1" />
  </Field>
  </Segment>
  </Location>
- <Value>
  <PlainText>XYZ10501</PlainText>
  </Value>
  </DataValueLocationItem>
- <!--
PID 3.4.1
  -->
- <DataValueLocationItem>
- <Location>
- <Segment Name="PID">
- <Field Position="3">
- <Component Position="4">
  <SubComponent Position="1" />
  </Component>
  </Field>
  </Segment>
  </Location>
- <Value>
  <PlainText>XREF2005</PlainText>
  </Value>
  </DataValueLocationItem>
- <!--
PID 3.4.2
  -->
- <DataValueLocationItem>
```

Message Type	Message

```
- <Location>
- <Segment Name="PID">
- <Field Position="3">
- <Component Position="4">
  <SubComponent Position="2" />
  </Component>
  </Field>
  </Segment>
  </Location>
- <Value>
  <PlainText>1.3.6.1.4.1.21367.2005.1.2</PlainText>
  </Value>
  </DataValueLocationItem>
- <!--
PID 3.4.3
  -->
- <DataValueLocationItem>
- <Location>
- <Segment Name="PID">
- <Field Position="3">
- <Component Position="4">
  <SubComponent Position="3" />
  </Component>
  </Field>
  </Segment>
  </Location>
- <Value>
  <PlainText>ISO</PlainText>
  </Value>
  </DataValueLocationItem>
- <!--
PID 5.7
  -->
- <DataValueLocationItem>
- <Location>
- <Segment Name="PID">
- <Field Position="5">
  <Component Position="7" />
  </Field>
  </Segment>
  </Location>
- <Value>
  <PlainText>S</PlainText>
  </Value>
  </DataValueLocationItem>
- <!--
MSA 1
  -->
- <DataValueLocationItem>
```

Message Type	Message
	- <Location> - <Segment Name="**MSA**"> <Field Position="**1**" /> </Segment> </Location> - <Value> <PlainText>**AA**</PlainText> </Value> </DataValueLocationItem> - <!-- QAK 2 --> - <DataValueLocationItem> - <Location> - <Segment Name="**QAK**"> <Field Position="**2**" /> </Segment> </Location> - <Value> <PlainText>**OK**</PlainText> </Value> </DataValueLocationItem> </MessageInstanceSpecificValues> </n1:HL7V2MessageValidationContextDefinition>
PIX Query Response Validation Context: Number 2	<?xml version="1.0" encoding="UTF-8" ?> - <n1:HL7V2MessageValidationContextDefinition xmlns:n1="**http://www.nist.gov/hl7/core/xmlbeans/validation/message**"> - <FailureInterpretation> <MessageFailure Type="**VERSION**" Level="**ERROR**" /> <MessageFailure Type="**LENGTH**" Level="**IGNORE**" /> <MessageFailure Type="**DATATYPE**" Level="**ERROR**" /> <MessageFailure Type="**MESSAGE_STRUCTURE**" Level="**ERROR**" /> <MessageFailure Type="**MESSAGE_STRUCTURE_ID**" Level="**ERROR**" /> <MessageFailure Type="**DATA**" Level="**ERROR**" /> <MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**" Level="**USER**" /> </FailureInterpretation> - <MessageInstanceSpecificValues> - <!-- PIX Manager RSP K23 --> - <!-- MSH 9.1 --> - <DataValueLocationItem> - <Location> - <Segment Name="**MSH**"> - <Field Position="**9**">

Message Type	Message
	`<Component Position="1" />`
	`</Field>`
	``
	`</Location>`
	`<Value>`
	`<PlainText>RSP</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`<!--`
	`MSH 9.2`
	`-->`
	`<DataValueLocationItem>`
	`<Location>`
	`<Segment Name="MSH">`
	`<Field Position="9">`
	`<Component Position="2" />`
	`</Field>`
	`</Segment>`
	`</Location>`
	`<Value>`
	`<PlainText>K23</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`<!--`
	`MSH 9.3`
	`-->`
	`<DataValueLocationItem>`
	`<Location>`
	`<Segment Name="MSH">`
	`<Field Position="9">`
	`<Component Position="3" />`
	`</Field>`
	`</Segment>`
	`</Location>`
	`<Value>`
	`<PlainText>RSP_K23</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`<!--`
	`MSA 1`
	`-->`
	`<DataValueLocationItem>`
	`<Location>`
	`<Segment Name="MSA">`
	`<Field Position="1" />`
	`</Segment>`
	`</Location>`
	`<Value>`
	`<PlainText>AA</PlainText>`

Message Type	Message
	</Value>
	</DataValueLocationItem>
	- <!--
	QAK 2
	-->
	- <DataValueLocationItem>
	- <Location>
	- <Segment Name="**QAK**">
	<Field Position="**2**" />
	</Segment>
	</Location>
	- <Value>
	<PlainText>**NF**</PlainText>
	</Value>
	</DataValueLocationItem>
	</MessageInstanceSpecificValues>
	</n1:HL7V2MessageValidationContextDefinition>

2.1.2 TEST CASE 10502: PIX QUERY CASE 3

Message Type	Message
Acknowledge Patient Add: Number 1	MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST| 200942731650||ACK^A04^ACK|12434334316500|P|2.3.1||||||||||| MSA|AA|NIST-090527101025712||
Acknowledge Patient Add: Number 2	MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST| 200942736416||ACK^A04^ACK|12434334364161|P|2.3.1||||||||||| MSA|AA|NIST-090527101031978||
Acknowledge Validation Content: All	:?xml version="1.0" encoding="UTF-8" ?> n1:HL7V2MessageValidationContextDefinition xmlns:n1="**http://www.nist.gov/hl7/core/xmlbeans/validation/message**"> FailureInterpretation> MessageFailure Type="**VERSION**" Level="**ERROR**" /> MessageFailure Type="**LENGTH**" Level="**IGNORE**" /> MessageFailure Type="**DATATYPE**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_STRUCTURE**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_STRUCTURE_ID**" Level="**ERROR**" /> MessageFailure Type="**DATA**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**" Level="**USER**" /> </FailureInterpretation> MessageInstanceSpecificValues> <!-- MSH.11.1 --> <!--

Message Type	Message
	``` <DataValueLocationItem> <Location> <Segment Name="MSH"> <Field Position="11"> <Component Position="1"> </Component> </Field> </Segment> </Location> <Value><PlainText>P</PlainText></Value> </DataValueLocationItem> --> <!-- MSA.1 --> DataValueLocationItem> Location> Segment Name="MSA"> Field Position="1" /> </Location> Value> PlainText>AA</PlainText> </Value> </DataValueLocationItem> </MessageInstanceSpecificValues> </n1:HL7V2MessageValidationContextDefinition> ```
Patient Add: Number 1	``` MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST| 20090527101029||ADT^A04^ADT_A01|NIST-090527101025712|1|2.3.1 EVN|A04|20090527 PID|||PIX10502^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||B ETA^BETTY|BRAYAN|19781208|F|||820 JORIE BLVD^^CHICAGO^IL^60523||(312)555-1234|(312)555-6789|||||163-12- 5432 PV1||V ```
Patient Add: Number 2	``` MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST| 20090527101035||ADT^A04^ADT_A01|NIST-090527101031978|1|2.3.1 EVN|A04|20090527 PID|||XYZ10502^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||C ROSS^KEN|SMITH|19781209|M|||820 OREL BLVD^^CHICAGO^IL^60523||(312)555-1234|(312)555-6789|||||163-12- 5432 PV1||V ```
PIX Query	``` MSH|^~\&|NIST_Hydra_PIX_Consumer|NIST|NIST_Swan_PIX_Manager|NIS T|20090527102956||QBP^Q23^QBP_Q21|NIST-090527102956719|D|2.5 QPD|IHE PIX QUERY|QRY1243434596641|XX10502^^^HIMSS2005&1.3.6.1.4.1.21367.20 05.1.1&ISO RCP|I ```
PIX Query	``` MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Hydra_PIX_Consumer|NIS ```

Message Type	Message

Response	`T|20090527102958||RSP^K23^RSP_K23|NIST-`
	`090527102958219|P|2.5||||||||||124.3.11.62382.03`
	`MSA|AE|NIST-090527102956719|Invalid patient`
	`ERR|QPD^1^3|QPD^1^3^1^1|204|W`
	`QAK|QRY1243434596641|AE`
	`QPD|IHE PIX`
	`QUERY|QRY1243434596641|XX10502^^^HIMSS2005&1.3.6.1.4.1.21367.20`
	`05.1.1&ISO`

PIX Query Response Validation Context	:?xml version="1.0" encoding="UTF-8" ?> n1:HL7V2MessageValidationContextDefinition xmlns:n1="**http://www.nist.gov/hl7/core/xmlbeans/validation/message**"> FailureInterpretation> MessageFailure Type="**VERSION**" Level="**ERROR**" /> MessageFailure Type="**LENGTH**" Level="**IGNORE**" /> MessageFailure Type="**DATATYPE**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_STRUCTURE**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_STRUCTURE_ID**" Level="**ERROR**" /> MessageFailure Type="**DATA**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**" Level="**USER**" /> </FailureInterpretation> MessageInstanceSpecificValues> <!-- PIX Manager RSP K23 --> <!-- MSH 9.1 --> DataValueLocationItem> Location> Segment Name="**MSH**"> Field Position="**9**"> Component Position="**1**" /> </Field> </Location> Value> PlainText>**RSP**</PlainText> </Value> </DataValueLocationItem> <!-- MSH 9.2 --> DataValueLocationItem> Location> Segment Name="**MSH**"> Field Position="**9**">

Message Type	Message
	Component Position="2" />
	</Field>
	</Location>
	Value>
	PlainText>K23</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	MSH 9.3
	-->
	DataValueLocationItem>
	Location>
	Segment Name="MSH">
	Field Position="9">
	Component Position="3" />
	</Field>
	</Location>
	Value>
	PlainText>RSP_K23</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	MSA 1
	-->
	DataValueLocationItem>
	Location>
	Segment Name="MSA">
	Field Position="1" />
	</Location>
	Value>
	PlainText>AE</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	QAK 2
	-->
	DataValueLocationItem>
	Location>
	Segment Name="QAK">
	Field Position="2" />
	</Location>
	Value>
	PlainText>AE</PlainText>

Message Type	Message

```
                    </Value>
                  </DataValueLocationItem>
                  <!--
ERR.1.1
                  -->
                  DataValueLocationItem>
                  Location>
                  Segment Name="ERR">
                  Field Position="1">
                  Component Position="1" />
                  </Field>
                  </Location>
                  Value>
                  PlainText>QPD</PlainText>
                  </Value>
                  </DataValueLocationItem>
                  <!--
ERR.1.2
                  -->
                  DataValueLocationItem>
                  Location>
                  Segment Name="ERR">
                  Field Position="1">
                  Component Position="2" />
                  </Field>
                  </Location>
                  Value>
                  PlainText>1</PlainText>
                  </Value>
                  </DataValueLocationItem>
                  <!--
ERR.1.3
                  -->
                  DataValueLocationItem>
                  Location>
                  Segment Name="ERR">
                  Field Position="1">
                  Component Position="3" />
                  </Field>
                  </Location>
                  Value>
                  PlainText>3</PlainText>
                  </Value>
                  </DataValueLocationItem>
                  <!--
```

Message Type	Message

```
ERR 2.1
-->
DataValueLocationItem>
Location>
Segment Name="ERR">
Field Position="2">
Component Position="1" />
</Field>
</Location>
Value>
PlainText>QPD</PlainText>
</Value>
</DataValueLocationItem>
<!--
ERR 2.2
-->
DataValueLocationItem>
Location>
Segment Name="ERR">
Field Position="2">
Component Position="2" />
</Field>
</Location>
Value>
PlainText>1</PlainText>
</Value>
</DataValueLocationItem>
<!--
ERR 2.3
-->
DataValueLocationItem>
Location>
Segment Name="ERR">
Field Position="2">
Component Position="3" />
</Field>
</Location>
Value>
PlainText>3</PlainText>
</Value>
</DataValueLocationItem>
<!--
ERR 2.4
-->
DataValueLocationItem>
```

Message Type	Message
	Location>
	Segment Name="**ERR**">
	Field Position="**2**">
	Component Position="**4**" />
	</Field>
	</Location>
	Value>
	PlainText>**1**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	ERR 2.5
	-->
	DataValueLocationItem>
	Location>
	Segment Name="**ERR**">
	Field Position="**2**">
	Component Position="**5**" />
	</Field>
	</Location>
	Value>
	PlainText>**1**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	ERR 3.1
	-->
	DataValueLocationItem>
	Location>
	Segment Name="**ERR**">
	Field Position="**3**">
	Component Position="**1**" />
	</Field>
	</Location>
	Value>
	PlainText>**204**</PlainText>
	</Value>
	</DataValueLocationItem>
	</MessageInstanceSpecificValues>
	</n1:HL7V2MessageValidationContextDefinition>

2.1.3 TEST CASE 10503: PIX QUERY CASE 4

Message Type	Message

PIX Query Case	`MSH|^~\&|NIST_Hydra_PIX_Consumer|NIST|NIST_Swan_PIX_Manager|NIST|20090527111441||QBP^Q23^QBP_Q21|NIST-090527111440914|D|2.5`
	`QPD|IHE PIX`
	`QUERY|QRY1243437280836|ABC10503^^^XXXX&1.3.6.1.4.1.21367.2005.3.3333&ISO`
	`RCP|I`

PIX Query Response	`MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Hydra_PIX_Consumer|NIST|20090527111442||RSP^K23^RSP_K23|NIST-090527111442320|P|2.5|||||||||124.3.11.62382.03`
	`MSA|AE|NIST-090527111440914|Invalid assigning authority`
	`ERR|QPD^1^3|QPD^1^3^1^4|204|W`
	`QAK|QRY1243437280836|AE`
	`QPD|IHE PIX`
	`QUERY|QRY1243437280836|ABC10503^^^XXXX&1.3.6.1.4.1.21367.2005.3.3333&ISO`

PIX Query Response Validation Context	`<?xml version="1.0" encoding="UTF-8" ?>`
	`n1:HL7V2MessageValidationContextDefinition`
	`  xmlns:n1="http://www.nist.gov/hl7/core/xmlbeans/validation/message">`
	`FailureInterpretation>`
	`MessageFailure Type="VERSION" Level="ERROR" />`
	`MessageFailure Type="LENGTH" Level="IGNORE" />`
	`MessageFailure Type="DATATYPE" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_STRUCTURE" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_STRUCTURE_ID" Level="ERROR" />`
	`MessageFailure Type="DATA" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_VALIDATION_CONTEXT"`
	`  Level="USER" />`
	`</FailureInterpretation>`
	`MessageInstanceSpecificValues>`
	`<!--`
	`PIX Manager RSP K23`
	`-->`
	`<!--`
	`MSH 9.1`
	`-->`
	`DataValueLocationItem>`
	`Location>`
	`Segment Name="MSH">`
	`Field Position="9">`
	`Component Position="1" />`
	`</Field>`
	``
	`</Location>`
	`Value>`
	`PlainText>RSP</PlainText>`
	`</Value>`

Message Type	Message
	`</DataValueLocationItem>`
	`<!--`
	`MSH 9.2`
	`-->`
	`DataValueLocationItem>`
	`Location>`
	`Segment Name="MSH">`
	`Field Position="9">`
	`Component Position="2" />`
	`</Field>`
	``
	`</Location>`
	`Value>`
	`PlainText>K23</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`<!--`
	`MSH 9.3`
	`-->`
	`DataValueLocationItem>`
	`Location>`
	`Segment Name="MSH">`
	`Field Position="9">`
	`Component Position="3" />`
	`</Field>`
	``
	`</Location>`
	`Value>`
	`PlainText>RSP_K23</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`<!--`
	`QPD 3.1`
	`-->`
	`DataValueLocationItem>`
	`Location>`
	`Segment Name="QPD">`
	`Field Position="3">`
	`Component Position="1" />`
	`</Field>`
	``
	`</Location>`
	`Value>`
	`PlainText>ABC10503</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`<!--`
	`QPD 3.4.1`

