

Distribution Envelope with Payloads Requiring a Business Acknowledgment

Interoperability Specification Team
10/10/2013

Contents

Contents	2
Checklist Assessment Transmitted to a Primary Recipient	3
Creating the Distribution Envelope for a CDA document Transmission Requiring an Acknowledgment	3
Completing the Distribution Envelope	3
Sending an HL7 v3 Response Message Requiring a Business Acknowledgement	5
Checklist Assessment Rejection Response	5
Creating the Distribution Envelope for a HL7 v3 Message Transmission Requiring an Acknowledgment	6
Sending a CDA Document Carrying a .pdf File Requiring a Business Acknowledgement	7
DST Outcome Transmitted to a Copy Recipient	7

Distribution Envelope with a CDA Document payload requiring a Business Ack

Checklist Assessment Transmitted to a Primary Recipient

June Bradwick a Staff Nurse carried out a NHS CHC Checklist Assessment on Mrs Belinda Taylor at Woodtown Retirement Home. The assessment was used to assess whether she was eligible for NHS Continuing Healthcare funding. June Bradwick identified the following level of needs for each Care Domain and as a result made an informed decision that she was an appropriate candidate for NHS CHC funding and a referral for a full assessment was required. June, having stored the information on the local hospital system sent the NHS CHC Checklist Assessment message to the CHC Team at East Cheshire NHS Trust to arrange for a full assessment.

East Cheshire NHS Trust has requested an acknowledgement from the East Cheshire NHS Trust CHC Team.

Codes used in this example

- East Cheshire NHS Trust has an Organisation Data Service (ODS) code of "V396AA"
- June Bradwick's identifier as author of the CDA document "1234512345"
- East Cheshire NHS Trust CHC Team (workgroup) has an ODS code of "V396A"
- The CHC Team workgroup has a code of "102016309999"
- Mrs. Taylor's NHS Number is "1234567891"
- ITK Service: urn:nhs-itk:services:SendCHCChecklistAssessment-v1-0
- The Checklist Assessment interaction id is "urn:nhs-itk:interaction:PrimaryNHSContinuingHealthcareChecklistAssessment-v1-0;

Creating the Distribution Envelope for a CDA document Transmission Requiring an Acknowledgment

The CDA document has been created by an author (June Bradwick) working for the East Cheshire NHS Trust and is ready for transmission.

Completing the Distribution Envelope

A full description of all the Distribution Envelope elements and attributes can be found in the ITK Core specification.

Name	Notes	Value
<i>header</i>		
@Service	As East Cheshire NHS Trust is sending a transmission over ITK, they must choose an appropriate service under which to send the Checklist Assessment transmission. "SendCHCChecklistAssessment-v1-0" is the service that should be used to transmit Checklist Assessment CDA documents.	urn:nhs-itk:services:SendCHCChecklistAssessment-v1-0
@trackingid	A UUID for the transmission	7D6D9D40-AE1A-11DB-97F8-B18E1E0994CD
<i>addresslist</i>		
<i>address</i>		

