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**Logical Service Specification**

# PCEHR Account Management Service

Version 1.0 — 3 February 2012

Final

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# Document Information

| | |
|---|---|
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## Version History

| Date | Version | Name | Comments/type of review |
|---|---|---|---|
| 3 February 2012 | 1.0 | PCEHR Design Authority | Final |

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# Table of Contents

# Preface

## Purpose

The purpose of this document is to define the logical service interfaces and associated conformance points for the PCEHR Account Management Service.

The Account Management Service enables implementers and systems to interface their application with PCEHR System to manage PCEHR access control and account preferences.

This specification considers the computational and information viewpoints of the solution and provides logical considerations of these areas. It defines the set of system roles and associated responsibilities and provides context for the technical service specification that follows.

Technical service specifications will provide a realisation of the interfaces for a given technical platform and will not repeat the logical role definitions or conformance points.

It is strongly recommended to refer to the Release Note for further clarity on the Account Management Technical service specification.

## Intended Audience

This document is intended for:

- Developers and implementers of the National PCEHR System, Clinical Information Systems seeking to interact with the PCEHR System and PCEHR Conformant Portals (normative).
- Organisations that produce software products which seek to interact with the PCEHR System (normative).
- Jurisdictional eHealth programs (informative).
- The Australian Health Informatics Standards development community (informative).

This is a technical document which makes use of the UML2.3 standard [UML2010]. It is assumed that the audience is familiar with:

- UML and service-oriented architecture concepts and patterns
- The PCEHR Concept of Operations [PCEHR_CON_OPS], September 2011 release.
- RM-ODP (Reference Model of Open Distributed Processing) reference model