Message Type	Message
	--> DataValueLocationItem> Location> Segment Name="**QPD**"> Field Position="**3**"> Component Position="**4**"> SubComponent Position="**1**" /> </Component> </Field> </Location> Value> PlainText>**XXXX**</PlainText> </Value> </DataValueLocationItem> <!-- QPD 3.4.2 --> DataValueLocationItem> Location> Segment Name="**QPD**"> Field Position="**3**"> Component Position="**4**"> SubComponent Position="**2**" /> </Component> </Field> </Location> Value> PlainText>**1.3.6.1.4.1.21367.2005.3.3333**</PlainText> </Value> </DataValueLocationItem> <!-- QPD 3.4.3 --> DataValueLocationItem> Location> Segment Name="**QPD**"> Field Position="**3**"> Component Position="**4**"> SubComponent Position="**3**" /> </Component> </Field> </Location> Value> PlainText>**ISO**</PlainText>

Message Type	Message

```
          </Value>
         </DataValueLocationItem>
         <!--
MSA 1
         -->
         DataValueLocationItem>
         Location>
         Segment Name="MSA">
         Field Position="1" />
          </Location>
         Value>
         PlainText>AE</PlainText>
          </Value>
         </DataValueLocationItem>
         <!--
QAK 2
         -->
         DataValueLocationItem>
         Location>
         Segment Name="QAK">
         Field Position="2" />
          </Location>
         Value>
         PlainText>AE</PlainText>
          </Value>
         </DataValueLocationItem>
         <!--
ERR 2.1
         -->
         DataValueLocationItem>
         Location>
         Segment Name="ERR">
         Field Position="2">
         Component Position="1" />
          </Field>
          </Location>
         Value>
         PlainText>QPD</PlainText>
          </Value>
         </DataValueLocationItem>
         <!--
ERR 2.2
         -->
         DataValueLocationItem>
         Location>
```

Message Type	Message
	Segment Name="**ERR**">
	Field Position="**2**">
	Component Position="**2**" />
	</Field>
	</Location>
	Value>
	PlainText>**1**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	ERR 2.3
	-->
	DataValueLocationItem>
	Location>
	Segment Name="**ERR**">
	Field Position="**2**">
	Component Position="**3**" />
	</Field>
	</Location>
	Value>
	PlainText>**3**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	ERR 2.4
	-->
	DataValueLocationItem>
	Location>
	Segment Name="**ERR**">
	Field Position="**2**">
	Component Position="**4**" />
	</Field>
	</Location>
	Value>
	PlainText>**1**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	ERR 2.5
	-->
	DataValueLocationItem>
	Location>
	Segment Name="**ERR**">
	Field Position="**2**">

Message Type	Message

Component Position="5" />
</Field>
</Location>
Value>
PlainText>**4**</PlainText>
</Value>
</DataValueLocationItem>
<!--
ERR 3.1
-->
DataValueLocationItem>
Location>
Segment Name="**ERR**">
Field Position="**3**">
Component Position="**1**" />
</Field>
</Location>
Value>
PlainText>**204**</PlainText>
</Value>
</DataValueLocationItem>
</MessageInstanceSpecificValues>
</n1:HL7V2MessageValidationContextDefinition>

2.1.4 TEST CASE 10506: PIX QUERY, PATIENT UPDATE

Message Type	Message

Acknowledge Patient Add: Number 1	`MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST|`
	`200942737167||ACK^A04^ACK|12434381771670|P|2.3.1|||||||||||`
	`MSA|AA|NIST-090527112931073||`

Acknowledge Patient Add: Number 2	`MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST|`
	`20094274258||ACK^A04^ACK|12434381820581|P|2.3.1|||||||||||`
	`MSA|AA|NIST-090527112937401||`

Acknowledge Patient Update	`MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST|`
	`200942723273||ACK^A08^ACK|12434466232732|P|2.3.1|||||||||||`
	`MSA|AA|NIST-090527135016929||`

Acknowledge Patient Update: All	<?xml version="1.0" encoding="UTF-8" ?> n1:HL7V2MessageValidationContextDefinition xmlns:n1="**http://www.nist.gov/hl7/core/xmlbeans/validation/message**"> FailureInterpretation> MessageFailure Type="**VERSION**" Level="**ERROR**" /> MessageFailure Type="**LENGTH**" Level="**IGNORE**" /> MessageFailure Type="**DATATYPE**" Level="**ERROR**" />

Message Type	Message
	MessageFailure Type="**MESSAGE_STRUCTURE**" Level="**ERROR**" />
	MessageFailure Type="**MESSAGE_STRUCTURE_ID**" Level="**ERROR**" />
	MessageFailure Type="**DATA**" Level="**ERROR**" />
	MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**"
	Level="**USER**" />
	</FailureInterpretation>
	MessageInstanceSpecificValues>
	<!--
	MSH.11.1
	-->
	<!--
	`<DataValueLocationItem>`
	`<Location>`
	`<Segment Name="MSH">`
	`<Field Position="11">`
	`<Component Position="1">`
	`</Component>`
	`</Field>`
	`</Segment>`
	`</Location>`
	`<Value><PlainText>P</PlainText></Value>`
	`</DataValueLocationItem>`
	-->
	<!--
	MSA.1
	-->
	DataValueLocationItem>
	Location>
	Segment Name="**MSA**">
	Field Position="**1**" />
	</Location>
	Value>
	PlainText>**AA**</PlainText>
	</Value>
	</DataValueLocationItem>
	</MessageInstanceSpecificValues>
	</n1:HL7V2MessageValidationContextDefinition>
Acknowledge Validation Content: All	<?xml version="1.0" encoding="UTF-8" ?>
	n1:HL7V2MessageValidationContextDefinition
	xmlns:n1="**http://www.nist.gov/hl7/core/xmlbeans/validation/message**">
	FailureInterpretation>
	MessageFailure Type="**VERSION**" Level="**ERROR**" />
	MessageFailure Type="**LENGTH**" Level="**IGNORE**" />
	MessageFailure Type="**DATATYPE**" Level="**ERROR**" />
	MessageFailure Type="**MESSAGE_STRUCTURE**" Level="**ERROR**" />
	MessageFailure Type="**MESSAGE_STRUCTURE_ID**" Level="**ERROR**" />
	MessageFailure Type="**DATA**" Level="**ERROR**" />

Message Type	Message
	MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**" Level="**USER**" /> </FailureInterpretation> MessageInstanceSpecificValues> <!-- MSH.11.1 --> <!-- <DataValueLocationItem> <Location> <Segment Name="MSH"> <Field Position="11"> <Component Position="1"> </Component> </Field> </Segment> </Location> <Value><PlainText>P</PlainText></Value> </DataValueLocationItem> --> <!-- MSA.1 --> DataValueLocationItem> Location> Segment Name="**MSA**"> Field Position="**1**" /> </Location> Value> PlainText>**AA**</PlainText> </Value> </DataValueLocationItem> </MessageInstanceSpecificValues> </n1:HL7V2MessageValidationContextDefinition>

Patient Add:
Number 1
	`MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST|`
	`20090527112934||ADT^A04^ADT_A01|NIST-090527112931073|1|2.3.1`
	`EVN|A04|20090527`
	`PID|||PIX10506^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||T`
	`AU^TERI|BEVERE|06041555|M|||202 KEN HABOR^^NEW YORK`
	`CITY^NY^61000||(213)555-1234|(213)500-1234|||||361-21-2345`
	`PV1||V`

Patient Add:
Number 2
	`MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST|`
	`20090527112941||ADT^A04^ADT_A01|NIST-090527112937401|1|2.3.1`
	`EVN|A04|20090527`
	`PID|||ABC10506^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO^PI||TO`
	`W^T|BEVERE|19781555|M|||022 HELEN`
	`GAD^^CHICAGO^IL^11000||(213)555-1234|(213)005-1234|||||113-005-`
	`5678`
	`PV1||V`

Message Type	Message
Patient Update	MSH|^~\\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST|20090527135020||ADT^A08^ADT_A01|NIST-090527135016929|1|2.3.1 EVN|A08|20090527 PID|||ABC10506^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO^PI||TAU^TERI|BEVERE|06041555|M|||202 KEN HABOR^^NEW YORK CITY^NY^61000||(213)555-1234|(213)500-1234|||||361-21-2345 PV1||I
PIX Query: Number 1	MSH|^~\\&|NIST_Hydra_PIX_Consumer|NIST|NIST_Swan_PIX_Manager|NIST|20090527113947||QBP^Q23^QBP_Q21|NIST-090527113946959|D|2.5 QPD|IHE PIX QUERY|QRY1243438786881|PIX10506^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI|ABC10506^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO RCP|I
PIX Query: Number 2	MSH|^~\\&|NIST_Hydra_PIX_Consumer|NIST|NIST_Swan_PIX_Manager|NIST|20090527135721||QBP^Q23^QBP_Q21|NIST-090527135721677|D|2.5 QPD|IHE PIX QUERY|QRY1243447041583|PIX10506^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI|ABC10506^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO RCP|I
PIX Query Response: Number 1	MSH|^~\\&|NIST_Swan_PIX_Manager|NIST|NIST_Hydra_PIX_Consumer|NIST|20090527113948||RSP^K23^RSP_K23|NIST-090527113948444|P|2.5||||||||||124.3.11.62382.03 MSA|AA|NIST-090527113946959 QAK|QRY1243438786881|NF QPD|IHE PIX QUERY|QRY1243438786881|PIX10506^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI|ABC10506^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO
PIX Query Response: Number 2	MSH|^~\\&|NIST_Swan_PIX_Manager|NIST|NIST_Hydra_PIX_Consumer|NIST|20090527135723||RSP^K23^RSP_K23|NIST-090527135723286|P|2.5||||||||||124.3.11.62382.03 MSA|AA|NIST-090527135721677 QAK|QRY1243447041583|OK QPD|IHE PIX QUERY|QRY1243447041583|PIX10506^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI|ABC10506^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO PID|||ABC10506^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO^PI||~^^^^^S

PIX Query Response Validation Context: Number 1	```xml
	<?xml version="1.0" encoding="UTF-8" ?>
	n1:HL7V2MessageValidationContextDefinition
	  xmlns:n1="http://www.nist.gov/hl7/core/xmlbeans/validation/message">
	FailureInterpretation>
	MessageFailure Type="VERSION" Level="ERROR" />
	MessageFailure Type="LENGTH" Level="IGNORE" />
	MessageFailure Type="DATATYPE" Level="ERROR" />
	MessageFailure Type="MESSAGE_STRUCTURE" Level="ERROR" />
	MessageFailure Type="MESSAGE_STRUCTURE_ID" Level="ERROR" />
	``

Message Type	Message
	MessageFailure Type="**DATA**" Level="**ERROR**" />
	MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**" Level="**USER**" />
	</FailureInterpretation>
	MessageInstanceSpecificValues>
	<!--
	PIX Manager RSP K23
	-->
	<!--
	MSH 9.1
	-->
	DataValueLocationItem>
	Location>
	Segment Name="**MSH**">
	Field Position="**9**">
	Component Position="**1**" />
	</Field>
	</Location>
	Value>
	PlainText>**RSP**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	MSH 9.2
	-->
	DataValueLocationItem>
	Location>
	Segment Name="**MSH**">
	Field Position="**9**">
	Component Position="**2**" />
	</Field>
	</Location>
	Value>
	PlainText>**K23**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	MSH 9.3
	-->
	DataValueLocationItem>
	Location>
	Segment Name="**MSH**">
	Field Position="**9**">
	Component Position="**3**" />
	</Field>

Message Type	Message
	`</Location>`
	`Value>`
	`PlainText>`**RSP_K23**`</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`<!--`
	`MSA 1`
	`-->`
	`DataValueLocationItem>`
	`Location>`
	`Segment Name=`**"MSA"**`>`
	`Field Position=`**"1"** `/>`
	``
	`</Location>`
	`Value>`
	`PlainText>`**AA**`</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`<!--`
	`QAK 2`
	`-->`
	`DataValueLocationItem>`
	`Location>`
	`Segment Name=`**"QAK"**`>`
	`Field Position=`**"2"** `/>`
	``
	`</Location>`
	`Value>`
	`PlainText>`**NF**`</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`</MessageInstanceSpecificValues>`
	`</n1:HL7V2MessageValidationContextDefinition>`
PIX Query Response Validation Context: Number 2	`<?xml version=`"1.0"` encoding=`"UTF-8"` ?>`
	`n1:HL7V2MessageValidationContextDefinition`
	`xmlns:n1=`**"http://www.nist.gov/hl7/core/xmlbeans/validation/message"**`>`
	`FailureInterpretation>`
	`MessageFailure Type=`**"VERSION"** `Level=`**"ERROR"** `/>`
	`MessageFailure Type=`**"LENGTH"** `Level=`**"IGNORE"** `/>`
	`MessageFailure Type=`**"DATATYPE"** `Level=`**"ERROR"** `/>`
	`MessageFailure Type=`**"MESSAGE_STRUCTURE"** `Level=`**"ERROR"** `/>`
	`MessageFailure Type=`**"MESSAGE_STRUCTURE_ID"** `Level=`**"ERROR"** `/>`
	`MessageFailure Type=`**"DATA"** `Level=`**"ERROR"** `/>`
	`MessageFailure Type=`**"MESSAGE_VALIDATION_CONTEXT"** `Level=`**"USER"** `/>`
	`</FailureInterpretation>`

Message Type	Message
	MessageInstanceSpecificValues>
	`<!--`
	PIX Manager RSP K23
	`-->`
	`<!--`
	MSH 9.1
	`-->`
	DataValueLocationItem>
	Location>
	Segment Name="**MSH**">
	Field Position="**9**">
	Component Position="**1**" />
	`</Field>`
	``
	`</Location>`
	Value>
	PlainText>**RSP**</PlainText>
	`</Value>`
	`</DataValueLocationItem>`
	`<!--`
	MSH 9.2
	`-->`
	DataValueLocationItem>
	Location>
	Segment Name="**MSH**">
	Field Position="**9**">
	Component Position="**2**" />
	`</Field>`
	``
	`</Location>`
	Value>
	PlainText>**K23**</PlainText>
	`</Value>`
	`</DataValueLocationItem>`
	`<!--`
	MSH 9.3
	`-->`
	DataValueLocationItem>
	Location>
	Segment Name="**MSH**">
	Field Position="**9**">
	Component Position="**3**" />
	`</Field>`
	``
	`</Location>`
	Value>
	PlainText>**RSP_K23**</PlainText>
	`</Value>`

Message Type	Message
	</DataValueLocationItem>

```
</DataValueLocationItem>
<!--
MSA 1
-->
DataValueLocationItem>
Location>
Segment Name="MSA">
Field Position="1" />
</Location>
Value>
PlainText>AA</PlainText>
</Value>
</DataValueLocationItem>
<!--
QAK 2
-->
DataValueLocationItem>
Location>
Segment Name="QAK">
Field Position="2" />
</Location>
Value>
PlainText>OK</PlainText>
</Value>
</DataValueLocationItem>
<!--
PID 3.1
-->
DataValueLocationItem>
Location>
Segment Name="PID">
Field Position="3">
Component Position="1" />
</Field>
</Location>
Value>
PlainText>ABC10506</PlainText>
</Value>
</DataValueLocationItem>
<!--
PID 3.4.1
-->
DataValueLocationItem>
Location>
Segment Name="PID">
```

