nehta

PCEHR B2B Gateway Service Release Note v1.5

PCEHR Document Exchange Service TSS v1.4

Summary

Release rationale

This release of the PCEHR Document Exchange Service using the IHE XDS.b Platform Technical Service Specification (PCEHR Document Exchange Service TSS) covers the new functionality to be available in PCEHR Release 3. Issues found by various vendors over the last few months as part of the implementation process have also been corrected where possible and where there is no impact to vendors (minor clarifications, typographical errors etc.).

Scope

This release note documents the following key changes to the PCEHR Document Exchange Service TSS:

- Alternative replace document operation. This provides the option to avoid a preceding "findDocument" operation by passing the orginal Document.ID in the targetObject XDS.b field

- Recommendation to use datetime precision down to the precision of seconds and usage of the Coordinated Universal Time (UTC)

- Clarification on:
  - CDA Package representation
  - use of Signed CDA Package Profile
  - CDA Package signature
  - use of Remove document response reasons

- NCTIS Data Components coding system class code additions for new documents and views

- Removal of setDocumentAccessLevel operation, WSDLs and schema

Package inclusions

The package covers the release of PCEHR Document Exchange Service TSS version 1.4.

Release history

These notes cover the additions, changes and removals to the PCEHR Document Exchange Service TSS v1.3 specification, 6 September 2012.

Stakeholders

The following stakeholders have been involved in the development of these documents:

- NEHTA
- National Infrastructure Operator (NIO)

Audience

The intended audience of this document includes:

- Hospital networks, eHealth Implementation sites and jurisdictional health departments in the process of planning and implementing integration with the PCEHR system

- Software vendors developing PCEHR enabled products

Capabilities

Additions

- Section 3.3.4.2 (removeDocument) Interactions. Informative Note (under DEXS-T 32): The response reason of 'ElectToRemove' MAY only be used by those systems acting on behalf of a consumer. The response reason of 'Withdrawn' MAY only be used by those systems acting on behalf of a provider. The response reason of 'IncorrectIdentity' MAY be used by those systems acting on behalf of a consumer or a provider.

- Table 3 - XDSDocumentEntry Document Type and Class Code value set.

NCTIS	100.16764	PCEHR Prescription Record	PCEHR Prescription Record
NCTIS	100.16765	PCEHR Dispense Record	PCEHR Dispense Record

- Section 4.1.1 Document Metadata and XDS.b Document Entry Types

  - Conformance point DEXS-T 117 added: The CDA Package SHALL be created according to the XDM –ZIP representation [CDA_PKG].

  - Conformance point DEXS-T 120 added: The XDSDocument SHALL be provided using the Clinical Package specification [CLN_PKG] and the Signed CDA Package profile [CDA_PKG].

  - Conformance point DEXS-T 121 added: The CDA Package SHALL have exactly one Signature.

  - Conformance point DEXS-T 122 added: The XDSDocumentEntry.creationTime, XDSDocumentEntry.serviceStartTime, XDSDocumentEntry.serviceStopTime dates SHOULD use YYYYMMDDhhmmss precision.

  - Conformance point DEXS-T 123 and related Informative note added: The XDSDocumentEntry.creationTime, XDSDocumentEntry.serviceStartTime, XDSDocumentEntry.serviceStopTime dates SHALL only allow the following precisions: YYYYMMDD, YYYYMMDDhhmm, and YYYYMMDDhhmmss. Informative Note: The IHE XDS Specification requires the usage of the Coordinated Universal Time (UTC) standard for XDS datetimes.

- Section 4.1.3 Document Version Information and XDS.b Association types. Conformance point DEXS-T 118 added: The XDS.b Association targetObject field name SHALL contain either the XDSDocumentEntry.uniqueID set to this value OR the Document ID.

  - If the XDSDocumentEntry.uniqueID is used as the unique targetObject, then the format SHALL be UUID.

  - If the UUID format for the XDSDocumentEntry.uniqueID is used for the sourceObject, the superseding of a document SHALL first use the ITI-18 operation (to retrieve the PCEHR XDS Metadata EntryID) before superseding the original document.

