nehta

PCEHR B2B Gateway Service

Release note v1.4

PCEHR View Service LSS v1.3

PCEHR View Service TSS v1.5

Summary

Background

This release bundle of PCEHR View Service Logical Service Specification (LSS) and PCEHR View Service Technical Service Specification (TSS) includes the following key changes:

- The new getView service and request messages for the different views

- Response error codes for different view requests

- Alignment of View Service LSS with TSS and implemented PCEHR functionality/interfaces/schemas

- Addition of indigenousStatus element for getIndividualDetailsView Individual details

- Clarifications to the specifications, reflection of as-built PCEHR functionality, reference data values updates, typographical fixes, section/document references

- Filtering of the Medicare Overview PBS/MBS records by clinical event date

The getView service:

- has been architected to support future views with the same web service call

- will make the getMedicareInformationView and getConsolidatedView documented in previous versions of the View Service specifications obsolete.

Release rationale

This release bundle covers the new getView web service functionality to be available in PCEHR Release 3.

Scope

Provision of new getView web service, additional parameters for web services, definition of views including two for Child eHealth Record.

The generic getView web service supports retrieval of multiple views. For this release, this includes:

- Prescription and Dispense View

- Medicare Overview

- Health Check Schedule View

- Observation View

Release history

Title	Last published version	Interim version (provided on request)	This version
PCEHR View Service LSS	v1.1	v1.2.11	v1.3
	3 February 2012	30 January 2013	5 April 2013
PCEHR View Service TSS	v1.4	v1.4.13	v1.5
	6 September 2012	1 February 2013	5 April 2013

The PCEHR View Service TSS v1.4 was updated and released as part of the "HPI-O Relaxation LSS and TSS bundle Release Note, 18 October 2012". The PCEHR View Service LSS was not updated at that point and was effectively out of date.

The draft version LSS (v.1.2.11) was provided to organisations on request.

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 who are in the process of planning and implementing integration with the PCEHR system.
- Software vendors developing PCEHR enabled products.

Capabilities: PCEHR View Service LSS

Changes between LSS v1.2.11 and v1.3

- Section 3.1.12 getRepresentativeListRequest – Table 38 changed table title and heading from getRepresentativeListView to getRepresentativeList
- Section 3.2.2 User, Table 42 - changed table title from getRepresentativeListView to getRepresentativeList

Changes between LSS v1.1 and v1.2.11

The changes are divided into:

- getView additions, changes and removals
- other additions, changes and removals
- additions, changes and removals to bring the LSS up to date with R2 implementation.

View Service LSS Additions (getView)

- Added Get View to Table 1 – Views in scope for PCEHR.
- Added getView to web services listed in section 2.2 View Service – Service Interface
- Added getView and comments to Table 3 – Service Interface View Retrieval – Operations.

- Added Section 2.2.1 Service Operation – getView.

- Added Section 3.1.1 getViewRequest under the Information Viewpoint section.

- Added Section 3.1.2 getViewResponse under the Information Viewpoint section.

View Service LSS Changes (getView)

- Replaced diagram in Figure 3 – View Service interactions. Replaced getConsolidatedView and getMedicareInformationView interface calls with getView.

- Replaced diagram in Figure 4 – Mapping of interactions to services.

- Replaced Figure 6 – View Retrieval Service Operations with the implemented View Service webservices (getAuditView, getChangeHistoryView, getDocumentList, getView, getIndividualDetailsView, getRepresentativeList).

- Changed conformance point VIEW-L 3. "The *view* response SHALL contain data drawn from *a consumer's PCEHR atomic data* according to the requestor's access rights.

- Changed conformance point VIEW-L 5 to refer to view instead of consolidated view.

- Changed conformance requirement VIEW-L 56 to relate to getView instead of getConsolidatedView. The IHI Number SHALL be supplied for all *getView* requests.

View Service LSS Removals (getView)

- Removed consolidatedView function from View Service in diagram. Figure 2 – PCEHR Functions addressed in 1.1 Context section.

- Removed Consolidated View from Table 1 – Views in scope for PCEHR.

- Removed Medicare Information from Table 1 – Views in scope for PCEHR.

- Removed getMedicareInformationView to web services listed in section 2.2 View Service – Service Interface (functionality replaced by getView request for Medicare Overview view)

- Removed getConsolidatedView to web services listed in section 2.2 View Service – Service Interface (functionality will be replaced by getView request for Health Overview)

- Removed getConsolidatedView and comments from Table 3 – Service Interface View Retrieval – Operations.