Message Type	Message

Field Position="**3**">
Component Position="**4**">
SubComponent Position="**1**" />
</Component>
</Field>
</Location>
Value>
PlainText>**XREF2005**</PlainText>
</Value>
</DataValueLocationItem>
<!--
PID 3.4.2
-->
DataValueLocationItem>
Segment Name="**PID**">
Field Position="**3**">
Component Position="**4**">
SubComponent Position="**2**" />
</Component>
</Field>
</Location>
Value>
PlainText>**1.3.6.1.4.1.21367.2005.1.2**</PlainText>
</Value>
</DataValueLocationItem>
<!--
PID 3.4.3
-->
DataValueLocationItem>
Segment Name="**PID**">
Field Position="**3**">
Component Position="**4**">
SubComponent Position="**3**" />
</Component>
</Field>
</Location>
Value>
PlainText>**ISO**</PlainText>
</Value>
</DataValueLocationItem>
<!--
PID 3.5

Message Type	Message

	`-->`
	`DataValueLocationItem>`
	`Location>`
	`Segment Name="PID">`
	`Field Position="3">`
	`Component Position="5" />`
	`</Field>`
	``
	`</Location>`
	`Value>`
	`PlainText>PI</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`</MessageInstanceSpecificValues>`
	`</n1:HL7V2MessageValidationContextDefinition>`

2.1.5 TEST CASE 10511: PIX PATIENT FEED: A01

Message Type	Message

Acknowledge Patient Add: Number 1	`MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST|`
	`20094275105||ACK^A01^ACK|12434482251050|P|2.3.1|||||||||||`
	`MSA|AA|Flame-990001||`

Acknowledge Patient Add: Number 2	`MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST|`
	`20094279652||ACK^A01^ACK|12434482296521|P|2.3.1|||||||||||`
	`MSA|AA|NIST-090527141705324||`

Acknowledge Patient Add: Number 3	`MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST|`
	`200942714996||ACK^A01^ACK|12434482349962|P|2.3.1|||||||||||`
	`MSA|AA|NIST-090527141710715||`

Acknowledge Validation Content: All	`<?xml version="1.0" encoding="UTF-8" ?>`
	`n1:HL7V2MessageValidationContextDefinition`
	`xmlns:n1="http://www.nist.gov/hl7/core/xmlbeans/validation/message">`
	`FailureInterpretation>`
	`MessageFailure Type="VERSION" Level="ERROR" />`
	`MessageFailure Type="LENGTH" Level="IGNORE" />`
	`MessageFailure Type="DATATYPE" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_STRUCTURE" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_STRUCTURE_ID" Level="ERROR" />`
	`MessageFailure Type="DATA" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_VALIDATION_CONTEXT"`
	`Level="USER" />`
	`</FailureInterpretation>`
	`MessageInstanceSpecificValues>`
	`<!--`
	`MSH.11.1`
	`-->`

Message Type	Message
	``` <!-- <DataValueLocationItem> <Location> <Segment Name="MSH"> <Field Position="11"> <Component Position="1"> </Component> </Field> </Segment> </Location> <Value><PlainText>P</PlainText></Value> </DataValueLocationItem> --> <!-- MSA.1 --> DataValueLocationItem> Location> Segment Name="MSA"> Field Position="1" /> </Location> Value> PlainText>AA</PlainText> </Value> </DataValueLocationItem> </MessageInstanceSpecificValues> </n1:HL7V2MessageValidationContextDefinition> ```
Patient Add: Number 1	``` MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST| 20090527141702||ADT^A01^ADT_A01|Flame-990001|P|2.3.1 EVN|A01|20090527 PID|||PIX10501^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||A LPHA^ALAN|Barnes|19781208|M|||820 JORIE BLVD^^New York City^NY^10503||(112)555-1234|(112)555-6789|||||153-12-5432 PV1||V ```
Patient Add: Number 2	``` MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST| 20090527141708||ADT^A01^ADT_A01|NIST-090527141705324|A|2.3.1 EVN|A01|20090527 PID|||XYZ10501^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO^PI||AL PHA^ALAN|Barnes|19781208|M|||820 JORIE BLVD^^New York City^NY^10503||(112)555-1234|(112)555-6789|||||153-12-5432 PV1||V ```
Patient Add: Number 3	``` MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST| 20090527141714||ADT^A01^ADT_A01|NIST-090527141710715|A|2.3.1 EVN|A01|20090527 PID|||ABC10501^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||S IMPSON^CARL|AMSTRONG|19781209|M|||820 OREL BLVD^^CHICAGO^IL^60523||(312)555-1234|(312)555-6789|||||163-12- 5432 PV1||V ```

Message Type	Message
PIX Query: Number 1	MSH|^~\&|NIST_Hydra_PIX_Consumer|NIST|NIST_Swan_PIX_Manager|NIST|20090527142638||QBP^Q23^QBP_Q21|NIST-090527142637983|D|2.5 QPD|IHE PIX QUERY|QRY1243448797905|PIX10501^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO|XYZ10501^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO RCP|I
PIX Query: Number 2	MSH|^~\&|NIST_Hydra_PIX_Consumer|NIST|NIST_Swan_PIX_Manager|NIST|20090527142639||QBP^Q23^QBP_Q21|NIST-090527142639342|D|2.5 QPD|IHE PIX QUERY|QRY1243448799280|ABC10501^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI|text^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO RCP|I
PIX Query Response: Number 1	MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Hydra_PIX_Consumer|NIST|20090527142639||RSP^K23^RSP_K23|NIST-090527142638655|P|2.5|||||||||124.3.11.62382.03 MSA|AA|NIST-090527142637983 QAK|QRY1243448797905|OK QPD|IHE PIX QUERY|QRY1243448797905|PIX10501^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO|XYZ10501^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO PID|||XYZ10501^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO^PI||~^^^^^S
PIX Query Response: Number 2	MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Hydra_PIX_Consumer|NIST|20090527142641||RSP^K23^RSP_K23|NIST-090527142641077|P|2.5|||||||||124.3.11.62382.03 MSA|AA|NIST-090527142639342 QAK|QRY1243448799280|NF QPD|IHE PIX QUERY|QRY1243448799280|ABC10501^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI|text^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO

PIX Query Response Validation Context: Number 1	`<?xml version="1.0" encoding="UTF-8" ?>`
	`n1:HL7V2MessageValidationContextDefinition xmlns:n1="http://www.nist.gov/hl7/core/xmlbeans/validation/message">`
	`FailureInterpretation>`
	`MessageFailure Type="VERSION" Level="ERROR" />`
	`MessageFailure Type="LENGTH" Level="IGNORE" />`
	`MessageFailure Type="DATATYPE" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_STRUCTURE" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_STRUCTURE_ID" Level="ERROR" />`
	`MessageFailure Type="DATA" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_VALIDATION_CONTEXT" Level="USER" />`
	`</FailureInterpretation>`
	`MessageInstanceSpecificValues>`
	`<!--`
	`PIX Manager RSP K23`
	`-->`
	`<!--`
	`MSH 9.1`

Message Type	Message

```
-->
DataValueLocationItem>
Location>
Segment Name="MSH">
Field Position="9">
Component Position="1" />
</Field>
</Location>
Value>
PlainText>RSP</PlainText>
</Value>
</DataValueLocationItem>
<!--
MSH 9.2
-->
DataValueLocationItem>
Location>
Segment Name="MSH">
Field Position="9">
Component Position="2" />
</Field>
</Location>
Value>
PlainText>K23</PlainText>
</Value>
</DataValueLocationItem>
<!--
MSH 9.3
-->
DataValueLocationItem>
Location>
Segment Name="MSH">
Field Position="9">
Component Position="3" />
</Field>
</Location>
Value>
PlainText>RSP_K23</PlainText>
</Value>
</DataValueLocationItem>
<!--
PID 3.1
-->
DataValueLocationItem>
```

Message Type	Message

```
Location>
Segment Name="PID">
Field Position="3">
Component Position="1" />
</Field>
</Location>
Value>
PlainText>XYZ10501</PlainText>
</Value>
</DataValueLocationItem>
<!--
PID 3.4.1
-->
DataValueLocationItem>
Location>
Segment Name="PID">
Field Position="3">
Component Position="4">
SubComponent Position="1" />
</Component>
</Field>
</Location>
Value>
PlainText>XREF2005</PlainText>
</Value>
</DataValueLocationItem>
<!--
PID 3.4.2
-->
DataValueLocationItem>
Location>
Segment Name="PID">
Field Position="3">
Component Position="4">
SubComponent Position="2" />
</Component>
</Field>
</Location>
Value>
PlainText>1.3.6.1.4.1.21367.2005.1.2</PlainText>
</Value>
</DataValueLocationItem>
<!--
PID 3.4.3
```

Message Type	Message

```
-->
DataValueLocationItem>
Location>
Segment Name="PID">
Field Position="3">
Component Position="4">
SubComponent Position="3" />
</Component>
</Field>
</Location>
Value>
PlainText>ISO</PlainText>
</Value>
</DataValueLocationItem>
<!--
PID 5.7
-->
DataValueLocationItem>
Location>
Segment Name="PID">
Field Position="5">
Component Position="7" />
</Field>
</Location>
Value>
PlainText>S</PlainText>
</Value>
</DataValueLocationItem>
<!--
MSA 1
-->
DataValueLocationItem>
Location>
Segment Name="MSA">
Field Position="1" />
</Location>
Value>
PlainText>AA</PlainText>
</Value>
</DataValueLocationItem>
<!--
QAK 2
-->
DataValueLocationItem>
```

Message Type	Message
	Location> Segment Name="**QAK**"> Field Position="**2**" /> </Segment> </Location> Value> PlainText>**OK**</PlainText> </Value> </DataValueLocationItem> </MessageInstanceSpecificValues> </n1:HL7V2MessageValidationContextDefinition>
PIX Query Response Validation Context: Number 2	<?xml version="1.0" encoding="UTF-8" ?> n1:HL7V2MessageValidationContextDefinition xmlns:n1="**http://www.nist.gov/hl7/core/xmlbeans/validation/message**"> FailureInterpretation> MessageFailure Type="**LENGTH**" Level="**IGNORE**" /> MessageFailure Type="**DATATYPE**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_STRUCTURE**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_STRUCTURE_ID**" Level="**ERROR**" /> MessageFailure Type="**DATA**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**" Level="**USER**" /> </FailureInterpretation> MessageInstanceSpecificValues> <!-- PIX Manager RSP K23 --> <!-- MSH 9.1 --> DataValueLocationItem> Location> Segment Name="**MSH**"> Field Position="**9**"> Component Position="**1**" /> </Field> </Segment> </Location> Value> PlainText>**RSP**</PlainText> </Value> </DataValueLocationItem> <!-- MSH 9.2 --> DataValueLocationItem>

Message Type	Message

```
Location>
Segment Name="MSH">
Field Position="9">
Component Position="2" />
  </Field>
  </Location>
Value>
PlainText>K23</PlainText>
  </Value>
  </DataValueLocationItem>
  <!--
MSH 9.3
  -->
DataValueLocationItem>
Location>
Segment Name="MSH">
Field Position="9">
Component Position="3" />
  </Field>
  </Location>
Value>
PlainText>RSP_K23</PlainText>
  </Value>
  </DataValueLocationItem>
  <!--
MSA 1
  -->
DataValueLocationItem>
Location>
Segment Name="MSA">
Field Position="1" />
  </Location>
Value>
PlainText>AA</PlainText>
  </Value>
  </DataValueLocationItem>
  <!--
QAK 2
  -->
DataValueLocationItem>
Location>
Segment Name="QAK">
Field Position="2" />
```

Message Type	Message
	</Location>
	Value>
	PlainText>**NF**</PlainText>
	</Value>
	</DataValueLocationItem>
	</MessageInstanceSpecificValues>
	</n1:HL7V2MessageValidationContextDefinition>

2.1.6 TEST CASE 10512: PIX PATIENT FEED: A04

Message Type	Message
Acknowledge Patient Add: Number 1	MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST|200942735276||A CK^A04^ACK|12434560552760|P|2.3.1|||||||||| MSA|AA|NIST-090527162729385||
Acknowledge Patient Add: Number 2	MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST|200942735276||A CK^A04^ACK|12434560552760|P|2.3.1|||||||||| MSA|AA|NIST-090527162729385||
Acknowledge Patient Add: Number 3	MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST|200942735276||A CK^A04^ACK|12434560552760|P|2.3.1|||||||||| MSA|AA|NIST-090527162729385||
Acknowledge Validation Content: All	<?xml version="1.0" encoding="UTF-8" ?> n1:HL7V2MessageValidationContextDefinition xmlns:n1="**http://www.nist.gov/hl7/core/xmlbeans/validation/message**"> FailureInterpretation> MessageFailure Type="**VERSION**" Level="**ERROR**" /> MessageFailure Type="**LENGTH**" Level="**IGNORE**" /> MessageFailure Type="**DATATYPE**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_STRUCTURE**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_STRUCTURE_ID**" Level="**ERROR**" /> MessageFailure Type="**DATA**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**" Level="**USER**" /> </FailureInterpretation> MessageInstanceSpecificValues> <!-- MSH.11.1 --> <!-- <DataValueLocationItem> <Location> <Segment Name="MSH"> <Field Position="11"> <Component Position="1"> </Component> </Field> </Segment>

Message Type	Message

	```</Location>```
	```<Value><PlainText>P</PlainText></Value>```
	```</DataValueLocationItem>```
	```-->```
	```<!--```
	```MSA.1```
	```-->```
	```DataValueLocationItem>```
	```Location>```
	```Segment Name="MSA">```
	```Field Position="1" />```
	``
	```</Location>```
	```Value>```
	```PlainText>AA</PlainText>```
	```</Value>```
	```</DataValueLocationItem>```
	```</MessageInstanceSpecificValues>```
	```</n1:HL7V2MessageValidationContextDefinition>```

Patient Add: Number 1	```MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST|```
	```20090527144212||ADT^A04^ADT_A01|NIST-090527144209435|1|2.3.1```
	```EVN|A04|20090527```
	```PID|||PIX10512^^^HIMSS2005||EPSILON^ELLIE|JACK|19380224|F|||1```
	```PINETREE^^WEBSTER^MO^63119||(314)555-1234|(314)555-```
	```4444|||||163-12-5432```
	```PV1||V```

Patient Add: Number 2	```MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST|```
	```20090527144846||ADT^A04^ADT_A01|NIST-090527144842416|1|2.3.1```
	```EVN|A04|20090527```
	```PID|||PIX10512^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||E```
	```PSILON^ELLIE|JACK|19380224|F|||1```
	```PINETREE^^WEBSTER^MO^63119||(314)555-1234|(314)555-```
	```4444|||||163-12-5432```
	```PV1||V```