# Document Map

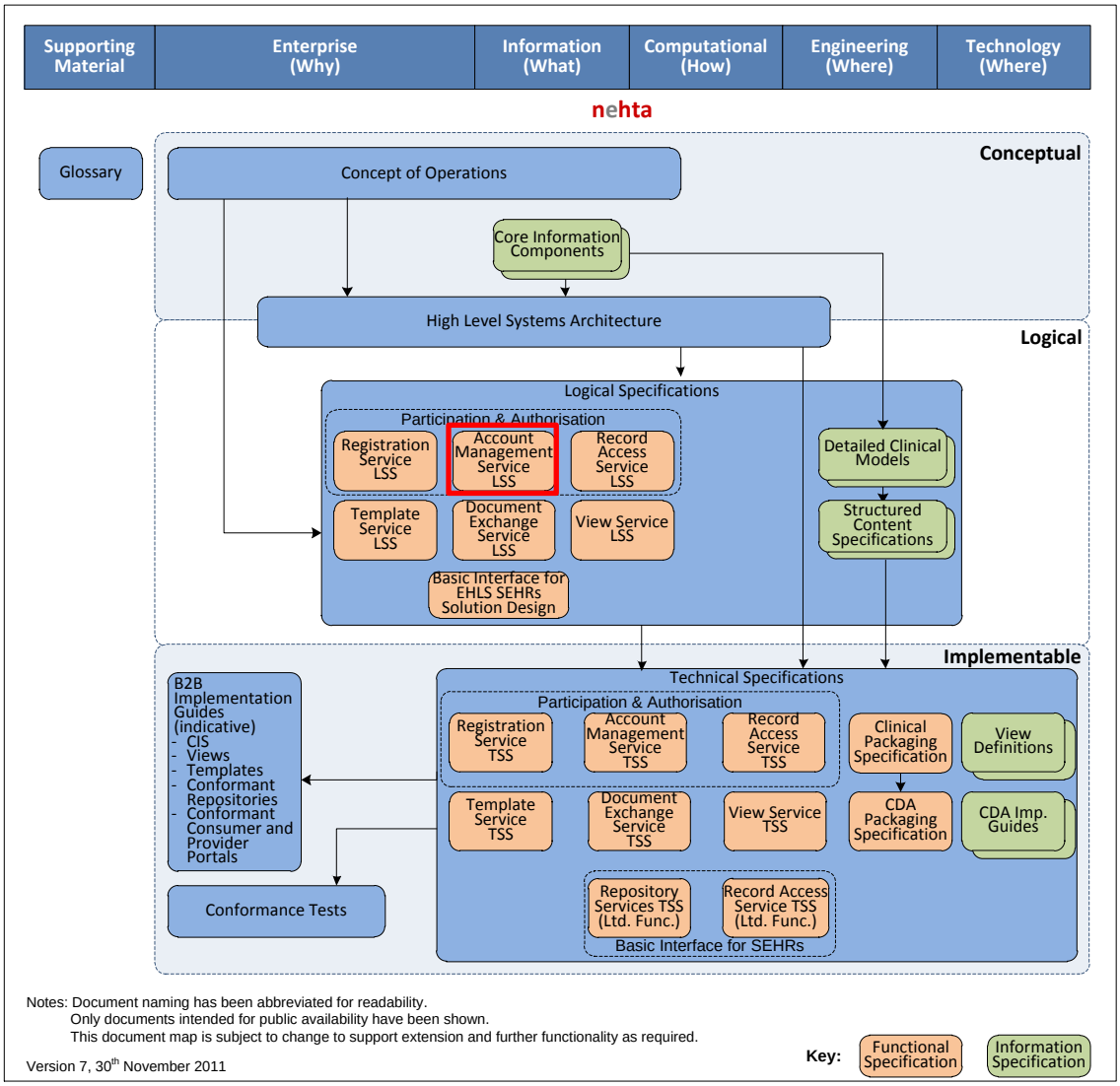



*Figure 1 - Document Map*

# Acronyms and Terminology

Please refer to Appendix B for definitions of the acronyms and terminology used in this document.

The keywords SHALL, SHALL NOT, SHOULD and SHOULD NOT in this document are to be interpreted as described in IETF's RFC 2119 [RFC2119].

# References

Please refer to Appendix C for details of the references used within this document.

# 1 Introduction

## 1.1 Context

This document describes the Account Management Service that forms one part of the PCEHR's Participation and Authorisation Service. Additional services that comprise the Participation and Authorisation Service are specified in separate documents. This document describes the functions available to manage a PCEHR record.

Figure 2 shows how this logical service specification fits into the complete set of PCEHR functionality.