Distribution Envelope with Payloads Requiring a Business Acknowledgment

Name	Notes	Value
@type	The default address type is used in this example, so this attribute is omitted	<i>Intentionally blank</i>
@uri	The ITK compliant address of: East Cheshire NHS Trust (ODS code V396A) CHC Team (workgroup code 102016309999), the primary recipient, to whom the CDA document is destined.	urn:nhs-uk:addressing:ods:V396A:102016309999
<i>auditidentity</i>		
<i>id</i>		
@type	The default address type is used in this example, so this attribute is omitted	<i>Intentionally blank</i>
@uri	The organisation address of the East Cheshire NHS Trust (ODS code V396AA) and author identifier (1234512345) who originated the document.	urn:nhs-uk:identity:ods:V396AA:1234512345
<i>manifest</i>		
@count	A count of the manifests. In this case a single document	1
<i>manifestitem</i>		
@id	The identifier of the CDA payload	uuid_7D8E5B05-AE1A-11DB-96AB-B18E1E0994CD
@mimetype	The mime type of the CDA document.	text/xml
@profileid	The profile for this document type.	urn:nhs-en:profile:nHSContinuingHealthcareChecklistAssessment-v1-0
@metadata	As this isn't a metadata payload, this attribute is defaulted to false and omitted	<i>Intentionally blank</i>
@compressed	As this payload isn't compressed, this attribute is defaulted to false and omitted	<i>Intentionally blank</i>
@base64	As this payload isn't in base64, this attribute is defaulted to false and omitted	<i>Intentionally blank</i>
@encrypted	As this payload isn't encrypted, this attribute is defaulted to false and omitted	<i>Intentionally blank</i>
<i>senderAddress</i>		
@type	The default address type is used in this example, so this attribute is omitted	<i>Intentionally blank</i>
@uri	The organisation address of the East Cheshire NHS Trust (ODS code V396AA) and author identifier (1234512345) who originated the document.	urn:nhs-uk:addressing:ods:V396AA:1234512345
<i>handlingSpecifications</i>	Handling specifications are required to send a business Acknowledgement and for the Discharge report interaction	
<i>spec</i>		
@key	Key for Business ACK to be sent	urn:nhs-itk:ns:201005:ackrequested
@value	Value for the key is True	true
<i>spec</i>		
@key	Key for the interaction	urn:nhs-itk:ns:201005:interaction
@value	Value for the key is the interaction id	urn:nhs-itk:interaction:PrimaryNHSContinuingHealthcareChecklistAssessment-v1-0
<i>payloads</i>		
@count	The number of payloads is just 1	1
<i>payload</i>		
@id	The locally assigned UUID for the payload (matches the manifest.id describing this payload)	uuid_7D8E5B05-AE1A-11DB-96AB-B18E1E0994CD
@filename	As filename is used for payloads such as images, and not meant for CDA documents it is omitted.	<i>Intentionally blank</i>

Distribution Envelope Instance

Scenario 1 - Checklist Assessment transmitted to a Primary Recipient Distribution Envelope Instance

```
<itk:DistributionEnvelope xsi:schemaLocation="urn:nhs-itk:ns:201005 ..\..\schemas\distributionEnvelope-v2-0.xsd">
  <itk:header service="urn:nhs-itk:services:SendCDADocument-v2-0" trackingid="7D6D9D40-AE1A-11DB-97F8-
B18E1E0998CD">
    <itk:addresslist>
      <itk:address uri="urn:nhs-uk:addressing:ods:V396A:1234512350"/>
      <itk:address uri="urn:nhs-uk:addressing:ods:V396A:1234512346"/>
      <itk:address uri="urn:nhs-uk:addressing:ods:V396AA:1234512345"/>
      <itk:address uri="urn:nhs-uk:addressing:ods:V396C:1234512351"/>
      <itk:address uri="urn:nhs-uk:addressing:ods:V396A:1234512352"/>
    </itk:addresslist>
    <itk:auditIdentity>
      <itk:id uri="urn:nhs-uk:identity:ods:V396A:102016309999"/>
    </itk:auditIdentity>
    <itk:manifest count="1">
      <itk:manifestitem mimeType="text/xml" id="uuid_7D6E5B00-AE1A-11DB-96AB-B18E1E0994CD"
profileid="urn:nhs-en:profile:nHSContinuingHealthcareDecisionSupportTool-v1-0"/>
    </itk:manifest>
    <itk:senderAddress uri="urn:nhs-uk:addressing:ods:V396A:102016309999"/>
    <itk:handlingSpecification>
      <itk:spec value="true" key="urn:nhs-itk:ns:201005:ackrequested"/>
      <itk:spec value="urn:nhs-itk:interaction: nHSContinuingHealthcareDecisionSupportTool-v1-0" key="urn:nhs-
itk:ns:201005:interaction"/>
    </itk:handlingSpecification>
  </itk:header>
  <itk:payloads count="1">
    <itk:payload id="uuid_7D6E5B00-AE1A-11DB-96AB-B18E1E0994CD">
      ... a CDA document carrying a pdf file goes in here ...
    </itk:payload>
  </itk:payloads>
</itk:DistributionEnvelope>
```

Sending an HL7 v3 Response Message Requiring a Business Acknowledgement

Checklist Assessment Rejection Response

The CHC Team responded to June Bradwick with a Rejection to the NHS Continuing Healthcare Checklist Assessment with the reason "Not Eligible for Continuing Healthcare" as the scores didn't add up for eligibility. Scores in 3 domain areas were missing in the Checklist Assessment.

East Cheshire NHS Trust CHC Team has requested an acknowledgement from the East Cheshire NHS Trust.