Patient Add: Number 3	```MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST|```
	```20090527162732||ADT^A04^ADT_A01|NIST-090527162729385|1|2.3.1```
	```EVN|A04|20090527```
	```PID|||PIX10512^^^&1.3.6.1.4.1.21367.2005.1.1&ISO||EPSILON^ELLIE```
	```|JACK|19380224|F|||1 PINETREE^^WEBSTER^MO^63119||(314)555-```
	```1234|(314)555-4444|||||163-12-5432PV1||V```

2.1.7 TEST CASE 10515: PIX PATIENT FEED: A40

Message Type	Message

Acknowledge Patient Add: Number 1	```MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST|```
	```200942828226||ACK^A04^ACK|12435227682260|P|2.3.1|||||||||||```
	```MSA|AA|NIST-090528105921882||```

Acknowledge	```MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST|```

Message Type	Message
Patient Add: Number 2	200942833507||ACK^A04^ACK|12435227735071|P|2.3.1|||||||||| MSA|AA|NIST-090528105928523||
Acknowledge Patient Add: Number 3	MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST| 200942839289||ACK^A04^ACK|12435227792892|P|2.3.1|||||||||| MSA|AA|NIST-090528105934554||
Acknowledge Patient Merge	MSH|^~\&|NIST_Swan_PIX_Manager|NIST|NIST_Flame_PIX_Source|NIST| 200942826665||ACK^A40^ACK|12435228266653|P|2.3.1|||||||||| MSA|AA|NIST-090528110022806||

Acknowledge Content Validation: All	```xml
	<?xml version="1.0" encoding="UTF-8" ?>
	n1:HL7V2MessageValidationContextDefinition
	  xmlns:n1="http://www.nist.gov/hl7/core/xmlbeans/validation/message">
	FailureInterpretation>
	MessageFailure Type="VERSION" Level="ERROR" />
	MessageFailure Type="LENGTH" Level="IGNORE" />
	MessageFailure Type="DATATYPE" Level="ERROR" />
	MessageFailure Type="MESSAGE_STRUCTURE" Level="ERROR" />
	MessageFailure Type="MESSAGE_STRUCTURE_ID" Level="ERROR" />
	MessageFailure Type="DATA" Level="ERROR" />
	MessageFailure Type="MESSAGE_VALIDATION_CONTEXT"
	 Level="USER" />
	</FailureInterpretation>
	MessageInstanceSpecificValues>
	<!--
	MSH.11.1
	-->
	<!--
	        <DataValueLocationItem>
	        <Location>
	            <Segment Name="MSH">
	            <Field Position="11">
	            <Component Position="1">
	            </Component>
	            </Field>
	            </Segment>
	        </Location>
	        <Value><PlainText>P</PlainText></Value>
	        </DataValueLocationItem>
	-->
	<!--
	MSA.1
	-->
	DataValueLocationItem>
	Location>
	Segment Name="MSA">
	Field Position="1" />
	
	</Location>
	Value>
	``

Message Type	Message
	PlainText>**AA**</PlainText> </Value> </DataValueLocationItem> </MessageInstanceSpecificValues> </n1:HL7V2MessageValidationContextDefinition>
| Patient Add: Number 1 | ```
MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST|
20090528105925||ADT^A04^ADT_A01|NIST-090528105921882|P|2.3.1
EVN|A04|20090528
PID|||PIX10515W^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||
WASHINGTON^MARY|JOHN|19781208|F|||820 JORIE
BLVD^^CHICAGO^IL^60523||(312)555-1234|(312)555-6789|||||100-9-
1234
PV1||V
``` |
| Patient Add: Number 2 | ```
MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST|
20090528105932||ADT^A04^ADT_A01|NIST-090528105928523|P|2.3.1
EVN|A04|20090528
PID|||XYZ10515W^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO^PI||W
ASHINGTON^MARY|JOHN|19781208|F|||820 JORIE
BLVD^^CHICAGO^IL^60523||(312)555-1234|(312)555-6789|||||100-9-
1234
PV1||V
``` |
| Patient Add: Number 3 | ```
MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST|
20090528105938||ADT^A04^ADT_A01|NIST-090528105934554|P|2.3.1
EVN|A04|20090528
PID|||PIX10515L^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||
LINCOLN^MARY|JOHN|19781208|F|||JEAN JAQUES BLVD^^New
York^NY^60001||(213)455-4321|(213)555-0001|||||100-9-1234
PV1||V
``` |
| Patient Merge: Number 1 | ```
MSH|^~\&|NIST_Flame_PIX_Source|NIST|NIST_Swan_PIX_Manager|NIST|
20090528110025||ADT^A40^ADT_A39|NIST-090528110022806|P|2.3.1
EVN|A40|20090528
PID|||PIX10515L^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||
LINCOLN^MARY|JOHN|19781208|F|||JEAN JAQUES BLVD^^New
York^NY^60001||(213)455-4321|(213)555-0001|||||100-9-1234
MRG|PIX10515W^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO
PID|||^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||LINCOLN^M
ARY|JOHN|19781208|F|||JEAN JAQUES BLVD^^New
York^NY^60001||(213)455-4321|(213)555-0001
MRG|PIX10515W^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO
PID|||^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||LINCOLN^M
ARY|JOHN|19781208|F|||JEAN JAQUES BLVD^^New
York^NY^60001||(213)455-4321|(213)555-0001
MRG|PIX10515W^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO
PID|||^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||LINCOLN^M
ARY|JOHN|19781208|F|||JEAN JAQUES BLVD^^New
York^NY^60001||(213)455-4321|(213)555-0001
MRG|PIX10515W^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO
PID|||^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||LINCOLN^M
ARY|JOHN|19781208|F|||JEAN JAQUES BLVD^^New
York^NY^60001||(213)455-4321|(213)555-0001
MRG|PIX10515W^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO
``` |

Message Type	Message
PIX Query	MSH|^~\\&|NIST_Hydra_PIX_Consumer|NIST|NIST_Swan_PIX_Manager|NIST|20090528110358||QBP^Q23^QBP_Q21|NIST-090528110358016|P|2.5 QPD|IHE PIX QUERY|QRY1243523037937|XYZ10515W^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO RCP|I
PIX Query Response	MSH|^~\\&|NIST_Swan_PIX_Manager|NIST|NIST_Hydra_PIX_Consumer|NIST|20090528110359||RSP^K23^RSP_K23|NIST-090528110359359|P|2.5||||||||||124.3.11.62382.03 MSA|AA|NIST-090528110358016 QAK|QRY1243523037937|OK QPD|IHE PIX QUERY|QRY1243523037937|XYZ10515W^^^XREF2005&1.3.6.1.4.1.21367.2005.1.2&ISO PID|||PIX10515L^^^HIMSS2005&1.3.6.1.4.1.21367.2005.1.1&ISO^PI||~^^^^^S
PIX Query Response Validation Context	```<?xml version="1.0" encoding="UTF-8" ?>``` n1:HL7V2MessageValidationContextDefinition xmlns:n1="**http://www.nist.gov/hl7/core/xmlbeans/validation/message**"> FailureInterpretation> MessageFailure Type="**VERSION**" Level="**ERROR**" /> MessageFailure Type="**LENGTH**" Level="**IGNORE**" /> MessageFailure Type="**DATATYPE**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_STRUCTURE**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_STRUCTURE_ID**" Level="**ERROR**" /> MessageFailure Type="**DATA**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**" Level="**USER**" /> </FailureInterpretation> MessageInstanceSpecificValues> <!-- PIX Manager RSP K23 --> <!-- MSH 9.1 --> DataValueLocationItem> Location> Segment Name="**MSH**"> Field Position="**9**"> Component Position="**1**" /> </Field> </Location> Value> PlainText>**RSP**</PlainText> </Value> </DataValueLocationItem> <!--

Message Type	Message

```
MSH 9.2
 -->
DataValueLocationItem>
Location>
Segment Name="MSH">
Field Position="9">
Component Position="2" />
 </Field>
 </Location>
Value>
PlainText>K23</PlainText>
 </Value>
 </DataValueLocationItem>
 <!--
MSH 9.3
 -->
DataValueLocationItem>
Location>
Segment Name="MSH">
Field Position="9">
Component Position="3" />
 </Field>
 </Location>
Value>
PlainText>RSP_K23</PlainText>
 </Value>
 </DataValueLocationItem>
 <!--
PID 3.1
 -->
DataValueLocationItem>
Location>
Segment Name="PID">
Field Position="3">
Component Position="1" />
 </Field>
 </Location>
Value>
PlainText>PIX10515L</PlainText>
 </Value>
 </DataValueLocationItem>
 <!--
PID 3.4.1
 -->
DataValueLocationItem>
```

Message Type	Message
	Location>
	Segment Name="**PID**">
	Field Position="**3**">
	Component Position="**4**">
	SubComponent Position="**1**" />
	</Component>
	</Field>
	</Location>
	Value>
	PlainText>**HIMSS2005**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	PID 3.4.2
	-->
	DataValueLocationItem>
	Location>
	Segment Name="**PID**">
	Field Position="**3**">
	Component Position="**4**">
	SubComponent Position="**2**" />
	</Component>
	</Field>
	</Location>
	Value>
	PlainText>**1.3.6.1.4.1.21367.2005.1.1**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	PID 3.4.3
	-->
	DataValueLocationItem>
	Location>
	Segment Name="**PID**">
	Field Position="**3**">
	Component Position="**4**">
	SubComponent Position="**3**" />
	</Component>
	</Field>
	</Location>
	Value>
	PlainText>**ISO**</PlainText>
	</Value>
	</DataValueLocationItem>

Message Type	Message