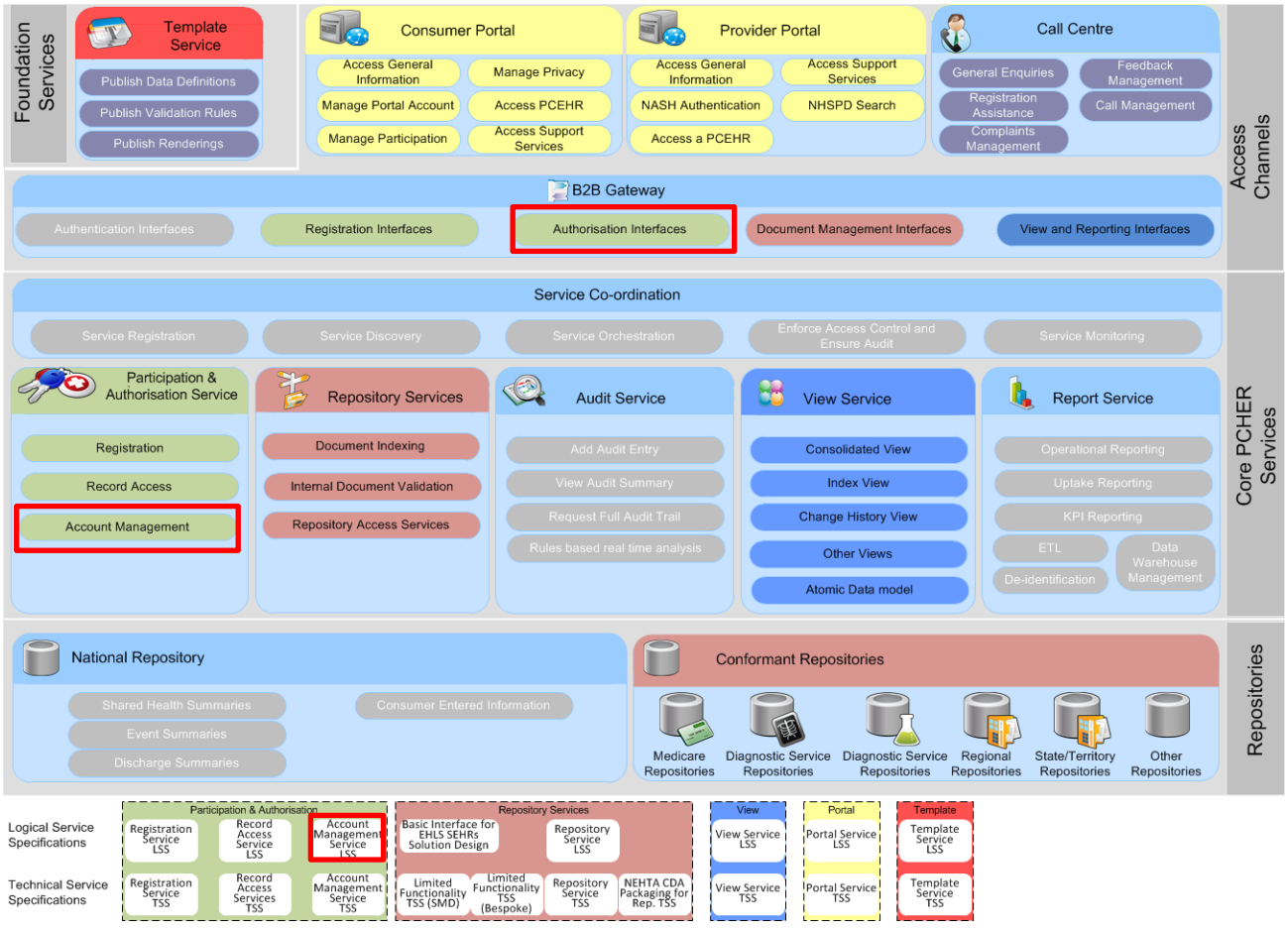



*Figure 2 – PCEHR Functions Addressed*

As illustrated in Figure 3, the Account Management Service is expected to be used by Conformant Consumer Portals, Conformant Provider Portals, Contracted Service Providers (CSP) and Clinical Information Systems (CIS). This is further described in later sections of this document.