- Removed getMedicareInformationView and comments from Table 3 – Service Interface View Retrieval – Operations.

- Removed section 2.2.1 Service Operation – getConsolidatedView.

- Remove section 3.1.12 getMedicareInformationViewRequest.

View Service LSS Additions (other)

Added field [Indigenous Status] to Table 34 – Individual Details. Columns: [Indigenous Status]; <Indigenous Status Type>; 'Predefined indigenous status codes'; 1..1.

View Service LSS Changes (other)

- Changed all data class diagrams with associations in section 3 Information Viewpoint. Hid all individual field names and attributes to focus on the association relationships rather than repeating the field names and attributes already detailed in the accompanying tables.

- Changed all reference data descriptions to refer to the View Service TSS as source of truth for element reference data. This will reduce TSS to LSS alignment and dependency issues. Examples of current reference data values updated and provided for additional context.

View Service LSS Additions (to bring up to date with R2 implementation)

- Added example to Informative Note following conformance point VIEW-L 52, which now reads: In an exceptional case, the PCEHR system operator may provide an organisation that is not a healthcare provider with an alternative identifier to view information from the PCEHR system. System. For example, organisations that are not classified as providers of healthcare, such as Medicare or a pathology laboratory.

- Added Audit Event ID field to Table 16 – Audit Event.

- Added field FATAL with description FATAL to Table 27 – Message Log Level.

- Added clarification text to section 3.1.9. A generic service fault is returned in the Response Status part of the output message.

- Add field to Table 33 – getIndividualDetailsView. Columns: [Response Status]; <Response Details>; 'Response code, description and details'; 1..1.

- Add field to Table 33 – getIndividualDetailsView. Columns: [Contact Persons]; <Contact Persons Details>; 'The name, type and contact details of contact persons'; 0..*.

- Added fields [IHI Record Status], [IHI Status] and [Date Accuracy Indicator] to Table 35 – Demographics.

- Added field [Type] (name) to Table –37 Contact Persons. Columns: Type; <String>; 'The type of contact person. E.g. "Emergency", "Next of Kin" or "Carer"'; 0..1.

- Added [Response Status] field to Table 39 – getRepresentativeListResponse. Columns: <Response Status>; 'Response status , status description and optional additional details'; 1..1.

- Add field [Alternate Organisation Name] in Table 44 – Organisation. Columns: [Alternate Organisation Name]; <String>; 'An alternative display name for the accessing organisation (PCEHR system participant)'; 0..1.

View Service LSS Changes (to bring up to date with R2 implementation)

- Removed Status column from Table 1 – Views in scope for PCEHR.

- Added acronym for eHealth Interoperability Framework (EIF) in section 1.3

- Typographical and reference corrections throughout document.

- Corrected name of webservice to getRepresentativeList in section 2.2 View Service – Service Interface

- Changed name of webservice to getRepresentativeList in Table 3 - Service Interface View Retrieval - Operations.

- Changed name of section 2.2.6   to Service Operation – getRepresentativeList

- Changed all getRepresentativeListView names to getRepresentativeList in section 2.2.6 Service Operation – getRepresentativeList.

- Changed conformance point VIEW-L 52 from SHALL to SHOULD in section 2.5.1.1.Last sentence of conformance point VIEW-L 52 moved to an *Informative note* paragraph following this conformance point. (see LSS Additions above).

- Changed all data class diagrams with associations in section 3 Information Viewpoint. Hid all individual field names and attributes to focus on the association relationships rather than repeating the field names and attributes already detailed in the accompanying tables.

- Clarification in Table 9 – getChangeHistoryViewRequest. Document Id is: The unique identifier for a document matching the request parameter criteria.

- Clarification in description of Template Identifier in Table 11 – Document Metadata. "The *Object IDentifier* (IOD) of the template this document conforms to."

- Change the cardinality of Date From to 1..1 in Table 12 – getAuditViewRequest.

- Change the cardinality of Date To to 1..1 in Table 12 – getAuditViewRequest.

- Change the data type of Event Trail to event (from trail) in Table 14 – Audit View.

- Change cardinality of Log Event to 0..1 in Table 15 – Event Trail.

- Change cardinality of [Participant Details], [Accessed Entity], [Participant Action] to 0..1 in Table 16 – Audit Event.

- Change data type and description of Participating Organisation in Table 18 – Participant Details. Data type to <String> and Description to 'Participating Organisation Identifier'.