```xml
<!--
PID 5.7
-->
DataValueLocationItem>
Location>
Segment Name="PID">
Field Position="5">
Component Position="7" />
</Field>
</Location>
Value>
PlainText>S</PlainText>
</Value>
</DataValueLocationItem>
<!--
MSA 1
-->
DataValueLocationItem>
Location>
Segment Name="MSA">
Field Position="1" />
</Location>
Value>
PlainText>AA</PlainText>
</Value>
</DataValueLocationItem>
<!--
QAK 2
-->
DataValueLocationItem>
Location>
Segment Name="QAK">
Field Position="2" />
</Location>
Value>
PlainText>OK</PlainText>
</Value>
</DataValueLocationItem>
</MessageInstanceSpecificValues>
</n1:HL7V2MessageValidationContextDefinition>
```

2.2 HL7 V3 Messages

2.2.1 TEST CASE 10501V3: PIX QUERY CASE 1 AND CASE 2

Message Type	Message

Acknowledge Validation Content: All	`<?xml version="1.0" encoding="UTF-8" ?>`
	`n1:HL7V3MessageValidationContextDefinition`
	`xmlns:n1="http://www.nist.gov/hl7/core/xmlbeans/validation/message">`
	`FailureInterpretation>`
	`MessageFailure Type="VERSION" Level="ERROR" />`
	`MessageFailure Type="LENGTH" Level="IGNORE" />`
	`MessageFailure Type="DATATYPE" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_STRUCTURE" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_STRUCTURE_ID" Level="ERROR" />`
	`MessageFailure Type="DATA" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_VALIDATION_CONTEXT" Level="USER" />`
	`</FailureInterpretation>`
	`MessageInstanceSpecificValues>`
	`DataValueLocationItem>`
	
	`<XPath>/*:MCCI_IN000002UV01/*:acknowledgement/*:typeCode/@code</XPath>`
	`Value>`
	`PlainText>CA</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`</MessageInstanceSpecificValues>`
	`</n1:HL7V3MessageValidationContextDefinition>`

Patient Add: Number 1	`PRPA_IN201301UV02 ITSVersion="XML_1.0" xmlns="urn:hl7-org:v3"`
	`xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">`
	`id root="b0b596f4-e145-4ad2-8e12-d20c623960af" />`
	`creationTime value="20090818163443" />`
	`interactionId extension="PRPA_IN201301UV02"`
	`root="2.16.840.1.113883.1.6" />`
	`processingCode code="P" />`
	`processingModeCode code="R" />`
	`acceptAckCode code="AL" />`
	`receiver typeCode="RCV">`
	`device classCode="DEV" determinerCode="INSTANCE">`
	`id root="1.2.840.114350.1.13.99999.4567" />`
	`asAgent classCode="AGNT">`
	`representedOrganization determinerCode="INSTANCE"`
	`classCode="ORG">`
	`id root="1.2.840.114350.1.13.99999.1234" />`
	`</representedOrganization>`
	`</asAgent>`

Message Type	Message
	`</device>`
	`</receiver>`
	`sender typeCode="SND">`
	`device classCode="DEV" determinerCode="INSTANCE">`
	`id root="1.2.840.114350.1.13.99998.8734" />`
	`asAgent classCode="AGNT">`
	`representedOrganization determinerCode="INSTANCE"`
	`  classCode="ORG">`
	`id root="1.2.840.114350.1.13.99998" />`
	`</representedOrganization>`
	`</asAgent>`
	`</device>`
	`</sender>`
	`controlActProcess classCode="CACT" moodCode="EVN">`
	`subject typeCode="SUBJ">`
	`registrationEvent classCode="REG" moodCode="EVN">`
	`id nullFlavor="NA" />`
	`statusCode code="active" />`
	`subject1 typeCode="SBJ">`
	`patient classCode="PAT">`
	`id extension="100" assigningAuthorityName="domain1"`
	`  root="1.2.3.4.5.1000" />`
	`statusCode code="active" />`
	`patientPerson>`
	`name>`
	`given>John</given>`
	`family>ALPHA</family>`
	`</name>`
	`telecom use="HP" value="tel:+1-514-555-1234" />`
	`administrativeGenderCode code="F" />`
	`birthTime value="19840711" />`
	`addr>`
	`city>Montreal</city>`
	`</addr>`
	`personalRelationship classCode="PRS">`
	`code codeSystem="2.16.840.1.113883.5.111"`
	`  codeSystemName="PersonalRelationshipRoleType" code="MTH"`
	`  displayName="Mother" />`
	`relationshipHolder1 classCode="PSN" determinerCode="INSTANCE">`
	`name xsi:type="urn:PN" xmlns:urn="urn:hl7-org:v3">`
	`family>Barnes</family>`
	`</name>`
	`</relationshipHolder1>`
	`</personalRelationship>`
	`</patientPerson>`
	`providerOrganization classCode="ORG" determinerCode="INSTANCE">`
	`id root="1.2.840.114350.1.13.99998.8734" />`

Message Type	Message
	contactParty classCode="CON"> telecom value="SENDER TELECOM GOES HERE!" /> </contactParty> </providerOrganization> </patient> </subject1> custodian typeCode="CST"> assignedEntity classCode="ASSIGNED"> id root="1.2.840.114350.1.13.99998.8734" /> </assignedEntity> </custodian> </registrationEvent> </subject> </controlActProcess> </PRPA_IN201301UV02>
Patient Add: Number 2	PRPA_IN201301UV02 ITSVersion="XML_1.0" xmlns="urn:hl7-org:v3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> id root="bf433029-255c-481c-8966-4e718cb3208c" /> creationTime value="20090818162938" /> interactionId extension="PRPA_IN201301UV02" root="2.16.840.1.113883.1.6" /> processingCode code="P" /> processingModeCode code="R" /> acceptAckCode code="AL" /> receiver typeCode="RCV"> device classCode="DEV" determinerCode="INSTANCE"> id root="1.2.840.114350.1.13.99999.4567" /> asAgent classCode="AGNT"> representedOrganization determinerCode="INSTANCE" classCode="ORG"> id root="1.2.840.114350.1.13.99999.1234" /> </representedOrganization> </asAgent> </device> </receiver> sender typeCode="SND"> device classCode="DEV" determinerCode="INSTANCE"> id root="1.2.840.114350.1.13.99998.8734" /> asAgent classCode="AGNT"> representedOrganization determinerCode="INSTANCE" classCode="ORG"> id root="1.2.840.114350.1.13.99998" /> </representedOrganization> </asAgent> </device> </sender> controlActProcess classCode="CACT" moodCode="EVN">

Message Type	Message
	subject typeCode="**SUBJ**">
	registrationEvent classCode="**REG**" moodCode="**EVN**">
	id nullFlavor="**NA**" />
	statusCode code="**active**" />
	subject1 typeCode="**SBJ**">
	patient classCode="**PAT**">
	id extension="**200**" assigningAuthorityName="**domain2**"
	root="**1.2.3.4.5.2000**" />
	statusCode code="**active**" />
	patientPerson>
	name>
	given>**John**</given>
	family>**ALPHA**</family>
	</name>
	telecom use="**HP**" value="**tel:+1-514-555-1234**" />
	administrativeGenderCode code="**F**" />
	birthTime value="**19840711**" />
	addr>
	city>**Montreal**</city>
	</addr>
	personalRelationship classCode="**PRS**">
	code codeSystem="**2.16.840.1.113883.5.111**"
	codeSystemName="**PersonalRelationshipRoleType**" code="**MTH**"
	displayName="**Mother**" />
	relationshipHolder1 classCode="**PSN**" determinerCode="**INSTANCE**">
	name xsi:type="**urn:PN**" xmlns:urn="**urn:hl7-org:v3**">
	family>**Barnes**</family>
	</name>
	</relationshipHolder1>
	</personalRelationship>
	</patientPerson>
	providerOrganization classCode="**ORG**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	contactParty classCode="**CON**">
	telecom value="**SENDER TELECOM GOES HERE!**" />
	</contactParty>
	</providerOrganization>
	</patient>
	</subject1>
	custodian typeCode="**CST**">
	assignedEntity classCode="**ASSIGNED**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	</assignedEntity>
	</custodian>
	</registrationEvent>
	</subject>
	</controlActProcess>

Message Type	Message
	</PRPA_IN201301UV02>
Patient Add: Number 3	PRPA_IN201301UV02 ITSVersion="**XML_1.0**" xmlns="**urn:hl7-org:v3**" xmlns:xsi="**http://www.w3.org/2001/XMLSchema-instance**"> id root="**02778280-e801-4ee2-94a8-d5eb79581d8c**" /> creationTime value="**20090818162949**" /> interactionId extension="**PRPA_IN201301UV02**" root="**2.16.840.1.113883.1.6**" /> processingCode code="**P**" /> processingModeCode code="**R**" /> acceptAckCode code="**AL**" /> receiver typeCode="**RCV**"> device classCode="**DEV**" determinerCode="**INSTANCE**"> id root="**1.2.840.114350.1.13.99999.4567**" /> asAgent classCode="**AGNT**"> representedOrganization determinerCode="**INSTANCE**" classCode="**ORG**"> id root="**1.2.840.114350.1.13.99999.1234**" /> </representedOrganization> </asAgent> </device> </receiver> sender typeCode="**SND**"> device classCode="**DEV**" determinerCode="**INSTANCE**"> id root="**1.2.840.114350.1.13.99998.8734**" /> asAgent classCode="**AGNT**"> representedOrganization determinerCode="**INSTANCE**" classCode="**ORG**"> id root="**1.2.840.114350.1.13.99998**" /> </representedOrganization> </asAgent> </device> </sender> controlActProcess classCode="**CACT**" moodCode="**EVN**"> subject typeCode="**SUBJ**"> registrationEvent classCode="**REG**" moodCode="**EVN**"> id nullFlavor="**NA**" /> statusCode code="**active**" /> subject1 typeCode="**SBJ**"> patient classCode="**PAT**"> id extension="**101**" assigningAuthorityName="**domain1**" root="**1.2.3.4.5.1000**" /> statusCode code="**active**" /> patientPerson> name> given>**John**</given> family>**SIMPSON**</family> </name>

Message Type	Message
	telecom use="**HP**" value="**tel:+1-514-555-1234**" />
	administrativeGenderCode code="**F**" />
	birthTime value="**19840711**" />
	addr>
	city>**Montreal**</city>
	</addr>
	personalRelationship classCode="**PRS**">
	code codeSystem="**2.16.840.1.113883.5.111**"
	codeSystemName="**PersonalRelationshipRoleType**" code="**MTH**"
	displayName="**Mother**" />
	relationshipHolder1 classCode="**PSN**" determinerCode="**INSTANCE**">
	name xsi:type="**urn:PN**" xmlns:urn="**urn:hl7-org:v3**">
	family>**AMSTRONG**</family>
	</name>
	</relationshipHolder1>
	</personalRelationship>
	</patientPerson>
	providerOrganization classCode="**ORG**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	contactParty classCode="**CON**">
	telecom value="**SENDER TELECOM GOES HERE!**" />
	</contactParty>
	</providerOrganization>
	</patient>
	</subject1>
	custodian typeCode="**CST**">
	assignedEntity classCode="**ASSIGNED**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	</assignedEntity>
	</custodian>
	</registrationEvent>
	</subject>
	</controlActProcess>
	</PRPA_IN201301UV02>
PIX Query: Number 1	PRPA_IN201309UV02 ITSVersion="**XML_1.0**" xmlns="**urn:hl7-org:v3**">
	id root="**4a8aa794-b703-401c-8677-cca493c22d14**" />
	creationTime value="**20090821104213**" />
	interactionId extension="**PRPA_IN201309UV02**"
	root="**2.16.840.1.113883.1.6**" />
	processingCode code="**P**" />
	processingModeCode code="**R**" />
	acceptAckCode code="**AL**" />
	receiver typeCode="**RCV**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99999.4567**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**"

Message Type	Message
	classCode="**ORG**"> id root="**1.2.840.114350.1.13.99999.1234**" /> </representedOrganization> </asAgent> </device> </receiver> sender typeCode="**SND**"> device classCode="**DEV**" determinerCode="**INSTANCE**"> id root="**1.2.840.114350.1.13.99998.8734**" /> asAgent classCode="**AGNT**"> representedOrganization determinerCode="**INSTANCE**" classCode="**ORG**"> id root="**1.2.840.114350.1.13.99998**" /> </representedOrganization> </asAgent> </device> </sender> controlActProcess classCode="**CACT**" moodCode="**EVN**"> code code="**PRPA_IN201309UV02**" codeSystem="**2.16.840.1.113883.1.6**" /> queryByParameter> queryId root="**10501Q1**" /> statusCode code="**new**" /> responsePriorityCode code="**I**" /> parameterList> dataSource> value root="**1.2.3.4.5.2000**" /> semanticsText>**DataSource.id**</semanticsText> </dataSource> patientIdentifier> value extension="**100**" assigningAuthorityName="**domain1**" root="**1.2.3.4.5.1000**" /> semanticsText>**Patient.id**</semanticsText> </patientIdentifier> </parameterList> </queryByParameter> </controlActProcess> </PRPA_IN201309UV02>
PIX Query: Number 2	PRPA_IN201309UV02 ITSVersion="**XML_1.0**" xmlns="**urn:hl7-org:v3**"> id root="**b425af6a-0ade-4720-89fc-599c3bda76cf**" /> creationTime value="**20090821104228**" /> interactionId extension="**PRPA_IN201309UV02**" root="**2.16.840.1.113883.1.6**" /> processingCode code="**P**" /> processingModeCode code="**R**" /> acceptAckCode code="**AL**" /> receiver typeCode="**RCV**">

Message Type	Message
	device classCode="DEV" determinerCode="INSTANCE">
	id root="1.2.840.114350.1.13.99999.4567" />
	asAgent classCode="AGNT">
	representedOrganization determinerCode="INSTANCE"
	classCode="ORG">
	id root="1.2.840.114350.1.13.99999.1234" />
	</representedOrganization>
	</asAgent>
	</device>
	</receiver>
	sender typeCode="SND">
	device classCode="DEV" determinerCode="INSTANCE">
	id root="1.2.840.114350.1.13.99998.8734" />
	asAgent classCode="AGNT">
	representedOrganization determinerCode="INSTANCE"
	classCode="ORG">
	id root="1.2.840.114350.1.13.99998" />
	</representedOrganization>
	</asAgent>
	</device>
	</sender>
	controlActProcess classCode="CACT" moodCode="EVN">
	code code="PRPA_IN201309UV02"
	codeSystem="2.16.840.1.113883.1.6" />
	queryByParameter>
	queryId root="10501Q2" />
	statusCode code="new" />
	responsePriorityCode code="I" />
	parameterList>
	dataSource>
	value root="1.2.3.4.5.2000" />
	semanticsText>DataSource.id</semanticsText>
	</dataSource>
	patientIdentifier>
	value extension="101" assigningAuthorityName="domain1"
	root="1.2.3.4.5.1000" />
	semanticsText>Patient.id</semanticsText>
	</patientIdentifier>
	</parameterList>
	</queryByParameter>
	</controlActProcess>
	</PRPA_IN201309UV02>
PIX Query Response Validation Context: Number 1	<?xml version="1.0" encoding="UTF-8" ?>
	n1:HL7V3MessageValidationContextDefinition
	xmlns:n1="http://www.nist.gov/hl7/core/xmlbeans/validation/message">
	FailureInterpretation>

Message Type	Message
	MessageFailure Type="**DATA**" Level="**ERROR**" />
	MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**" Level="**USER**" />
	</FailureInterpretation>
	MessageInstanceSpecificValues>
	<!-- assigningAuthorityName -->
	DataValueLocationItem>
	<XPath>**/*:PRPA_IN201310UV02/*:controlActProcess/*:subject/ *:registrationEvent/*:subject1/*:patient/*:id/@assigningAuthorit yName**</XPath>
	Value>
	PlainText>**domain2**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!-- extension -->
	DataValueLocationItem>
	<XPath>**/*:PRPA_IN201310UV02/*:controlActProcess/*:subject/ *:registrationEvent/*:subject1/*:patient/*:id/@extension**</XPath> >
	Value>
	PlainText>**200**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!-- root -->
	DataValueLocationItem>
	<XPath>**/*:PRPA_IN201310UV02/*:controlActProcess/*:subject/ *:registrationEvent/*:subject1/*:patient/*:id/@root**</XPath>
	Value>
	PlainText>**1.2.3.4.5.2000**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!-- ack type code -->
	DataValueLocationItem>
	<XPath>**/*:PRPA_IN201310UV02/*:acknowledgement/*:typeCod e/@code**</XPath>
	Value>
	PlainText>**AA**</PlainText>

Message Type	Message

	`</Value>`
	`</DataValueLocationItem>`
	`<!--`
	`Query  ack code`
	`-->`
	`DataValueLocationItem>`
	
	`<XPath>`**`/*:PRPA_IN201310UV02/*:controlActProcess/*:queryAck`**
	`/*:queryId/@root``</XPath>`
	`Value>`
	`PlainText>`**`10501Q1`**`</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`<!--`
	`Query response code`
	`-->`
	`DataValueLocationItem>`
	
	`<XPath>`**`/*:PRPA_IN201310UV02/*:controlActProcess/*:queryAck`**
	`/*:queryResponseCode/@code``</XPath>`
	`Value>`
	`PlainText>`**`OK`**`</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`</MessageInstanceSpecificValues>`
	`</n1:HL7V3MessageValidationContextDefinition>`

PIX Query Response Validation Context: Number 2	`<?xml version="1.0" encoding="UTF-8" ?>`
	`n1:HL7V3MessageValidationContextDefinition`
	`xmlns:n1="`**`http://www.nist.gov/hl7/core/xmlbeans/validation/message`**`">`
	`FailureInterpretation>`
	`MessageFailure Type="`**`DATA`**`" Level="`**`ERROR`**`" />`
	`MessageFailure Type="`**`MESSAGE_VALIDATION_CONTEXT`**`"`
	`Level="`**`USER`**`" />`
	`</FailureInterpretation>`
	`MessageInstanceSpecificValues>`
	`<!--`
	`ack type code`
	`-->`
	`DataValueLocationItem>`
	
	`<XPath>`**`/*:PRPA_IN201310UV02/*:acknowledgement/*:typeCode/@code`**`</XPath>`
	`Value>`
	`PlainText>`**`AA`**`</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`
	`<!--`

Message Type	Message

```
      Query  ack code
   -->
DataValueLocationItem>

  <XPath>/*:PRPA_IN201310UV02/*:controlActProcess/*:queryAck
  /*:queryId/@root</XPath>
Value>
PlainText>10501Q2</PlainText>
  </Value>
  </DataValueLocationItem>
  <!--
   Query  response code
   -->
DataValueLocationItem>