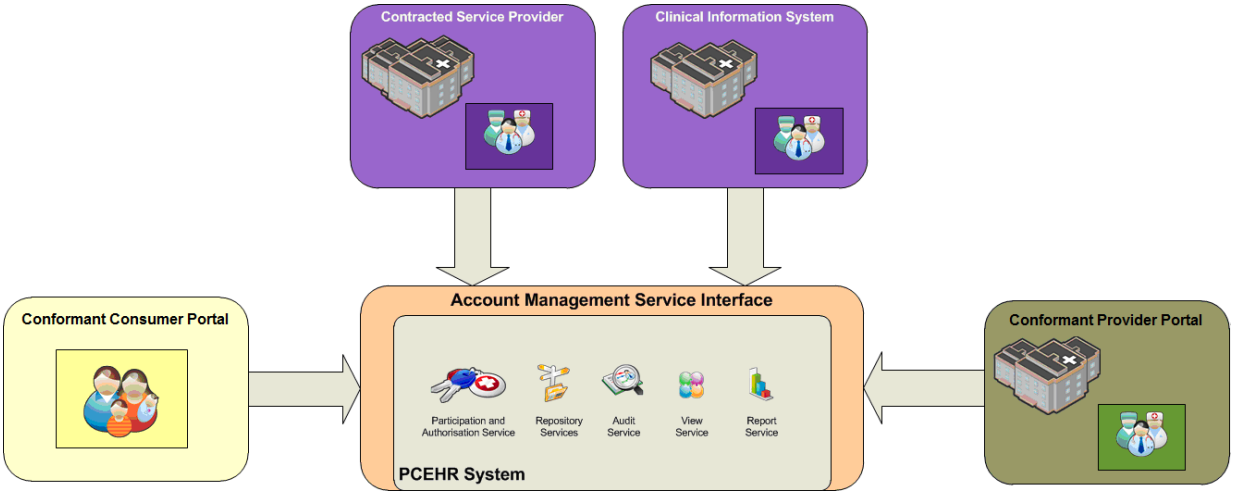



*Figure 3 – Account Management Service systems and interactions*

## 1.2 Scope of Document

This document specifies the behaviour that is required from a set of interworking systems. This behaviour is specified in terms of a catalogue of related services that are provided and consumed by those systems. Services are specified in terms of interface contracts.

### 1.2.1 In Scope

The following items are in scope for this specification:

- A logical platform-agnostic specification for services offered to:
  - manage an individual's PCEHR record settings
  - manage an individual's PCEHR representatives
  - manage an individual's PCEHR provider access level settings
- The specification of formal conformance points.

### 1.2.2 Out of Scope

The following items are explicitly out of scope for this specification:

- The specifications of how to implement the Account Management Service on a particular technology platform (such as via specific types of Web service stacks, messages or electronic documents) – these aspects are addressed in technical service specifications.
- The specification of Conformant Portals.
- The internal design for national PCEHR components such as the Participation and Authorisation Service.
- Administrative and support related operations which are internal to the PCEHR System.

- Those services covered under other logical service specifications for the PCEHR as per Figure 1 and Figure 2

## 1.3 Relationship to eHealth Interoperability Framework

This specification has been produced in accordance with the eHealth Interoperability Framework [EIF], which considers three layers of abstraction and five viewpoints (see summary in Appendix A). The viewpoints relevant to this logical service specification are each covered in a separate section.

## 1.4 Conformance Points

This specification contains conformance points that identify normative requirements that are to be complied with by systems fulfilling roles identified in this specification.

Conformance points include requirements on a party invoking the service (Service Invoker) and the party providing the service (Service Provider).

Any capability required to meet a conformance point SHALL be considered part of the requirements to be met under this specification.

Conformance points are identified within this document by means of the following notation:

| | |
|---|---|
| **AMGS-L 0** | This is an example only. Conformance points are numbered and prefixed with 'AMGS-L' to indicate that they apply to the account management logical service specification. |

# 2 Computational Viewpoint

The computational viewpoint is concerned with describing the functional decomposition of the system as computational objects which interact at their interfaces. It includes descriptions of services that objects offer and other objects consume, i.e. service contracts in general terms. These objects describe the key functionality of the system to be built, assuming that necessary infrastructure support and services will be specified in the technical service specification.

This viewpoint is mainly relevant for solution architects and software developers, although a high-level computational description of the interaction between information technology systems and users may also be relevant. This can be a refinement of the interactions defined in the enterprise viewpoint and can involve subject matter experts and business analysts.

This section of the document contains conformance statements that specify the services in terms of the:

- messages exchanged
- processing required of the Service Invoker before invoking a service
- dependency between the response messages generated and the request message and the prior state of the Service Provider
- resulting effect (if any) on the state of the Service Provider
- required processing of response message by the Service Invoker.

## 2.1 Services Architecture

### 2.1.1 Overview

This section provides a summary of the system roles and interactions.

Figure 4 illustrates the key system roles and interactions within the scope of the PCEHR Account Management Service.