- Change cardinality of [User Id], [User Name] and [Display Role] to 0..1 in Table 18 – Participant Details.

- Change data type and description of [Display Role] in Table 18 – Participant Details to <String> and 'The role of the participant'. Refer to data values in the View Service TSS, getAuditView Service Realisation Section and   Schema in Appendix A.

- Change cardinality of [IHI Number], [Individual Name], [Subject Type] and [Subject] to 0..1 Table 19 – Accessed Entity.

- Change description of Action Type to 'Refer to data values in the View Service TSS, getAuditView Service Realisation Section and schema in Appendix A [VS-TSS]' in Table 20 – Participant Action.

- Change cardinality of [Action Type] and [Operation Performed] to 0..1 in Table 20 – Participant Action.

- Change name of fields to [Self], [General] and [Limited] in Table 24 – Access Level.

- Changed conformance point View-L 63 in Section 3.2.1 to refer to getRepresentativeList instead of getRepresentativeListView.

- Change name of field to [Individual] in Table 33 – getIndividualDetailsViewResponse.

- Change cardinality of field [Individual] to 0..1 in Table 33 – getIndividualDetailsViewResponse.

- Changed name of table to Table 37 – Contact *Persons*.

- Updated [Contact number] field in Table 37 – Contact Persons. Columns: [Contact Details]; <Contact Details Type>; 'See Contact Details table above'; 0..1.

- Update name of table to Table 40 – Representative *List*.

- Provide sample reference data for field [Type] in Table 40 – Representative List.

- Change field [Address] in Table 40 – Representative List. Type: <Address>; Description: 'The address fields of the representative'. Refer to the View Service TSS for details [VS-TSS].

- Change field name from [Id] to [Message Id] in Table 41 – Common Header.

- Update description for field [Accessing Organisation] in Table 41 – Common Header to 'The organisation *(PCEHR system participant)* on behalf of which the request is being made'.

- Update description for field [Organisation ID] in Table 44 – Organisation. Description: 'An identifier for the *accessing* organisation *(PCEHR system participant)*'.

View Service LSS Removals (to bring up to date with R2 implementation)

- Remove fields [Address], [Next of kin], [Carers] and [Emergency] from Table 34 – Individual Details.

- Remove fields [Medicare Card Number], [Medicare Card Number IRN], [Military Health Number] and [DVA Card Number] from Table 35 Demographics.

- Remove field [Email Address] from Table 37 – Contact Persons. (Defined in cross reference to Contact Details Table 36.

- Remove field [Type] from Table 39 – getRepresentativeListResponse.

- Remove field [Response Header] from Table 39 – getRepresentativeListResponse. Header already defined in a previous section.

- Remove fields [Access Level], [Contact Details] and [Authority] from Table 40 – Representative List.

- Remove Table 43 – Authority.

- Remove Table 44 – Contact Details.

- Remove Table 45 – Name.

Capabilities: PCEHR View Service TSS

Changes between TSS v1.4.13 and v1.5

Draft version TSS v1.4.13 was provided to organisations upon request. The following changes have occurred for v1.5.

- Added note in Section 3.2.4, Table 7 – getAuditView Output Message: Note that PACC is now called Record Access Code. PACCX is now called Limited Document Access Code. However the reference data strings representing these remain unchanged.

- Section 4.2.1 Prescription and Dispense View correction. This view data is returned as a CDA package.

- Section 4.2.2 Observation View correction. This view data is returned as a CDA package.

- Removal of section 4.2.3 Achievement Diary View

- Addition of section 4.2.3 Health Check Schedule View

- Informative Note addition in section 4.2.4 Medicare Overview. The information from the Australian Childhood Immunisation Register (ACIR) and Australian Organ Donor Register (AODR) will not have date range filtering applied in the view.

- Section 4.2.4 Medicare Overview correction. This view data is returned as a CDA package.

- Update of schema in Appendix A.1.18 XML Schema - PCEHR_GetIndividualDetailsView.xsd.

- Update of schema in A.1.10 XML Schema - PCEHR_ ObservationView.xsd. Includes new request parameter referenceData of type <String>; with cardinality 1..1; and Remarks: Simple element reference data ('WHO' or 'CDC').Removal of schema in Appendix A.1.11 XML Schema - PCEHR_ AchievementDiaryView.xsd.

- Addition of schema in Appendix XML Schema - PCEHR_HealthCheckScheduleView.xsd.