Codes used in this example

- East Cheshire NHS Trust CHC Team workgroup has an ODS code of "V396A"
- The CHC Team workgroup has a code of "102016309999"
- East Cheshire NHS Trust has an Organisation Data Service (ODS) code of "V396AA"
- June Bradwick as primary information recipient has an identifier of "1234512345"
- Mrs. Taylor's NHS Number is "1234567891"
- ITK Service: urn:nhs-itk:services:SendCHCChecklistAssessmentRejection-v1-0
- The Checklist Assessment Reject Response interaction id is "urn:nhs-itk:interaction: PrimaryNHSContinuingHealthcareChecklistAssessmentRejectResponse-v1-0;

Creating the Distribution Envelope for a HL7 v3 Message Transmission Requiring an Acknowledgment

The HL3 v3 response message has been created by an author working for the East Cheshire NHS Trust CHC Team workgroup and is ready for transmission.

Completing the Distribution Envelope

A full description of all the Distribution Envelope elements and attributes can be found in the ITK Core specification.

Name	Notes	Value
<i>header</i>		
@Service	As East Cheshire NHS Trust CHC Team is sending a transmission over ITK, they must choose an appropriate service under which to send the Checklist Assessment Reject Response transmission. "SendCHCChecklistAssessmentRejection-v1-0" is the service that should be used to transmit HL3 v3 messages.	urn:nhs-itk:services:SendCHCChecklistAssessmentRejection-v1-0
@trackingid	A UUID for the transmission	7D6D9D40-AE1A-11DB-97F8-B18E1E0995CD
<i>addresslist</i>		
<i>address</i>		
@type	The default address type is used in this example, so this attribute is omitted	<i>Intentionally blank</i>
@uri	The ITK compliant address of: The organisation address of the East Cheshire NHS Trust (ODS code V396AA) and information recipient identifier (1234512345) to whom the HL3 v3 message is destined.	urn:nhs-uk:addressing:ods:V396AA:1234512345
<i>auditidentity</i>		
<i>id</i>		
@type	The default address type is used in this example, so this attribute is omitted	<i>Intentionally blank</i>
@uri	East Cheshire NHS Trust (ODS code V396A) CHC Team (workgroup code 102016309999), who originated the HL3 v3 message.	urn:nhs-uk:identity:ods:V396A:102016309999
<i>manifest</i>		
@count	A count of the manifests. In this case a single document	1
<i>manifestitem</i>		
@id	The identifier of the HL3 v3 message	uuid_7D7E5C01-AE1A-11DC-96AE-B18E1E0994CD
@mimetype	The mime type of the HL3 v3 message.	text/xml
@profileid	The profile for this HL3 v3 message type.	urn:nhs-en:profile:urn:nhs-en:profile:nHSContinuingHealthcareRejectResponse-v1-0
@metadata	As this isn't a metadata payload, this attribute is defaulted to false and omitted	<i>Intentionally blank</i>
@compressed	As this payload isn't compressed, this attribute is defaulted to false and omitted	<i>Intentionally blank</i>
@base64	As this payload isn't in base64, this attribute is defaulted to false and omitted	<i>Intentionally blank</i>
@encrypted	As this payload isn't encrypted, this attribute is defaulted to false and omitted	<i>Intentionally blank</i>
<i>senderAddress</i>		
@type	The default address type is used in this example, so this attribute is omitted	<i>Intentionally blank</i>
@uri	East Cheshire NHS Trust (ODS code V396A) CHC Team (workgroup code 102016309999), who originated the HL3 v3 message.	urn:nhs-uk:addressing:ods:V396A:102016309999
<i>handlingSpecifications</i>	Handling specifications are required to	

Distribution Envelope with Payloads Requiring a Business Acknowledgment

Name	Notes	Value
	send a business Acknowledgement and for the Checklist Assessment Reject Response interaction	
<i>spec</i>		
@key	Key for Business ACK to be sent	urn:nhs-itk:ns:201005:ackrequested
@value	Value for the key is True	true
<i>spec</i>		
@key	Key for the interaction	urn:nhs-itk:ns:201005:interaction
@value	Value for the key is the interaction id	urn:nhs-itk:interaction: PrimaryNHSContinuingHealthcareChecklistAssessmentRejectResponse-v1-0
<i>payloads</i>		
@count	The number of payloads is just 1	1
<i>payload</i>		
@id	The locally assigned UUID for the payload (matches the manifest.id describing this payload)	uuid_7D7E5C01-AE1A-11DC-96AE-B18E1E0994CD
@filename	As filename is used for payloads such as images, and not meant for CDA documents it is omitted.	<i>Intentionally blank</i>