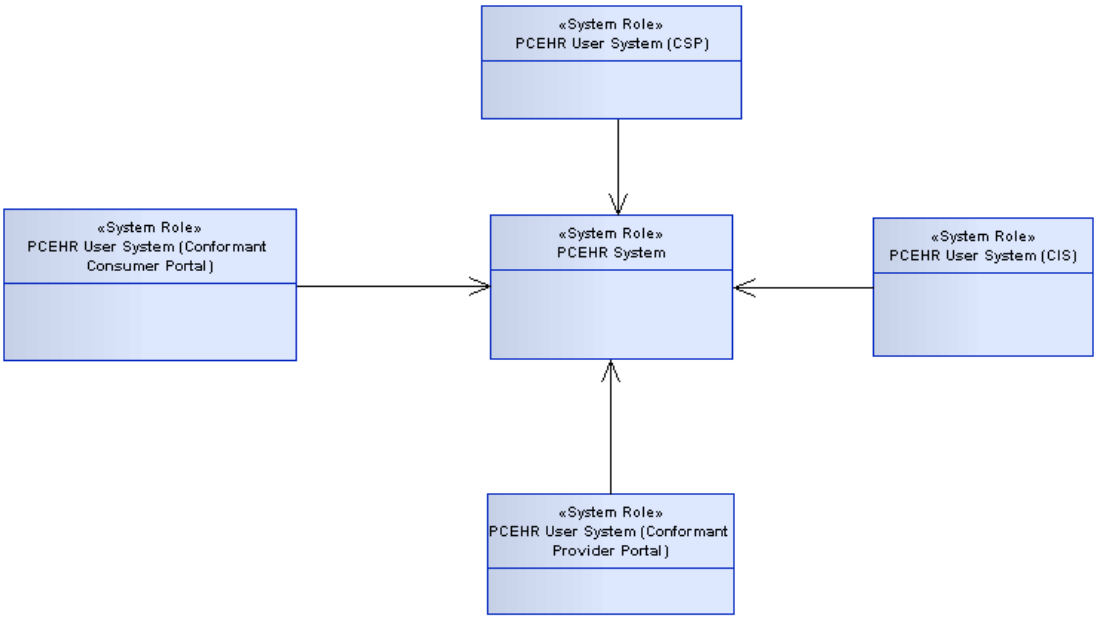



*Figure 4 - PCEHR Access Management Service Interactions*

### 2.1.2 System Roles

Table 1 provides a summary of the roles in order to give context to the following sections. The full detail of each role is provided in the section shown in the right hand column.

*Table 1 PCEHR Account Management Service systems and their system roles*

| System Role | Description and Rationale | Section |
|---|---|---|
| *PCEHR System* | The *PCEHR System* role is responsible for maintaining the set of documents (and associated metadata) linked to each PCEHR Record, enforcing access policies and providing interfaces to clinical systems and portals. | 2.5 |
| *PCEHR User System (Conformant Consumer Portal)* | *PCEHR User System (Conformant Consumer Portal)* is a Portal that is used by the Individual, Authorised Representative or Nominated Representative. | 2.6 |
| *PCEHR User System (CIS)* | *PCEHR User System (CIS)* is the client software that is used by healthcare providers to interact with the PCEHR System. It is associated with a Healthcare Organisation. | 2.7 |
| *PCEHR User System (CSP)* | *PCEHR User System (CSP)* is a hosted practice management solution that is used by healthcare providers to interact with the *PCEHR System*. It may be associated to multiple Healthcare Organisations (HPI-Os). | 2.8 |
| *PCEHR User System (Conformant Provider Portal)* | *PCEHR User System (Conformant Provider Portal)* is a Portal that is used by the Healthcare Provider Individual to view PCEHR. | 2.9 |

## 2.2 Services

Figure 5 illustrates how the interactions between the system roles defined below may be grouped into services. These services provide a logical grouping and are not intended to dictate the physical realisation of the solution.