- Renamed Appendix A.2.2.5 B2B_GetIndividualDetailsViewInterface.wsdl to B2B_GetIndividualDetailsView.wsdl

Changes between TSS 1.4 and 1.4.13

These are divided into:

- getView additions, changes, removals
- other additions, changes, removals.

View Service TSS Additions (getView)

- Added the getView service 3.2.2 to the 3.2 Service Interface Realisation section. The previous getConsolidatedView was used as the starting point.

- Added remark that the <view> returned will be of type {Any} with Base64Binary representation in ZIP format.

- Informative note to highlight that MTOM/XOP is used to optimise transmission as this was not explicitly stated previously.

- Added getView error codes and descriptions to Table 18 – Response Codes under section Error Codes 4.1.2.2.

- Added 4.2 PCEHR Views section.

- Added 4.2.1 Prescription and Dispense View section to outline the request parameters for this view.

- Added 4.2.2 Health Check Schedule View section to outline the request parameters for this view.

- Added 4.2.3 Observation View section to outline the request parameters for this view.

- Added 4.2.4 Medicare Overview section to outline the request parameters for this view.

- Added Appendix A.1.3 XML Schema - PCEHR_GetView.xsd

- Added Appendix A.1.9 for the Prescription and Dispense View XDS schema.

- Added Appendix A.1.10 for the Observation View XDS schema.

- Added Appendix A.1.11 for the Achievement Diary View XDS schema.

- Added Appendix A.1.12 for the Medicare Overview XDS schema

View Service TSS Changes (getView)

- Definition of a view included in Purpose section.

- Improved the conformance requirement VIEW-T 6 to state "The Service Provider SHALL return a response containing the PCEHR assembled view based on the accessLevel of the healthcare provider organisation for the provided IHI."

View Service TSS Removals (getView)

- Removed consolidatedView function from View Service in diagram Figure 2 – PCEHR Functions addressed in 1.1 Context section.

- Removed the getConsolidatedView service 3.2.2 from the 3.2 Service Interface Realisation section

View Service TSS Additions (other)

- Added getIndividualDetailsView to mapping Table 1 of 3.2 Service Realisation Section.

- Add field auditEventID under auditEvent in Table 7 – getAuditView Output Message.

- Add element indigenousStatus   under Individual element to Table 11- getIndividualDetailsView Output Message. The details for the element are: String; 1..1;   Values ('1','2','3','4','9').

- Add element Action to Table *13* – WS Addressing Header Response under section 4.1.1.2. The details for the element are: anyURI; 1..1; Identifier (full namespace) of the virtual service being invoked.

- Add field [Indigenous Status]; <Indigenous Status Type>;   'Predefined indigenous status codes'; 1..1.

View Service TSS Changes (other)

- Provided external reference to [ATS 5820 – 2010] in addition to the named standard in VIEW-T 3.

- Clarified conformance requirement VIEW-T 6 to state: VIEW-T 6   The Service Provider SHALL return a response *containing the* PCEHR assembled view based on the accessLevel of the healthcare provider organisation *for the provided IHI*.

- Service Fault under each web service now refers to Error codes section 4.1.1.2 (except getChangeHistoryView which refers to PCEHR Document Exchange using the IHE XDS.b Platform Technical Service Specification [PCEHR-DE-TSS] section 4.1.76 for the XDS Service Fault.

- Updated sentence in 3.2.6.1 Actors and roles with "The getAuditView *Service* Invoker *role* represents the party responsible for obtaining views from the PCEHR System." sentence.

- Clarified conformance requirement VIEW-T 32 to say "create signature" instead of "perform signature".

- Clarified conformance requirement VIEW-T 33 to refer to standard with "error as defined in [ATS 5820 – 2010]" (not for Transmission Signature itself)

- Fixed name of web service from getRepresentativeListView to getRepresentativeList in mapping Table 1 of 3.2 Service Realisation Section

- Change spelling of Table 4 to getChangeHistoryView Input Messag**e**

- Update reference to section 1.4.6 of IHE XDS.b Platform Technical Service Specification [PCEHR-DE-TSS] under getChangeHistoryView *Service Fault* heading

- Correct spelling to "organisation" in 3.2.4 getAuditView

- Correct spelling to "identifier" in 3.2.4 getAuditView (second bullet point)

- Rename accessingOrganisation to accessingHPIO under ParticipantDetails in Table 7 – getAuditView Output Message.