Distribution Envelope Instance

Scenario 1 - Checklist Assessment Rejection Response Distribution Envelope Instance

```

<itk:DistributionEnvelope xsi:schemaLocation="urn:nhs-itk:ns:201005 ..\..\schemas\distributionEnvelope-v2-0.xsd">
  <itk:header service="urn:nhs-itk:services:SendCHCChecklistAssessment-v1-0" trackingid="7D6D9D40-AE1A-11DB-97F8-B18E1E0994CD">
    <itk:addresslist>
      <itk:address uri="urn:nhs-uk:addressing:ods:V396A:102016309999"/>
    </itk:addresslist>
    <itk:auditIdentity>
      <itk:id uri="urn:nhs-uk:identity:ods:V396AA:1234512345"/>
    </itk:auditIdentity>
    <itk:manifest count="1">
      <itk:manifestitem mimetype="text/xml" id="uuid_7D8E5B05-AE1A-11DB-96AB-B18E1E0994CD"
profileid="urn:nhs-en:profile:nHSContinuingHealthcareChecklistAssessment-v1-0"/>
    </itk:manifest>
    <itk:senderAddress uri="urn:nhs-uk:addressing:ods:V396AA:1234512345"/>
    <itk:handlingSpecification>
      <itk:spec value="true" key="urn:nhs-itk:ns:201005:ackrequested"/>
      <itk:spec value="urn:nhs-itk:interaction: PrimaryNHSContinuingHealthcareChecklistAssessment-v1-0"
key="urn:nhs-itk:ns:201005:interaction"/>
    </itk:handlingSpecification>
    </itk:header>
    <itk:payloads count="1">
      <itk:payload id="uuid_7D8E5B05-AE1A-11DB-96AB-B18E1E0994CD">
        ... a CDA document goes in here ...
      </itk:payload>
    </itk:payloads>
  </itk:DistributionEnvelope>

```

Sending a CDA Document Carrying a .pdf File Requiring a Business Acknowledgement

DST Outcome Transmitted to a Copy Recipient

Jessica Brown identified the level of needs for each Care Domain and as a result made a collaborative decision that Mrs Belinda Taylor was eligible for full NHS CHC funding. She stored the DST on the local PCT system and transmitted to copy recipients.

Distribution Envelope with Payloads Requiring a Business Acknowledgment

East Cheshire NHS Trust CHC Team has requested an acknowledgement from all copy recipients.

Codes used in this example

- East Cheshire NHS Trust CHC Team has an ODS code of "V396A" and a workgroup code of "102016309999"
- Pete Hungerford (Senior Nutritionist Nurse) as copy information recipient has an (ODS) code of "V396A" and identifier of "1234512350"
- Jani Chakrabarti (Dermatology Consultant) as copy information recipient has an (ODS) code of "V396A" and identifier of "1234512346"
- June Bradwick (staff nurse) as copy information recipient has an (ODS) code of "V396AA" and identifier of "1234512345"
- Dr Harry Harvey (Northgate Medical Practice) as copy information recipient has an (ODS) code of "V396C" and identifier of "1234512351"
- Mr Andrew Pearson (Consultant) as copy information recipient has an (ODS) code of "V396A" and identifier of "1234512352"
- Mrs. Taylor's NHS Number is "1234567891"
- ITK Service: urn:nhs-itk:services:SendCDADocument-v2-0
- The Copy NHS Decision Support Tool interaction id is "urn:nhs-itk:interaction:CopyNHSContinuingHealthcareDecisionSupportTool-v1-0;

Creating the distribution envelope for a CDA document transmission requiring an ack

The CDA document has been created by an author working for the East Cheshire NHS Trust CHC Team, and is ready for transmission.

Completing the Distribution Envelope

A full description of all the Distribution Envelope elements and attributes can be found in the ITK Core specification.

