

PCEHR B2B Gateway Service v1.5.2

Release note

25 October 2013

Approved for external information

Release rationale

This release of the PCEHR B2B Gateway Service includes supplementary guidance on areas not covered in the B2B Gateway Service specifications.

The guidance was prepared as part of NEHTA's Clinical Usability Program (CUP) in consultation with clinicians. It is intended to promote usability of clinical software interacting with the PCEHR system and greater consistency between software products.

Scope

This supplementary guidance scope covers the following specifications - *PCEHR B2B View Service Logical Service Specification v1.3* and the *PCEHR B2B Document Exchange Service Using the IHE XDS.b Platform Technical Service Specification v1.4*. It includes additional guidance on the following topics:

- Locating and accessing PCEHR functions
- Displaying PCEHR document lists
- Setting Healthcare Facility Type Code

It does not add, modify or remove requirements from clinical document specifications or conformance profiles.

Package Inclusions

The package includes *PCEHR B2B Gateway Service – Supplementary Guidance for Implementers v1.0*.

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

Known issues

None identified.

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 help@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 any fixes to errors, differences in implementation or cross specification terminology updates.

Previous releases

Release Note v1.5.1, 24 October 2013

Document ID: NEHTA-1470:2013

Summary

Scope

This release note documents the following changes to the PCEHR B2B Gateway Service:

- Removal of old PCEHR schemas from the PCEHR Core System area
- Reference to the current schemas in the Resources area
- Further clarification on the use of "NCTIS Data Components" coding system in *PCEHR Document Exchange Service TSS v1.4* (note that there are no changes to this specification, merely a clarification).

This release note supersedes release note v1.5 (the content of v1.5 is included at the end of this release note).

Capabilities

Additions

- The current PCEHR Schemas exist on <https://vendors.nehta.gov.au> under the Resources -> Sample code (Reference Platform):
 - PCEHR WSDLs for Release 3

Clarification

- Previous change to footnote (¹'NCTIS Data Components' coding system) of *PCEHR Document Exchange Service TSS v1.4* Table 3 - XSDDocumentEntry Document Type and Class Code value set. This was only listed in the scope of release note v1.5 as "NCTIS Data Components coding system class code additions for new documents and views" (not as a specific change).

The table below makes the coding system explicit for the last four rows of Table 3.

Coding System	TypeCode ClassCode	ClassCodeDisplayName	TypeCodeDisplayName
NCTIS Data Components	100.16685	Consumer Entered Health Summary	Consumer Entered Health Summary
NCTIS Data Components	100.16696	Advanced Care Directive Custodian Record	Advanced Care Directive Custodian Record
NCTIS Data Components	100.16764	PCEHR Prescription Record	PCEHR Prescription Record
NCTIS Data Components	100.16765	PCEHR Dispense Record	PCEHR Dispense Record

The coding system for each clinical document is defined in each individual CDA implementation guide and in the CDA Schema codeSystemName data element.

Removals

- The following old PCEHR Schemas will be removed from <https://vendors.nehta.gov.au> PCEHR Core System -> PCEHR B2B Gateway area:
 - PCEHR Schemas CRP TSS v1.1
 - PCEHR Schemas TSS v1.1

Known issues

None identified.

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 help@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.

Release Note v1.5, 12 April 2013

Document ID: NEHTA-1268:2013

Package inclusions

Name	Version
PCEHR Document Exchange Service TSS v1.4	v1.4

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 original 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 - XSDDocumentEntry 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 XSDDocument 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 XSDDocumentEntry.creationTime, XSDDocumentEntry.serviceStartTime, XSDDocumentEntry.serviceStopTime dates SHOULD use YYYYMMDDhhmmss precision.
 - Conformance point DEXS-T 123 and related Informative note added: The XSDDocumentEntry.creationTime, XSDDocumentEntry.serviceStartTime, XSDDocumentEntry.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 XSDDocumentEntry.uniqueID set to this value OR the Document ID.
 - If the XSDDocumentEntry.uniqueID is used as the unique targetObject, then the format SHALL be UUID.
 - If the UUID format for the XSDDocumentEntry.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: XSDDocumentEntry.hash
 - Document Metadata to XDS.b Document Entry mapping. The size of the CDA **package**. This field is mandatory for ITI-42 document registrations. XSDDocumentEntry.size
 - Table 3 - XSDDocumentEntry Document Type and Class Code value set.

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

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Contact for enquiries

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