  <XPath>/*:PRPA_IN201310UV02/*:controlActProcess/*:queryAck
  /*:queryResponseCode/@code</XPath>
Value>
PlainText>NF</PlainText>
  </Value>
  </DataValueLocationItem>
  </MessageInstanceSpecificValues>
  </n1:HL7V3MessageValidationContextDefinition>
```

2.2.2   TEST CASE 10502v3: PIX QUERY CASE 3

Message Type	Message

Acknowledge Validation Content: All	`<?xml version="1.0" encoding="UTF-8" ?>`
	`n1:HL7V3MessageValidationContextDefinition`
	`  xmlns:n1="http://www.nist.gov/hl7/core/xmlbeans/validation/message">`
	`FailureInterpretation>`
	`MessageFailure Type="VERSION" Level="ERROR" />`
	`MessageFailure Type="LENGTH" Level="IGNORE" />`
	`MessageFailure Type="DATATYPE" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_STRUCTURE" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_STRUCTURE_ID" Level="ERROR" />`
	`MessageFailure Type="DATA" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_VALIDATION_CONTEXT" Level="USER" />`
	`  </FailureInterpretation>`
	`MessageInstanceSpecificValues>`
	`DataValueLocationItem>`
	
	`  <XPath>/*:MCCI_IN000002UV01/*:acknowledgement/*:typeCode/@code</XPath>`
	`Value>`

Message Type	Message
	PlainText>**CA**</PlainText> </Value> </DataValueLocationItem> </MessageInstanceSpecificValues> </n1:HL7V3MessageValidationContextDefinition>

Patient Add: Number 1	PRPA_IN201301UV02 ITSVersion="**XML_1.0**" xmlns="**urn:hl7-org:v3**"
	  xmlns:xsi="**http://www.w3.org/2001/XMLSchema-instance**">
	id root="**c3b31337-dd62-4b69-b70b-17bf67bf9a00**" />
	creationTime value="**20090818163705**" />
	interactionId extension="**PRPA_IN201301UV02**"
	  root="**2.16.840.1.113883.1.6**" />
	processingCode code="**P**" />
	processingModeCode code="**R**" />
	acceptAckCode code="**AL**" />
	receiver typeCode="**RCV**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99999.4567**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**"
	  classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99999.1234**" />
	 </representedOrganization>
	 </asAgent>
	 </device>
	 </receiver>
	sender typeCode="**SND**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**"
	  classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99998**" />
	 </representedOrganization>
	 </asAgent>
	 </device>
	 </sender>
	controlActProcess classCode="**CACT**" moodCode="**EVN**">
	subject typeCode="**SUBJ**">
	registrationEvent classCode="**REG**" moodCode="**EVN**">
	id nullFlavor="**NA**" />
	statusCode code="**active**" />
	subject1 typeCode="**SBJ**">
	patient classCode="**PAT**">
	id extension="**100**" assigningAuthorityName="**domain1**"
	  root="**1.2.3.4.5.1000**" />
	statusCode code="**active**" />
	patientPerson>

Message Type	Message
	name> given>**John**</given> family>**ALPHA**</family> </name> telecom use="**HP**" value="**tel:+1-514-555-1234**" /> administrativeGenderCode code="**F**" /> birthTime value="**19840711**" /> addr> city>**Montreal**</city> </addr> personalRelationship classCode="**PRS**"> code codeSystem="**2.16.840.1.113883.5.111**" codeSystemName="**PersonalRelationshipRoleType**" code="**MTH**" displayName="**Mother**" /> relationshipHolder1 classCode="**PSN**" determinerCode="**INSTANCE**"> name xsi:type="**urn:PN**" xmlns:urn="**urn:hl7-org:v3**"> family>**Barnes**</family> </name> </relationshipHolder1> </personalRelationship> </patientPerson> providerOrganization classCode="**ORG**" determinerCode="**INSTANCE**"> id root="**1.2.840.114350.1.13.99998.8734**" /> contactParty classCode="**CON**"> telecom value="**SENDER TELECOM GOES HERE!**" /> </contactParty> </providerOrganization> </patient> </subject1> custodian typeCode="**CST**"> assignedEntity classCode="**ASSIGNED**"> id root="**1.2.840.114350.1.13.99998.8734**" /> </assignedEntity> </custodian> </registrationEvent> </subject> </controlActProcess> </PRPA_IN201301UV02>
Patient Add: Number 2	PRPA_IN201301UV02 ITSVersion="**XML_1.0**" xmlns="**urn:hl7-org:v3**" xmlns:xsi="**http://www.w3.org/2001/XMLSchema-instance**"> id root="**d0186b53-da99-4a0c-a9f3-e686aef25b30**" /> creationTime value="**20090818163718**" /> interactionId extension="**PRPA_IN201301UV02**" root="**2.16.840.1.113883.1.6**" /> processingCode code="**P**" /> processingModeCode code="**R**" /> acceptAckCode code="**AL**" />

Message Type	Message
	receiver typeCode="**RCV**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99999.4567**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**"
	classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99999.1234**" />
	</representedOrganization>
	</asAgent>
	</device>
	</receiver>
	sender typeCode="**SND**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**"
	classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99998**" />
	</representedOrganization>
	</asAgent>
	</device>
	</sender>
	controlActProcess classCode="**CACT**" moodCode="**EVN**">
	subject typeCode="**SUBJ**">
	registrationEvent classCode="**REG**" moodCode="**EVN**">
	id nullFlavor="**NA**" />
	statusCode code="**active**" />
	subject1 typeCode="**SBJ**">
	patient classCode="**PAT**">
	id extension="**101**" assigningAuthorityName="**domain1**"
	root="**1.2.3.4.5.1000**" />
	statusCode code="**active**" />
	patientPerson>
	name>
	given>**John**</given>
	family>**SIMPSON**</family>
	</name>
	telecom use="**HP**" value="**tel:+1-514-555-1234**" />
	administrativeGenderCode code="**F**" />
	birthTime value="**19840711**" />
	addr>
	city>**Montreal**</city>
	</addr>
	personalRelationship classCode="**PRS**">
	code codeSystem="**2.16.840.1.113883.5.111**"
	codeSystemName="**PersonalRelationshipRoleType**" code="**MTH**"
	displayName="**Mother**" />

Message Type	Message
	relationshipHolder1 classCode="PSN" determinerCode="INSTANCE"> name xsi:type="urn:PN" xmlns:urn="urn:hl7-org:v3"> family>AMSTRONG</family> </name> </relationshipHolder1> </personalRelationship> </patientPerson> providerOrganization classCode="ORG" determinerCode="INSTANCE"> id root="1.2.840.114350.1.13.99998.8734" /> contactParty classCode="CON"> telecom value="SENDER TELECOM GOES HERE!" /> </contactParty> </providerOrganization> </patient> </subject1> custodian typeCode="CST"> assignedEntity classCode="ASSIGNED"> id root="1.2.840.114350.1.13.99998.8734" /> </assignedEntity> </custodian> </registrationEvent> </subject> </controlActProcess> </PRPA_IN201301UV02>
PIX Query	PRPA_IN201309UV02 ITSVersion="XML_1.0" xmlns="urn:hl7-org:v3"> id root="6d79fe84-133c-4c15-9534-79642f13881b" /> creationTime value="20090821104312" /> interactionId extension="PRPA_IN201309UV02" root="2.16.840.1.113883.1.6" /> processingCode code="P" /> processingModeCode code="R" /> acceptAckCode code="AL" /> receiver typeCode="RCV"> device classCode="DEV" determinerCode="INSTANCE"> id root="1.2.840.114350.1.13.99999.4567" /> asAgent classCode="AGNT"> representedOrganization determinerCode="INSTANCE" classCode="ORG"> id root="1.2.840.114350.1.13.99999.1234" /> </representedOrganization> </asAgent> </device> </receiver> sender typeCode="SND"> device classCode="DEV" determinerCode="INSTANCE"> id root="1.2.840.114350.1.13.99998.8734" /> asAgent classCode="AGNT">

Message Type	Message
	representedOrganization determinerCode="INSTANCE" classCode="ORG"> id root="1.2.840.114350.1.13.99998" /> </representedOrganization> </asAgent> </device> </sender> controlActProcess classCode="CACT" moodCode="EVN"> code code="PRPA_IN201309UV02" codeSystem="2.16.840.1.113883.1.6" /> queryByParameter> queryId root="10502Q1" /> statusCode code="new" /> responsePriorityCode code="I" /> parameterList> patientIdentifier> value extension="109" assigningAuthorityName="domain1" root="1.2.3.4.5.1000" /> semanticsText>Patient.id</semanticsText> </patientIdentifier> </parameterList> </queryByParameter> </controlActProcess> </PRPA_IN201309UV02>
PIX Query Response Validation Context	<?xml version="1.0" encoding="UTF-8" ?> n1:HL7V3MessageValidationContextDefinition xmlns:n1="http://www.nist.gov/hl7/core/xmlbeans/validation/message"> FailureInterpretation> MessageFailure Type="DATA" Level="ERROR" /> MessageFailure Type="MESSAGE_VALIDATION_CONTEXT" Level="USER" /> </FailureInterpretation> MessageInstanceSpecificValues> <!-- ack type code --> DataValueLocationItem> <XPath>/*:PRPA_IN201310UV02/*:acknowledgement/*:typeCode/@code</XPath> Value> PlainText>AE</PlainText> </Value> </DataValueLocationItem> <!-- acknowledgementDetail -->

Message Type	Message
	DataValueLocationItem>
	<XPath>**/*:PRPA_IN201310UV02/*:acknowledgement/*:acknowl edgementDetail/@typeCode**</XPath>
	Value>
	PlainText>**E**</PlainText>
	</Value>
	</DataValueLocationItem>
	DataValueLocationItem>
	<XPath>**/*:PRPA_IN201310UV02/*:acknowledgement/*:acknowl edgementDetail/*:code**</XPath>
	Value>
	PlainText>**240**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	acknowledgementDetail text
	-->
	DataValueLocationItem>
	<XPath>**/*:PRPA_IN201310UV02/*:acknowledgement/*:acknowl edgementDetail/*:text**</XPath>
	Value>
	PlainText>**Unknown key identifier**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	Query response code
	-->
	DataValueLocationItem>
	<XPath>**/*:PRPA_IN201310UV02/*:controlActProcess/*:queryAck /*:queryResponseCode/@code**</XPath>
	Value>
	PlainText>**AE**</PlainText>
	</Value>
	</DataValueLocationItem>
	</MessageInstanceSpecificValues>
	</n1:HL7V3MessageValidationContextDefinition>

2.2.3 TEST CASE 10503v3: PIX QUERY CASE 4

Message Type	Message
PIX Query	PRPA_IN201309UV02 ITSVersion="**XML_1.0**" xmlns="**urn:hl7-org:v3**"> id root="**5d9728c6-cdb9-4039-a2a5-379203f08099**" /> creationTime value="**20090821104335**" />

Message Type	Message
	interactionId extension="**PRPA_IN201309UV02**" root="**2.16.840.1.113883.1.6**" />
	processingCode code="**P**" />
	processingModeCode code="**R**" />
	acceptAckCode code="**AL**" />
	receiver typeCode="**RCV**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99999.4567**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**" classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99999.1234**" />
	</representedOrganization>
	</asAgent>
	</device>
	</receiver>
	sender typeCode="**SND**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**" classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99998**" />
	</representedOrganization>
	</asAgent>
	</device>
	</sender>
	controlActProcess classCode="**CACT**" moodCode="**EVN**">
	code code="**PRPA_IN201309UV02**" codeSystem="**2.16.840.1.113883.1.6**" />
	queryByParameter>
	queryId root="**10503Q1**" />
	statusCode code="**new**" />
	responsePriorityCode code="**I**" />
	parameterList>
	dataSource>
	value root="**1.2.3.4.5.8888**" />
	semanticsText>**DataSource.id**</semanticsText>
	</dataSource>
	patientIdentifier>
	value extension="**100**" assigningAuthorityName="**UnknownDomain1**" root="**1.2.3.4.5.9999**" />
	semanticsText>**Patient.id**</semanticsText>
	</patientIdentifier>
	</parameterList>
	</queryByParameter>
	</controlActProcess>

Message Type	Message
	</PRPA_IN201309UV02>
PIX Query Response Validation Context	<?xml version="1.0" encoding="UTF-8" ?> n1:HL7V3MessageValidationContextDefinition xmlns:n1="**http://www.nist.gov/hl7/core/xmlbeans/validation/message**"> FailureInterpretation> MessageFailure Type="**DATA**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**" Level="**USER**" /> </FailureInterpretation> MessageInstanceSpecificValues> <!-- ack type code --> DataValueLocationItem> <XPath>**/*:PRPA_IN201310UV02/*:acknowledgement/*:typeCode/@code**</XPath> Value> PlainText>**AE**</PlainText> </Value> </DataValueLocationItem> <!-- acknowledgementDetail code --> <!-- acknowledgementDetail --> DataValueLocationItem> <XPath>**/*:PRPA_IN201310UV02/*:acknowledgement/*:acknowledgementDetail/@typeCode**</XPath> Value> PlainText>**E**</PlainText> </Value> </DataValueLocationItem> DataValueLocationItem> <XPath>**/*:PRPA_IN201310UV02/*:acknowledgement/*:acknowledgementDetail/*:code**</XPath> Value> PlainText>**240**</PlainText> </Value> </DataValueLocationItem> <!-- acknowledgementDetail text --> DataValueLocationItem>

Message Type	Message

```
<XPath>/*:PRPA_IN201310UV02/*:acknowledgement/*:acknowl
edgementDetail/*:text</XPath>
Value>
PlainText>Unknown key identifier</PlainText>
</Value>
</DataValueLocationItem>
<!--
Query   response code
-->
DataValueLocationItem>

<XPath>/*:PRPA_IN201310UV02/*:controlActProcess/*:queryAck
/*:queryResponseCode/@code</XPath>
Value>
PlainText>AE</PlainText>
</Value>
</DataValueLocationItem>
</MessageInstanceSpecificValues>
</n1:HL7V3MessageValidationContextDefinition>
```

2.2.4   TEST CASE 10506v3: PIX QUERY PATIENT UPDATE

Message Type	Message

Acknowledge Validation Content: All	`<?xml version="1.0" encoding="UTF-8" ?>`
	`n1:HL7V3MessageValidationContextDefinition`
	`xmlns:n1="http://www.nist.gov/hl7/core/xmlbeans/validation/message">`
	`FailureInterpretation>`
	`MessageFailure Type="VERSION" Level="ERROR" />`
	`MessageFailure Type="LENGTH" Level="IGNORE" />`
	`MessageFailure Type="DATATYPE" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_STRUCTURE" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_STRUCTURE_ID" Level="ERROR" />`
	`MessageFailure Type="DATA" Level="ERROR" />`
	`MessageFailure Type="MESSAGE_VALIDATION_CONTEXT" Level="USER" />`
	`</FailureInterpretation>`
	`MessageInstanceSpecificValues>`
	`DataValueLocationItem>`
	
	`<XPath>/*:MCCI_IN000002UV01/*:acknowledgement/*:typeCode/@code</XPath>`
	`Value>`
	`PlainText>CA</PlainText>`
	`</Value>`
	`</DataValueLocationItem>`

Message Type	Message
	`</MessageInstanceSpecificValues>` `</n1:HL7V3MessageValidationContextDefinition>`

Patient Add:
Number 1
	PRPA_IN201301UV02 ITSVersion="**XML_1.0**" xmlns="**urn:hl7-org:v3**"
	 xmlns:xsi="**http://www.w3.org/2001/XMLSchema-instance**">ch
	id root="**4c117afc-6473-4689-82ec-241e1196a57b**" />
	creationTime value="**20090831133241**" />
	interactionId extension="**PRPA_IN201301UV02**"
	 root="**2.16.840.1.113883.1.6**" />
	processingCode code="**P**" />
	processingModeCode code="**R**" />
	acceptAckCode code="**AL**" />
	receiver typeCode="**RCV**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99999.4567**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**"
	 classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99999.1234**" />
	 `</representedOrganization>`
	 `</asAgent>`
	 `</device>`
	 `</receiver>`
	sender typeCode="**SND**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**"
	 classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99998**" />
	 `</representedOrganization>`
	 `</asAgent>`
	 `</device>`
	 `</sender>`
	controlActProcess classCode="**CACT**" moodCode="**EVN**">
	subject typeCode="**SUBJ**">
	registrationEvent classCode="**REG**" moodCode="**EVN**">
	id nullFlavor="**NA**" />
	statusCode code="**active**" />
	subject1 typeCode="**SBJ**">
	patient classCode="**PAT**">
	id extension="**100**" assigningAuthorityName="**domain1**"
	 root="**1.2.3.4.5.1000**" />
	statusCode code="**active**" />
	patientPerson>
	name>
	given>**John**</given>
	family>**Simpson**</family>

Message Type	Message

	`</name>`
	`telecom use="HP" value="tel:+1-514-555-1234" />`
	`administrativeGenderCode code="F" />`
	`birthTime value="19840711" />`
	`addr>`
	`city>Montreal</city>`
	`</addr>`
	`personalRelationship classCode="PRS">`
	`code codeSystem="2.16.840.1.113883.5.111"`
	`  codeSystemName="PersonalRelationshipRoleType" code="MTH"`
	`  displayName="Mother" />`
	`relationshipHolder1 classCode="PSN" determinerCode="INSTANCE">`
	`name xsi:type="urn:PN" xmlns:urn="urn:hl7-org:v3">`
	`family>Albert</family>`
	`</name>`
	`</relationshipHolder1>`
	`</personalRelationship>`
	`</patientPerson>`
	`providerOrganization classCode="ORG" determinerCode="INSTANCE">`
	`id root="1.2.840.114350.1.13.99998.8734" />`
	`contactParty classCode="CON" />`
	`</providerOrganization>`
	`</patient>`
	`</subject1>`
	`custodian typeCode="CST">`
	`assignedEntity classCode="ASSIGNED">`
	`id root="1.2.840.114350.1.13.99998.8734" />`
	`</assignedEntity>`
	`</custodian>`
	`</registrationEvent>`
	`</subject>`
	`</controlActProcess>`
	`</PRPA_IN201301UV02>`

Patient Add: Number 2	`PRPA_IN201301UV02 ITSVersion="XML_1.0" xmlns="urn:hl7-org:v3"`
	`  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">`
	`id root="5c2951ed-5896-487b-97e1-16a8031afb46" />`
	`creationTime value="20090831133409" />`
	`interactionId extension="PRPA_IN201301UV02"`
	`  root="2.16.840.1.113883.1.6" />`
	`processingCode code="P" />`
	`processingModeCode code="R" />`
	`acceptAckCode code="AL" />`
	`receiver typeCode="RCV">`
	`device classCode="DEV" determinerCode="INSTANCE">`
	`id root="1.2.840.114350.1.13.99999.4567" />`
	`asAgent classCode="AGNT">`
	`representedOrganization determinerCode="INSTANCE"`

Message Type	Message
	classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99999.1234**" />
	</representedOrganization>
	</asAgent>
	</device>
	</receiver>
	sender typeCode="**SND**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**"
	classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99998**" />
	</representedOrganization>
	</asAgent>
	</device>
	</sender>
	controlActProcess classCode="**CACT**" moodCode="**EVN**">
	subject typeCode="**SUBJ**">
	registrationEvent classCode="**REG**" moodCode="**EVN**">
	id nullFlavor="**NA**" />
	statusCode code="**active**" />
	subject1 typeCode="**SBJ**">
	patient classCode="**PAT**">
	id extension="**200**" assigningAuthorityName="**domain2**"
	root="**1.2.3.4.5.2000**" />
	statusCode code="**active**" />
	patientPerson>
	name>
	given>**Jhn**</given>
	family>**Spson**</family>
	</name>
	telecom use="**HP**" value="**tel:+1-514-555-1234**" />
	administrativeGenderCode code="**F**" />
	birthTime value="**19840715**" />
	addr>
	city>**Montreal**</city>
	</addr>
	personalRelationship classCode="**PRS**">
	code codeSystem="**2.16.840.1.113883.5.111**"
	codeSystemName="**PersonalRelationshipRoleType**" code="**MTH**"
	displayName="**Mother**" />
	relationshipHolder1 classCode="**PSN**" determinerCode="**INSTANCE**">
	name xsi:type="**urn:PN**" xmlns:urn="**urn:hl7-org:v3**">
	family>**Albrt**</family>
	</name>
	</relationshipHolder1>

Message Type	Message

	`</personalRelationship>`
	`</patientPerson>`
	`providerOrganization classCode="ORG" determinerCode="INSTANCE">`
	`id root="1.2.840.114350.1.13.99998.8734" />`
	`contactParty classCode="CON" />`
	`</providerOrganization>`
	`</patient>`
	`</subject1>`
	`custodian typeCode="CST">`
	`assignedEntity classCode="ASSIGNED">`
	`id root="1.2.840.114350.1.13.99998.8734" />`
	`</assignedEntity>`
	`</custodian>`
	`</registrationEvent>`
	`</subject>`
	`</controlActProcess>`
	`</PRPA_IN201301UV02>`

Patient Update	`PRPA_IN201302UV02 ITSVersion="XML_1.0" xmlns="urn:hl7-org:v3"`
	`  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">`
	`id root="36834a1b-6d39-456c-8040-6d9a3a25bee6" />`
	`creationTime value="20090831133457" />`
	`interactionId extension="PRPA_IN201302UV02"`
	`  root="2.16.840.1.113883.1.6" />`
	`processingCode code="P" />`
	`processingModeCode code="R" />`
	`acceptAckCode code="AL" />`
	`receiver typeCode="RCV">`
	`device classCode="DEV" determinerCode="INSTANCE">`
	`id root="1.2.840.114350.1.13.99999.4567" />`
	`asAgent classCode="AGNT">`
	`representedOrganization determinerCode="INSTANCE"`
	`  classCode="ORG">`
	`id root="1.2.840.114350.1.13.99999.1234" />`
	`</representedOrganization>`
	`</asAgent>`
	`</device>`
	`</receiver>`
	`sender typeCode="SND">`
	`device classCode="DEV" determinerCode="INSTANCE">`
	`id root="1.2.840.114350.1.13.99998.8734" />`
	`asAgent classCode="AGNT">`
	`representedOrganization determinerCode="INSTANCE"`
	`  classCode="ORG">`
	`id root="1.2.840.114350.1.13.99998" />`
	`</representedOrganization>`
	`</asAgent>`
	`</device>`

Message Type	Message