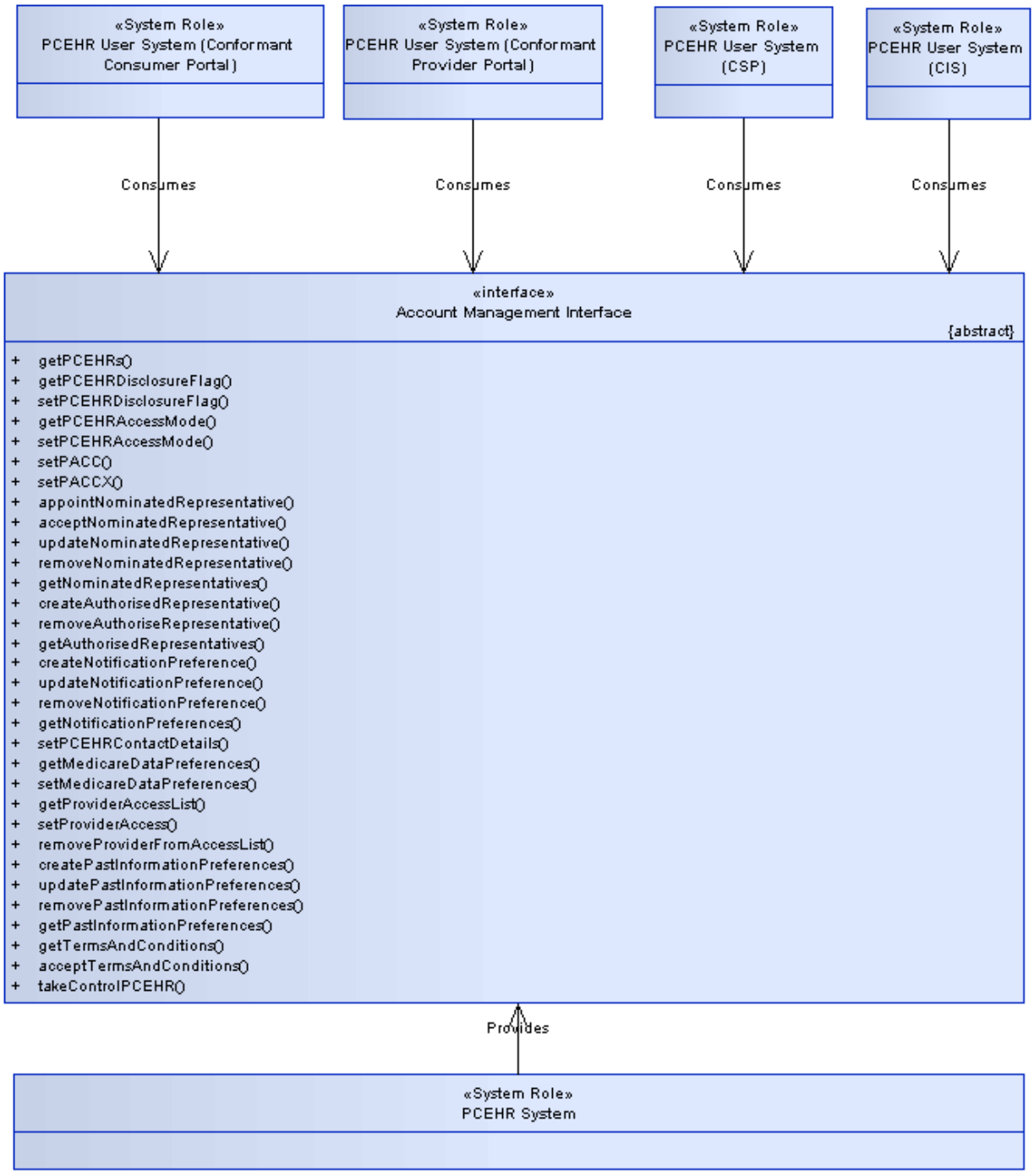



*Figure 5 – Interfaces Mapping*

# 2.3 PCEHR Account Management Service Contract

## 2.3.1 Service Interface – Account Management Interface

The Account Management Interface encapsulates the set of operations that support the management of PCEHR accounts from the PCEHR System. All operations within the Account Management Service require a unique identifier that will map to the PCEHR Identity. The PCEHR Identity is an entity that identifies the Individual and Representative. This can be a verified or anonymous identity. The specification on how to register and link the PCEHR Identity is covered in the PCEHR Registration Service Logical Service Specification [PCEHR-REG-LSS].