- Rename accessingOrganisationName to accessingHPIOName under ParticipantDetails in Table 7 – getAuditView Output Message.

- Rename participatingOrganisation to participatingHPIO under ParticipantDetails in Table 7 – getAuditView Output Message.

- Rename participatingOrganisationName to participatingHPIOName under ParticipantDetails in Table 7 – getAuditView Output Message.

- Update reason reference data values under ParticipantAction in Table 7 – getAuditView Output Message (values are upper camel case).

- Update accessPermission reference data values under AccessConditions in Table 7 – getAuditView Output Message (values are upper camel case).

- Update accessLevel reference data values under AccessConditions in Table 7 – getAuditView Output Message (values are upper camel case).

- Update code reference data values under ErrorDetails in Table 7 – getAuditView Output Message.

- Update remark for description element under ErrorDetails in Table 7 – getAuditView Output Message.

- Rename getRepresentativeListView to getRepresentativeList in section heading 3.2.6.

- Update first sentence under Section 3.6.2.1 Actors and Roles to: The getRepresentativeListView *Service* Invoker *role* represents the party responsible for obtaining views from the PCEHR System.

- Rename getRepresentativeListView to getRepresentativeList in Role2 under section 3.2.6.1 Actors and Roles.

- Rename getRepresentativeListView to getRepresentativeList in Table 8.

- Rename getRepresentativeListView to getRepresentativeList in Table 9.

- Change the cardinality of representative to 1..* in Table 9 – getRepresentativeList Output Message.

- Change capitalisation of suburb under UnstructuredAddressLine element in Table 9 – getRepresentativeList Output Message.

- Change capitalisation of postcode under AustralianPostalAddress element in Table 9 – getRepresentativeList Output Message.

- Updated sentence in 3.2.7.1 Actors and roles with "The getIndividualDetailsView *Service* Invoker *role* represents the party responsible for obtaining views from the PCEHR System." sentence.

- Change the cardinality of responseStatus to 1..1 in Table 11-getIndividualDetailsView Output Message.

- Add element indigenousStatus under Individual element to Table 11-getIndividualDetailsView Output Message. The details for the element are: String; 1..1; Values ('1','2','3','4','9'). Refer to METeOR identifier: 291036

- Renumbered Table *10* – WS Addressing Header Request to Table *12* in section 4.1.1.1

- Renumbered Table *11* – WS Addressing Header Request to Table *13* in section 4.1.1.2

- Renumbered Table *12* - Timestamp Header to Table 14 in 4.1.1.3 Transmission Timestamp section.

- Combine the split sentence in conformance requirements VIEW-T 34 and VIEW-T 35 into conformance requirement VIEW-T 34.

- Combine the split sentence in conformance requirements VIEW-T 36 and VIEW-T 37 into conformance requirement VIEW-T 36.

- Renumbered Table *14* - PCEHRHeader to Table 16 in 4.1.1.5 PCEHR Header section.

- Fix spelling of IHINumber element Table 16 - PCEHRHeader in 4.1.1.5 PCEHR Header section.

- Renumbered conformance point VIEW-T 41 to be VIEW-T 47 on p30 as there was duplication with conformance points on p23.

- Renumbered conformance point VIEW-T 42 to be VIEW-T 48 on p30 as there was duplication with conformance points on p23.

- Update remarks of organisationID element under AccessingOrganisation in Table 16 - PCEHRHeader (4.1.1.5 PCEHR Header section). "The 16-digit Healthcare Organisation Identifier (HPI-O) or approved alternative (a unique identifier issued by the PCEHR operatorSystem Operator e.g. a PAI-O)"

- Renumbered Table *15* - ResponseStatus Responses to Table 17 in 4.1.2.1 Common Response Status section.

- Renumbered reference to Table 18 in conformance requirement VIEW-T 30.

- Changed Error Codes to a section numbered 4.1.2.2 instead of a bolded heading.

- Added web service error codes and descriptions to Table 18 – Response Codes under section Error Codes 4.1.2.2.
- Added Web Service column to Table 18 – Response Codes under section Error Codes 4.1.2.2. This indicates which web service calls the error messages are relevant for.

View Service TSS Removals (other)

- Removed 4.1.3 Service Fault Data Types section heading.

Known issues

NEHTA has identified the following open issues in this release:

- Date handling will be described in the Prescription and Dispense Presentation Guide and the PCEHR Implementation Guide.

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 View Service is likely to service the Health Overview view. However, the getView web service has been implemented to support this and subsequent views without any major change.