```
  </sender>
  controlActProcess classCode="CACT" moodCode="EVN">
  subject typeCode="SUBJ">
  registrationEvent classCode="REG" moodCode="EVN">
  id nullFlavor="NA" />
  statusCode code="active" />
  subject1 typeCode="SBJ">
  patient classCode="PAT">
  id assigningAuthorityName="domain2" extension="200"
   root="1.2.3.4.5.2000" />
  statusCode code="active" />
  patientPerson>
  name>
  given>John</given>
  family>Simpson</family>
   </name>
  telecom use="HP" value="tel:+1-514-555-1234" />
  administrativeGenderCode code="F" />
  birthTime value="19840711" />
  addr>
  city>Montreal</city>
   </addr>
  personalRelationship classCode="PRS">
  code codeSystem="2.16.840.1.113883.5.111"
   codeSystemName="PersonalRelationshipRoleType" code="MTH"
   displayName="Mother" />
  relationshipHolder1 classCode="PSN" determinerCode="INSTANCE">
  name xsi:type="urn:PN" xmlns:urn="urn:hl7-org:v3">
  family>Albert</family>
   </name>
   </relationshipHolder1>
   </personalRelationship>
   </patientPerson>
  providerOrganization classCode="ORG" determinerCode="INSTANCE">
  id root="1.2.840.114350.1.13.99998.8734" />
  contactParty classCode="CON" />
   </providerOrganization>
   </patient>
   </subject1>
  custodian typeCode="CST">
  assignedEntity classCode="ASSIGNED">
  id root="1.2.840.114350.1.13.99998.8734" />
   </assignedEntity>
   </custodian>
   </registrationEvent>
   </subject>
   </controlActProcess>
```

Message Type	Message
	`</PRPA_IN201302UV02>`
PIX Query	`PRPA_IN201309UV02 ITSVersion="XML_1.0" xmlns="urn:hl7-org:v3">`
	`id root="28bbddad-5a16-4cf6-a57e-a4579dcc2de6" />`
	`creationTime value="20090831152446" />`
	`interactionId extension="PRPA_IN201309UV02"`
	`  root="2.16.840.1.113883.1.6" />`
	`processingCode code="P" />`
	`processingModeCode code="R" />`
	`acceptAckCode code="AL" />`
	`receiver typeCode="RCV">`
	`device classCode="DEV" determinerCode="INSTANCE">`
	`id root="1.2.840.114350.1.13.99999.4567" />`
	`asAgent classCode="AGNT">`
	`representedOrganization determinerCode="INSTANCE"`
	`  classCode="ORG">`
	`id root="1.2.840.114350.1.13.99999.1234" />`
	` </representedOrganization>`
	` </asAgent>`
	` </device>`
	` </receiver>`
	`sender typeCode="SND">`
	`device classCode="DEV" determinerCode="INSTANCE">`
	`id root="1.2.840.114350.1.13.99998.8734" />`
	`asAgent classCode="AGNT">`
	`representedOrganization determinerCode="INSTANCE"`
	`  classCode="ORG">`
	`id root="1.2.840.114350.1.13.99998" />`
	` </representedOrganization>`
	` </asAgent>`
	` </device>`
	` </sender>`
	`controlActProcess classCode="CACT" moodCode="EVN">`
	`code code="PRPA_IN201309UV02"`
	`  codeSystem="2.16.840.1.113883.1.6" />`
	`queryByParameter>`
	`queryId root="10506Q1" />`
	`statusCode code="new" />`
	`responsePriorityCode code="I" />`
	`parameterList>`
	`dataSource>`
	`value extension="200" assigningAuthorityName="domain2"`
	`  root="1.2.3.4.5.2000" />`
	`semanticsText>DataSource.id</semanticsText>`
	` </dataSource>`
	`patientIdentifier>`
	`value extension="100" assigningAuthorityName="domain1"`
	`  root="1.2.3.4.5.1000" />`

Message Type	Message
	semanticsText>**Patient.id**</semanticsText> </patientIdentifier> </parameterList> </queryByParameter> </controlActProcess> </PRPA_IN201309UV02>
PIX Query Response Validation Context	<?xml version="1.0" encoding="UTF-8" ?> n1:HL7V3MessageValidationContextDefinition xmlns:n1="**http://www.nist.gov/hl7/core/xmlbeans/validation/message**"> FailureInterpretation> MessageFailure Type="**DATA**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**" Level="**USER**" /> </FailureInterpretation> MessageInstanceSpecificValues> <!-- assigningAuthorityName --> DataValueLocationItem> <XPath>**/*:PRPA_IN201310UV02/*:controlActProcess/*:subject/ *:registrationEvent/*:subject1/*:patient/*:id/@assigningAuthorityName**</XPath> Value> PlainText>**domain1**</PlainText> </Value> </DataValueLocationItem> <!-- extension --> DataValueLocationItem> <XPath>**/*:PRPA_IN201310UV02/*:controlActProcess/*:subject/ *:registrationEvent/*:subject1/*:patient/*:id/@extension**</XPath> Value> PlainText>**100**</PlainText> </Value> </DataValueLocationItem> <!-- root --> DataValueLocationItem> <XPath>**/*:PRPA_IN201310UV02/*:controlActProcess/*:subject/ *:registrationEvent/*:subject1/*:patient/*:id/@root**</XPath> Value>

Message Type	Message
	PlainText>**1.2.3.4.5.1000**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	ack type code
	-->
	DataValueLocationItem>
	<XPath>**/*:PRPA_IN201310UV02/*:acknowledgement/*:typeCode/@code**</XPath>
	Value>
	PlainText>**AA**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	Query ack code
	-->
	DataValueLocationItem>
	<XPath>**/*:PRPA_IN201310UV02/*:controlActProcess/*:queryAck/*:queryId/@root**</XPath>
	Value>
	PlainText>**10506Q1**</PlainText>
	</Value>
	</DataValueLocationItem>
	<!--
	Query response code
	-->
	DataValueLocationItem>
	<XPath>**/*:PRPA_IN201310UV02/*:controlActProcess/*:queryAck/*:queryResponseCode/@code**</XPath>
	Value>
	PlainText>**OK**</PlainText>
	</Value>
	</DataValueLocationItem>
	</MessageInstanceSpecificValues>
	</n1:HL7V3MessageValidationContextDefinition>

2.2.5 TEST CASE 10512v3: PIX PATIENT FEED

Message Type	Message
Acknowledge Validation Content: All	<?xml version="1.0" encoding="UTF-8" ?>
	n1:HL7V3MessageValidationContextDefinition
	xmlns:n1="**http://www.nist.gov/hl7/core/xmlbeans/validation/message**">
	FailureInterpretation>

Message Type	Message
	MessageFailure Type="**VERSION**" Level="**ERROR**" /> MessageFailure Type="**LENGTH**" Level="**IGNORE**" /> MessageFailure Type="**DATATYPE**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_STRUCTURE**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_STRUCTURE_ID**" Level="**ERROR**" /> MessageFailure Type="**DATA**" Level="**ERROR**" /> MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**" Level="**USER**" /> </FailureInterpretation> MessageInstanceSpecificValues> DataValueLocationItem> <XPath>**/*:MCCI_IN000002UV01/*:acknowledgement/*:typeCode /@code**</XPath> Value> PlainText>**CA**</PlainText> </Value> </DataValueLocationItem> </MessageInstanceSpecificValues> </n1:HL7V3MessageValidationContextDefinition>
Add Patient: Number 1	PRPA_IN201301UV02 ITSVersion="**XML_1.0**" xmlns="**urn:hl7-org:v3**" xmlns:xsi="**http://www.w3.org/2001/XMLSchema-instance**"> id root="**29fc4647-c7a3-4520-ba1f-99cd20e17adf**" /> creationTime value="**20090818164138**" /> interactionId extension="**PRPA_IN201301UV02**" root="**2.16.840.1.113883.1.6**" /> processingCode code="**P**" /> processingModeCode code="**R**" /> acceptAckCode code="**AL**" /> receiver typeCode="**RCV**"> device classCode="**DEV**" determinerCode="**INSTANCE**"> id root="**1.2.840.114350.1.13.99999.4567**" /> asAgent classCode="**AGNT**"> representedOrganization determinerCode="**INSTANCE**" classCode="**ORG**"> id root="**1.2.840.114350.1.13.99999.1234**" /> </representedOrganization> </asAgent> </device> </receiver> sender typeCode="**SND**"> device classCode="**DEV**" determinerCode="**INSTANCE**"> id root="**1.2.840.114350.1.13.99998.8734**" /> asAgent classCode="**AGNT**"> representedOrganization determinerCode="**INSTANCE**" classCode="**ORG**"> id root="**1.2.840.114350.1.13.99998**" />

Message Type	Message

	`</representedOrganization>`
	`</asAgent>`
	`</device>`
	`</sender>`
	`controlActProcess classCode="CACT" moodCode="EVN">`
	`subject typeCode="SUBJ">`
	`registrationEvent classCode="REG" moodCode="EVN">`
	`id nullFlavor="NA" />`
	`statusCode code="active" />`
	`subject1 typeCode="SBJ">`
	`patient classCode="PAT">`
	`id extension="120" assigningAuthorityName="domain1"`
	`  root="1.2.3.4.5.1000" />`
	`statusCode code="active" />`
	`patientPerson>`
	`name>`
	`given>ELLIE</given>`
	`family>EPSILON</family>`
	`  </name>`
	`telecom use="HP" value="tel:314.555.1234" />`
	`telecom use="HP" value="tel:314.555.4444" />`
	`administrativeGenderCode code="F" />`
	`birthTime value="19380224" />`
	`addr>`
	`streetAddressLine>1 PINETREE</streetAddressLine>`
	`city>WEBSTER</city>`
	`state>MO</state>`
	`postalCode>63119</postalCode>`
	`  </addr>`
	`personalRelationship classCode="PRS">`
	`code codeSystem="2.16.840.1.113883.5.111"`
	`  codeSystemName="PersonalRelationshipRoleType" code="MTH"`
	`  displayName="Mother" />`
	`relationshipHolder1 classCode="PSN" determinerCode="INSTANCE">`
	`name xsi:type="urn:PN" xmlns:urn="urn:hl7-org:v3">`
	`family>Barnes</family>`
	`  </name>`
	`  </relationshipHolder1>`
	`  </personalRelationship>`
	`  </patientPerson>`
	`providerOrganization classCode="ORG" determinerCode="INSTANCE">`
	`id root="1.2.840.114350.1.13.99998.8734" />`
	`contactParty classCode="CON">`
	`telecom value="SENDER TELECOM GOES HERE!" />`
	`  </contactParty>`
	`  </providerOrganization>`
	`  </patient>`

Message Type	Message

	`</subject1>`
	`custodian typeCode="CST">`
	`assignedEntity classCode="ASSIGNED">`
	`id root="1.2.840.114350.1.13.99998.8734" />`
	`</assignedEntity>`
	`</custodian>`
	`</registrationEvent>`
	`</subject>`
	`</controlActProcess>`
	`</PRPA_IN201301UV02>`

Add Patient:
Number 2
	`PRPA_IN201301UV02 ITSVersion="XML_1.0" xmlns="urn:hl7-org:v3">`
	`id root="4bcc595c-c336-4fd7-a2ce-70f33721db30" />`
	`creationTime value="20090818164145" />`
	`interactionId extension="PRPA_IN201301UV02"`
	`  root="2.16.840.1.113883.1.6" />`
	`processingCode code="P" />`
	`processingModeCode code="R" />`
	`acceptAckCode code="AL" />`
	`receiver typeCode="RCV">`
	`device classCode="DEV" determinerCode="INSTANCE">`
	`id root="1.2.840.114350.1.13.99999.4567" />`
	`asAgent classCode="AGNT">`
	`representedOrganization determinerCode="INSTANCE"`
	`  classCode="ORG">`
	`id root="1.2.840.114350.1.13.99999.1234" />`
	`</representedOrganization>`
	`</asAgent>`
	`</device>`
	`</receiver>`
	`sender typeCode="SND">`
	`device classCode="DEV" determinerCode="INSTANCE">`
	`id root="1.2.840.114350.1.13.99998.8734" />`
	`asAgent classCode="AGNT">`
	`representedOrganization determinerCode="INSTANCE"`
	`  classCode="ORG">`
	`id root="1.2.840.114350.1.13.99998" />`
	`</representedOrganization>`
	`</asAgent>`
	`</device>`
	`</sender>`
	`controlActProcess classCode="CACT" moodCode="EVN">`
	`subject typeCode="SUBJ">`
	`registrationEvent classCode="REG" moodCode="EVN">`
	`id nullFlavor="NA" />`
	`statusCode code="active" />`
	`subject1 typeCode="SBJ">`
	`patient classCode="PAT">`

Message Type	Message
	id extension="**120**" assigningAuthorityName="**domain1**" /> statusCode code="**active**" /> patientPerson> name> given>**ELLIE**</given> family>**EPSILON**</family> </name> telecom use="HP" value="**tel:314.555.1234**" /> telecom use="HP" value="**tel:314.555.4444**" /> administrativeGenderCode code="**F**" /> birthTime value="**19380224**" /> addr> streetAddressLine>**1 PINETREE**</streetAddressLine> city>**WEBSTER**</city> state>**MO**</state> postalCode>**63119**</postalCode> </addr> </patientPerson> providerOrganization classCode="**ORG**" determinerCode="**INSTANCE**"> id root="**1.2.840.114350.1.13.99998.8734**" /> contactParty classCode="**CON**"> telecom value="**SENDER TELECOM GOES HERE!**" /> </contactParty> </providerOrganization> </patient> </subject1> custodian typeCode="**CST**"> assignedEntity classCode="**ASSIGNED**"> id root="**1.2.840.114350.1.13.99998.8734**" /> </assignedEntity> </custodian> </registrationEvent> </subject> </controlActProcess> </PRPA_IN201301UV02>
Add Patient: Numbwe 3	PRPA_IN201301UV02 ITSVersion="**XML_1.0**" xmlns="**urn:hl7-org:v3**" xmlns:xsi="**http://www.w3.org/2001/XMLSchema-instance**"> id root="**2499fee7-5469-49d6-8806-f04e8fe9ea18**" /> creationTime value="**20090818164154**" /> interactionId extension="**PRPA_IN201301UV02**" root="**2.16.840.1.113883.1.6**" /> processingCode code="**P**" /> processingModeCode code="**R**" /> acceptAckCode code="**AL**" /> receiver typeCode="**RCV**"> device classCode="**DEV**" determinerCode="**INSTANCE**"> id root="**1.2.840.114350.1.13.99999.4567**" />

Message Type	Message
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**" classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99999.1234**" />
	</representedOrganization>
	</asAgent>
	</device>
	</receiver>
	sender typeCode="**SND**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**" classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99998**" />
	</representedOrganization>
	</asAgent>
	</device>
	</sender>
	controlActProcess classCode="**CACT**" moodCode="**EVN**">