*Figure 6 – Account Management Interface*

This interface provides the following operations.

*Table 2 - Service Interface Account Management Interface - Operations*

| Service Interface - Operations | Mandatory | Comment |
|---|---|---|
| getPCEHRs | Yes | This operation is used to get a list of PCEHRs that are associated with a PCEHR Identity. |
| getPCEHRDisclosureFlag | Yes | This operation is used to get the PCEHR disclosure flag. |
| setPCEHRDisclosureFlag | Yes | This operation is used to set or unset the PCEHR disclosure flag. |

| Service Interface - Operations | Mandatory | Comment |
|---|---|---|
| getPCEHRAccessMode | Yes | This operation is used to get the details about whether an individual has elected to use 'Basic' or 'Advanced' options to control access to their PCEHR and the individual access code (PACC and/or PACCX) |
| setPCEHRAccessMode | Yes | This operation is used to set the PCEHR access mode to Basic or Advanced. By using the Advanced mode the individual can set an Access Code (PACC and/or PACCX) for a given PCEHR. |
| setPACC | Yes | This operation is used to create and update the PACC. |
| setPACCX | Yes | This operation is used to create and update the PACCX. |
| appointNominatedRepresentative | Yes | This operation is used to appoint a nominated representative to the PCEHR. |
| acceptNominatedRepresentative | Yes | This operation is used to acknowledge acceptance of being appointed as a nominated representative by presenting an access code. |
| updateNominatedRepresentative | Yes | This operation is used to update a nominated representative's information. |
| removeNominatedRepresentative | Yes | This operation is used to remove a nominated representative from a given PCEHR. |
| getNominatedRepresentatives | Yes | This operation is used to get the list of nominated representatives for a given PCEHR. |
| createAuthorisedRepresentative | Yes | This operation is used to create an authorised representative (Parent) for the PCEHR. |
| removeAuthorisedRepresentative | Yes | This operation is used to remove the authorised representative from the PCEHR. |
| getAuthorisedRepresentatives | Yes | This operation is used to get the list of a PCEHR's authorised representatives. |
| createNotificationPreference | Yes | This operation is used to create a new notification preference for the PCEHR. |
| updateNotificationPreference | Yes | This operation is used to update a notification preference for a PCEHR. |
| removeNotificationPreference | Yes | This operation is used to remove a notification preference from the PCEHR. |
| getNotificationPreferences | Yes | This operation is used to get the PCEHR's notification preferences. |
| setPCEHRContactDetails | Yes | This operation is used to update the PCEHR's contact details (i.e. Email, Mobile, Emergency, Next of Kin, etc). |

| Service Interface - Operations | Mandatory | Comment |
|---|---|---|
| getMedicareDataPreferences | Yes | This operation is used to get the Medicare data (ACIR, AODR, MBS and PBS) preferences. |
| setMedicareDataPreferences | Yes | This operation is used to set the Medicare data (ACIR, AODR, MBS and PBS) preferences. |
| getProviderAccessList | Yes | This operation is used to get the PCEHR's Provider Access List. |
| setProviderAccess | Yes | This operation is used to set a Provider Organisation's read and write access level. |
| removeProviderFromAccessList | Yes | This operation is used to remove a Provider Organisation from the PCEHR's Provider Access List |
| createPastInformationPreferences | Yes | This operation is used to create past information assimilation preferences for the PCEHR (e.g. Medicare Data) |
| updatePastInformationPreferences | Yes | This operation is used to update the PCEHR past information assimilation preferences. |
| removePastInformationPreferences | Yes | This operation is used to remove the PCEHR information assimilation preferences. |
| getPastInformationPreferences | Yes | This operation is used to get the list of the PCEHR past information preferences. |
| getTermsAndConditions | Yes | This operation is used to get terms and conditions. |
| acceptTermsAndConditions | Yes | This operation is used to allow the Individual and Representative (Authorised and Nominated) to accept the PCEHR System term and conditions. |
| takeControlPCEHR | Yes | This operation is used to allow an Individual to take control of their PCEHR from an Authorised Representative(s). |

The following sub-sections provide operation-specific considerations and conformance points for each of the operations defined in the above table.