  - If the Document Id is used as the unique targetObject, then the format SHALL be one of the following:

    a) The Document Identifier SHALL be represented as an OID without an extensions attribute; or

    b) The Document Identifier SHALL be represented as an OID and include an extension constructed as [OID]^[extension]; or

    c) The Document Identifier SHALL be represented as an OID representation of this UUID. The OID representation SHALL be constructed as specified in section 7 of [ITU-X.667].

Informative note: When the previous version Document ID OID is used for the targetObject, the ITI-18 Registry Stored Query (find documents) operation is not required. This provides a mechanism for superseding a document in one ITI-41 Provide & Register Document Set-b operation by passing the Document Id in the metadata targetObject field and using the following Association type: 'urn:ihe:iti:2007: AssociationType:RPLC' (for 'Replace').

- Section 4.3.2 Standard SOAP Faults. Table 17 SOAP responses. Additional error codes:

badParam	PCEHR_ERROR_0524 - Attachment exceeds maximum supported size
badParam	PCEHR_ERROR_0525 - Request message must be XOP/MTOM
badParam	PCEHR_ERROR_0526 - Attachment MIME type is not supported

- Appendix C. References
  - [CLN_PKG] Clinical Package Specification V1.0 November 2011
  - [CDA_PKG] CDA Package Specification   V1.0 November 2011

Changes

Bold text indicates changes.

- Section 4.1.1 Document Metadata and XDS.b Document Entry Types.
  - Table 2
    - Document Metadata to XDS.b Document Entry mapping. LSS Field description: A SHA-1 hash representation of the CDA **package**. This field is mandatory for ITI-42 document registrations. XDS.b Field Name: XDSDocumentEntry.hash
    - Document Metadata to XDS.b Document Entry mapping. The size of the CDA **package**. This field is mandatory for ITI-42 document registrations. XDSDocumentEntry.size
  - Table 3 - XDSDocumentEntry Document Type and Class Code value set.

NCTIS	102.**16671**	Australian Organ Donor Register	Australian Organ Donor Register

- Section 4.1.3 Document Version Information and XDS.b Association types.
  - Table 5
    - Document version information to XDS.b association mapping. LSS Field Name: Previous Version Document ID. **targetObject** A reference to the XDSDocumentEntry.**UniqueID** already stored in XDS.b Registry provided by the PCEHR System. The XDS meta data must be a UUID. **If a Document ID is used, it must be an OID representation form.**
    - Document version information to XDS.b association mapping. Document Metadata; A reference to the document entry which will **create a new document or** replace the previous document (this will typically be part of the same submission as the association); **sourceObject** The id of XDSDocumentEntry provided in the submission which replaces the previously stored document.

○ Conformance point DEXS-T 68 amended. The XDS.b Association Type SHALL be set to 'urn:ihe:iti:2007:AssociationType:RPLC' **to supersede a document**.

- A.1.2 PCEHR_CommonTypes.xsd schema update. Version 13 December 2012.

```
<xs:element name="PCEHRMobileHeader">
          <xs:complexType>
                  <xs:sequence>
                          <xs:element ref="ns1:ihiNumber" minOccurs="0"
maxOccurs="1"/>
                  </xs:sequence>
          </xs:complexType>
    </xs:element>
```

Removals

- Section 3.3.4 setDocumentAccessLevel (Deprecated)

- Section 4.1.8 setDocumentAccessLevel operation message types

- Appendix A.1.4 PCEHR_SetDocumentAccessLevel-1.0.xsd

- Appendix A.2.1.5 B2B_SetDocumentAccessLevel.wsdl (Deprecated)

- Appendix A.2.1.6 B2B_SetDocumentAccessLevelInterface.wsdl (Deprecated)

Known issues

The Child eHealth Record document types are not included. These will be provided once finalised.

Support

Support of these documents will be aligned with product changes as they occur. Governance of these changes will be managed through the change control process of NEHTA in conjunction with the PCEHR System Operator.

This release will be supported until April 2015.

For further support or to provide feedback, please email the NEHTA Service Desk at nehtasupport@nehta.gov.au or phone on 1300 901 001..

Future releases

The next release of the PCEHR Document Exchange Service is likely to be part of the next version of PCEHR and will include fixes to errors, differences in implementation or cross specification terminology updates.