	subject typeCode="**SUBJ**">
	registrationEvent classCode="**REG**" moodCode="**EVN**">
	id nullFlavor="**NA**" />
	statusCode code="**active**" />
	subject1 typeCode="**SBJ**">
	patient classCode="**PAT**">
	id extension="**120**" root="**1.2.3.4.5.1000**" />
	statusCode code="**active**" />
	patientPerson>
	name>
	given>**ELLIE**</given>
	family>**EPSILON**</family>
	</name>
	telecom use="**HP**" value="**tel:314.555.1234**" />
	telecom use="**HP**" value="**tel:314.555.4444**" />
	administrativeGenderCode code="**F**" />
	birthTime value="**19380224**" />
	addr>
	streetAddressLine>**1 PINETREE**</streetAddressLine>
	city>**WEBSTER**</city>
	state>**MO**</state>
	postalCode>**63119**</postalCode>
	</addr>
	personalRelationship classCode="**PRS**">
	code codeSystem="**2.16.840.1.113883.5.111**" codeSystemName="**PersonalRelationshipRoleType**" code="**MTH**" displayName="**Mother**" />

Message Type	Message
	relationshipHolder1 classCode="**PSN**" determinerCode="**INSTANCE**">
	name xsi:type="**urn:PN**" xmlns:urn="**urn:hl7-org:v3**">
	family>**Barnes**</family>
	</name>
	</relationshipHolder1>
	</personalRelationship>
	</patientPerson>
	providerOrganization classCode="**ORG**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	contactParty classCode="**CON**">
	telecom value="**SENDER TELECOM GOES HERE!**" />
	</contactParty>
	</providerOrganization>
	</patient>
	</subject1>
	custodian typeCode="**CST**">
	assignedEntity classCode="**ASSIGNED**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	</assignedEntity>
	</custodian>
	</registrationEvent>
	</subject>
	</controlActProcess>
	</PRPA_IN201301UV02>

2.2.6 TEST CASE 10515v3: PATIENT IDENTITY MERGE

Message Type	Message
Acknowledge Validation Content: All	<?xml version="1.0" encoding="UTF-8" ?>
	n1:HL7V3MessageValidationContextDefinition
	xmlns:n1="**http://www.nist.gov/hl7/core/xmlbeans/validation/message**">
	FailureInterpretation>
	MessageFailure Type="**VERSION**" Level="**ERROR**" />
	MessageFailure Type="**LENGTH**" Level="**IGNORE**" />
	MessageFailure Type="**DATATYPE**" Level="**ERROR**" />
	MessageFailure Type="**MESSAGE_STRUCTURE**" Level="**ERROR**" />
	MessageFailure Type="**MESSAGE_STRUCTURE_ID**" Level="**ERROR**" />
	MessageFailure Type="**DATA**" Level="**ERROR**" />
	MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**" Level="**USER**" />
	</FailureInterpretation>
	MessageInstanceSpecificValues>
	DataValueLocationItem>
	<XPath>**/*:MCCI_IN000002UV01/*:acknowledgement/*:typeCode**

Message Type	Message
	/@code</XPath> Value> PlainText>CA</PlainText> </Value> </DataValueLocationItem> </MessageInstanceSpecificValues> </n1:HL7V3MessageValidationContextDefinition>
Add Patient: Number 1	PRPA_IN201301UV02 ITSVersion="XML_1.0" xmlns="urn:hl7-org:v3" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> id root="02273d23-cb98-4629-9055-c4d9bb518267" /> creationTime value="20090909174947" /> interactionId extension="PRPA_IN201301UV02" root="2.16.840.1.113883.1.6" /> processingCode code="P" /> processingModeCode code="R" /> acceptAckCode code="AL" /> receiver typeCode="RCV"> device classCode="DEV" determinerCode="INSTANCE"> id root="1.2.840.114350.1.13.99999.4567" /> asAgent classCode="AGNT"> representedOrganization determinerCode="INSTANCE" classCode="ORG"> id root="1.2.840.114350.1.13.99999.1234" /> </representedOrganization> </asAgent> </device> </receiver> sender typeCode="SND"> device classCode="DEV" determinerCode="INSTANCE"> id root="1.2.840.114350.1.13.99998.8734" /> asAgent classCode="AGNT"> representedOrganization determinerCode="INSTANCE" classCode="ORG"> id root="1.2.840.114350.1.13.99998" /> </representedOrganization> </asAgent> </device> </sender> controlActProcess classCode="CACT" moodCode="EVN"> subject typeCode="SUBJ"> registrationEvent classCode="REG" moodCode="EVN"> id nullFlavor="NA" /> statusCode code="active" /> subject1 typeCode="SBJ"> patient classCode="PAT"> id extension="101" assigningAuthorityName="domain1" root="1.2.3.4.5.1000" />

Message Type	Message
	statusCode code="**active**" />
	patientPerson>
	name>
	given>**John**</given>
	family>**SIMPSON**</family>
	</name>
	telecom use="**HP**" value="**tel:+1-514-555-1234**" />
	administrativeGenderCode code="**F**" />
	birthTime value="**19840711**" />
	addr>
	city>**Montreal**</city>
	</addr>
	personalRelationship classCode="**PRS**">
	code codeSystem="**2.16.840.1.113883.5.111**"
	codeSystemName="**PersonalRelationshipRoleType**" code="**MTH**"
	displayName="**Mother**" />
	relationshipHolder1 classCode="**PSN**" determinerCode="**INSTANCE**">
	name xsi:type="**urn:PN**" xmlns:urn="**urn:hl7-org:v3**">
	family>**Albert**</family>
	</name>
	</relationshipHolder1>
	</personalRelationship>
	</patientPerson>
	providerOrganization classCode="**ORG**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	contactParty classCode="**CON**" />
	</providerOrganization>
	</patient>
	</subject1>
	custodian typeCode="**CST**">
	assignedEntity classCode="**ASSIGNED**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	</assignedEntity>
	</custodian>
	</registrationEvent>
	</subject>
	</controlActProcess>
	</PRPA_IN201301UV02>
Add Patient: Number 2	PRPA_IN201301UV02 ITSVersion="**XML_1.0**" xmlns="**urn:hl7-org:v3**"
	xmlns:xsi="**http://www.w3.org/2001/XMLSchema-instance**">
	id root="**007dea5c-5933-4098-b180-b6696e7b05eb**" />
	creationTime value="**20090818164650**" />
	interactionId extension="**PRPA_IN201301UV02**"
	root="**2.16.840.1.113883.1.6**" />
	processingCode code="**P**" />
	processingModeCode code="**R**" />
	acceptAckCode code="**AL**" />

Message Type	Message
	receiver typeCode="**RCV**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99999.4567**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**"
	classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99999.1234**" />
	</representedOrganization>
	</asAgent>
	</device>
	</receiver>
	sender typeCode="**SND**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**"
	classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99998**" />
	</representedOrganization>
	</asAgent>
	</device>
	</sender>
	controlActProcess classCode="**CACT**" moodCode="**EVN**">
	subject typeCode="**SUBJ**">
	registrationEvent classCode="**REG**" moodCode="**EVN**">
	id nullFlavor="**NA**" />
	statusCode code="**active**" />
	subject1 typeCode="**SBJ**">
	patient classCode="**PAT**">
	id extension="**105**" assigningAuthorityName="**domain1**"
	root="**1.2.3.4.5.1000**" />
	statusCode code="**active**" />
	patientPerson>
	name>
	given>**Jhn**</given>
	family>**Spson**</family>
	</name>
	telecom use="**HP**" value="**tel:+1-514-555-1234**" />
	administrativeGenderCode code="**F**" />
	birthTime value="**19840711**" />
	addr>
	city>**Montreal**</city>
	</addr>
	personalRelationship classCode="**PRS**">
	code codeSystem="**2.16.840.1.113883.5.111**"
	codeSystemName="**PersonalRelationshipRoleType**" code="**MTH**"
	displayName="**Mother**" />

Message Type	Message
	relationshipHolder1 classCode="PSN" determinerCode="INSTANCE">
	name xsi:type="urn:PN" xmlns:urn="urn:hl7-org:v3">
	family>Albert</family>
	</name>
	</relationshipHolder1>
	</personalRelationship>
	</patientPerson>
	providerOrganization classCode="ORG" determinerCode="INSTANCE">
	id root="1.2.840.114350.1.13.99998.8734" />
	contactParty classCode="CON">
	telecom value="SENDER TELECOM GOES HERE!" />
	</contactParty>
	</providerOrganization>
	</patient>
	</subject1>
	custodian typeCode="CST">
	assignedEntity classCode="ASSIGNED">
	id root="1.2.840.114350.1.13.99998.8734" />
	</assignedEntity>
	</custodian>
	</registrationEvent>
	</subject>
	</controlActProcess>
	</PRPA_IN201301UV02>
Patient Merge	PRPA_IN201304UV02 ITSVersion="XML_1.0" xmlns="urn:hl7-org:v3">
	id root="e05b87c8-3270-4aa1-afd2-56cc0a37cd58" />
	creationTime value="20090817115101" />
	interactionId root="2.16.840.1.113883.1.6"
	extension="PRPA_IN201304UV02" />
	processingCode code="P" />
	processingModeCode code="R" />
	acceptAckCode code="AL" />
	receiver typeCode="RCV">
	device classCode="DEV" determinerCode="INSTANCE">
	id root="1.2.840.114350.1.13.99999.4567" />
	asAgent classCode="AGNT">
	representedOrganization determinerCode="INSTANCE"
	classCode="ORG">
	id root="1.2.840.114350.1.13.99999.1234" />
	</representedOrganization>
	</asAgent>
	</device>
	</receiver>
	sender typeCode="SND">
	device classCode="DEV" determinerCode="INSTANCE">
	id root="1.2.840.114350.1.13.99998.8734" />
	asAgent classCode="AGNT">

Message Type	Message
	representedOrganization determinerCode="**INSTANCE**" classCode="**ORG**"> id root="**1.2.840.114350.1.13.99998**" /> </representedOrganization> </asAgent> </device> </sender> controlActProcess classCode="**CACT**" moodCode="**EVN**"> subject typeCode="**SBJ**"> registrationEvent classCode="**REG**" moodCode="**EVN**"> id nullFlavor="**NA**" /> statusCode code="**active**" /> subject1 typeCode="**SBJ**"> patient classCode="**PAT**"> id extension="**101**" assigningAuthorityName="**domain1**" root="**1.2.3.4.5.1000**" /> statusCode code="**active**" /> patientPerson> name /> </patientPerson> </patient> </subject1> custodian typeCode="**CST**"> assignedEntity classCode="**ASSIGNED**"> id root="**SENDER OID GOES HERE!**" /> </assignedEntity> </custodian> replacementOf typeCode="**RPLC**"> priorRegistration classCode="**REG**" moodCode="**EVN**"> subject1 typeCode="**SBJ**"> priorRegisteredRole classCode="**PAT**"> id extension="**105**" assigningAuthorityName="**domain1**" root="**1.2.3.4.5.1000**" /> </priorRegisteredRole> </subject1> </priorRegistration> </replacementOf> </registrationEvent> </subject> </controlActProcess> </PRPA_IN201304UV02>
Patient Query	PRPA_IN201309UV02 ITSVersion="**XML_1.0**" xmlns="**urn:hl7-org:v3**"> id root="**0c6835b6-3587-461a-9273-f0f70d21de4f**" /> creationTime value="**20090821104419**" /> interactionId extension="**PRPA_IN201309UV02**" root="**2.16.840.1.113883.1.6**" /> processingCode code="**P**" />

Message Type	Message
	processingModeCode code="**R**" />
	acceptAckCode code="**AL**" />
	receiver typeCode="**RCV**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99999.4567**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**"
	classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99999.1234**" />
	</representedOrganization>
	</asAgent>
	</device>
	</receiver>
	sender typeCode="**SND**">
	device classCode="**DEV**" determinerCode="**INSTANCE**">
	id root="**1.2.840.114350.1.13.99998.8734**" />
	asAgent classCode="**AGNT**">
	representedOrganization determinerCode="**INSTANCE**"
	classCode="**ORG**">
	id root="**1.2.840.114350.1.13.99998**" />
	</representedOrganization>
	</asAgent>
	</device>
	</sender>
	controlActProcess classCode="**CACT**" moodCode="**EVN**">
	code code="**PRPA_IN201309UV02**"
	codeSystem="**2.16.840.1.113883.1.6**" />
	queryByParameter>
	queryId root="**10515Q1**" />
	statusCode code="**new**" />
	responsePriorityCode code="**I**" />
	parameterList>
	patientIdentifier>
	value extension="**105**" assigningAuthorityName="**domain1**"
	root="**1.2.3.4.5.1000**" />
	semanticsText>**Patient.id**</semanticsText>
	</patientIdentifier>
	</parameterList>
	</queryByParameter>
	</controlActProcess>
	</PRPA_IN201309UV02>
Patient Query Response Validation Context	<?xml version="1.0" encoding="UTF-8" ?>
	n1:HL7V3MessageValidationContextDefinition
	xmlns:n1="**http://www.nist.gov/hl7/core/xmlbeans/validation/message**">
	FailureInterpretation>
	MessageFailure Type="**DATA**" Level="**ERROR**" />

Message Type	Message
	MessageFailure Type="**MESSAGE_VALIDATION_CONTEXT**" Level="**USER**" /> </FailureInterpretation> MessageInstanceSpecificValues> <!-- ack type code --> DataValueLocationItem> <XPath>**/*:PRPA_IN201310UV02/*:acknowledgement/*:typeCode/@code**</XPath> Value> PlainText>**AE**</PlainText> </Value> </DataValueLocationItem> <!-- Query ack code --> DataValueLocationItem> <XPath>**/*:PRPA_IN201310UV02/*:controlActProcess/*:queryAck /*:queryId/@root**</XPath> Value> PlainText>**10515Q1**</PlainText> </Value> </DataValueLocationItem> **-->** <!-- Query response code --> DataValueLocationItem> <XPath>**/*:PRPA_IN201310UV02/*:controlActProcess/*:queryAck /*:queryResponseCode/@code**</XPath> Value> PlainText>**AE**</PlainText> </Value> </DataValueLocationItem> </MessageInstanceSpecificValues> </n1:HL7V3MessageValidationContextDefinition>