Name	Notes	Value
<i>header</i>		
@Service	As East Cheshire NHS Trust CHC Team is sending a transmission over ITK, they must choose an appropriate service under which to send the DST transmission. "SendCDADocument-v2-0" is the service that should be used to transmit CDA documents.	urn:nhs-itk:services:SendCDADocument-v2-0
@trackingid	A UUID for the transmission	7D6D9D40-AE1A-11DB-97F8-B18E1E0998CD
<i>addresslist</i>		
<i>address</i>		
@type	The default address type is used in this example, so this attribute is omitted	<i>Intentionally blank</i>
@uri	The ITK compliant address of: (1) Pete Hungerford (Senior Nutritionist Nurse) at East Cheshire NHS Trust to whom the CDA document is destined.	urn:nhs-uk:addressing:ods:V396A:1234512350
<i>address</i>		
@type	The default address type is used in this example, so this attribute is omitted	<i>Intentionally blank</i>
@uri	The ITK compliant address of: (1)Jani Chakrabarti (Dermatology Consultant) at East Cheshire NHS Trust to whom the CDA document is destined.	urn:nhs-uk:addressing:ods:V396A:1234512346

Distribution Envelope with Payloads Requiring a Business Acknowledgment

Name	Notes	Value
<i>address</i>		
@type	The default address type is used in this example, so this attribute is omitted	<i>Intentionally blank</i>
@uri	The ITK compliant address of: (1)June Bradwick (staff nurse) at East Cheshire NHS Trust to whom the CDA document is destined.	urn:nhs-uk:addressing:ods:V396AA:1234512345
<i>address</i>		
@type	The default address type is used in this example, so this attribute is omitted	<i>Intentionally blank</i>
@uri	The ITK compliant address of: (1)Dr Harry Harvey (Northgate Medical Practice) to whom the CDA document is destined.	urn:nhs-uk:addressing:ods:V396C:1234512351
<i>address</i>		
@type	The default address type is used in this example, so this attribute is omitted	<i>Intentionally blank</i>
@uri	The ITK compliant address of: (1)Mr Andrew Pearson (Consultant) to whom the CDA document is destined.	urn:nhs-uk:addressing:ods:V396A:1234512352
<i>auditidentity</i>		
<i>id</i>		
@type	The default address type is used in this example, so this attribute is omitted	<i>Intentionally blank</i>
@uri	East Cheshire NHS Trust (ODS code V396A) CHC Team (workgroup code 102016309999), who originated the CDA document	urn:nhs-uk:identity:ods:V396A:102016309999
<i>manifest</i>		
@count	A count of the manifests. In this case a single document	1
<i>manifestitem</i>		
@id	The identifier of the document payload	uuid_7D6E5B00-AE1A-11DB-96AB-B18E1E0994CD
@mimetype	The mime type of the document.	text/xml
@profileid	The profile for this document type.	urn:nhs-en:profile:nHSContinuingHealthcareDecisionSupportTool-v1-0
@metadata	As this isn't a metadata payload, this attribute is defaulted to false and omitted	<i>Intentionally blank</i>
@compressed	As this payload isn't compressed, this attribute is defaulted to false and omitted	<i>Intentionally blank</i>
@base64	As this payload isn't in base64, this attribute is defaulted to false and omitted	<i>Intentionally blank</i>
@encrypted	As this payload isn't encrypted, this attribute is defaulted to false and omitted	<i>Intentionally blank</i>
<i>senderAddress</i>		
@type	The default address type is used in this example, so this attribute is omitted	<i>Intentionally blank</i>
@uri	East Cheshire NHS Trust (ODS code V396A) CHC Team (workgroup code 102016309999), who originated the CDA document	urn:nhs-uk:addressing:ods:V396A:102016309999
<i>handlingSpecifications</i>	Handling specifications are required to send a business Acknowledgement and for the Discharge report interaction	
<i>spec</i>		
@key	Key for Business ACK to be sent	urn:nhs-itk:ns:201005:ackrequested
@value	Value for the key is True	true
<i>spec</i>		
@key	Key for the interaction	urn:nhs-itk:ns:201005:interaction
@value	Value for the key is the interaction id	urn:nhs-itk:interaction:nHSContinuingHealthcareDecisionSupportTool-v1-0
<i>payloads</i>		
@count	The number of payloads is just 1	1
<i>payload</i>		
@id	The locally assigned UUID for the payload (matches the manifest.id describing this payload)	uuid_7D6E5B00-AE1A-11DB-96AB-B18E1E0994CD
@filename	As filename is used for payloads such as	<i>Intentionally blank</i>

Distribution Envelope with Payloads Requiring a Business Acknowledgment

Name	Notes	Value
	images, and not meant for CDA documents it is omitted.	