#### 2.3.1.1 Service Operation - getPCEHRs


*Figure 7 – getPCEHRs*

### *Description*

This operation provides the ability to get a list of PCEHRs that are associated with the PCEHR Identity accessing from the *PCEHR User System (Conformant Consumer Portal)*. The PCEHRs returned can be Self PCEHR and/or other PCEHRs (if the PCEHR Identity is a Nominated or Authorised Representative for other PCEHRs).

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 1** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 2** | The *Service Provider* SHALL return all active and inactive PCEHRs that are associated with the PCEHR Identity. |

### *Input, Output and Fault*

*Table 3 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | GetPCEHRsRequest |
| Output | GetPCEHRsResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 3** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition in section 3.1.66. |

## 2.3.1.2 Service Operation - getPCEHRDisclosureFlag

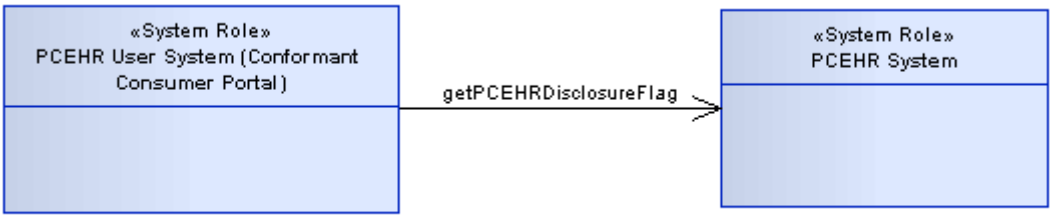



*Figure 8 – getPCEHRDisclosureFlag*

### *Description*

This operation provides the ability for an Individual or their Authorised Representative to get their PCEHR's disclosure flag from a *PCEHR User System*

*(Conformant Consumer Portal)*. A disclosure flag is used to indicate if an Individual elects to allow a Clinical Information System to advertise that the Individual has a PCEHR.

#### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 4** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 5** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

#### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 6** | The *Service Provider* SHALL only set the PCEHR disclosure flag when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |
| **AMGS-L 7** | The *Service Provider* SHALL only return the PCEHR Disclosure Flag when the PCEHR Access Mode is 'Advanced'. |

#### *Input, Output and Fault*

*Table 4 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | GetPCEHRDisclosureFlagRequest |
| Output | GetPCEHRDisclosureFlagResponse |
| Fault | GenericServiceFault |

#### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 8** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 9** | The *Service Provider* SHALL return an error when the PCEHR Access Mode is not 'Advanced'. |
| **AMGS-L 10** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition in section 3.1.66. |

### 2.3.1.3 Service Operation - setPCEHRDisclosureFlag


*Figure 9 – setPCEHRDisclosureFlag*

### Description

This operation provides the ability for an Individual or their Authorised Representative to set or update their PCEHR's disclosure flag from a *PCEHR User System (Conformant Consumer Portal)*. A disclosure flag is used to indicate if an Individual elects to allow a Clinical Information System to advertise that the Individual has a PCEHR.

### Precondition

*Conformance Points*

| | |
|---|---|
| **AMGS-L 11** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 12** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

### Post condition

*Conformance Points*

| | |
|---|---|
| **AMGS-L 13** | The *Service Provider* SHALL only set the PCEHR disclosure flag when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |
| **AMGS-L 14** | The *Service Provider* SHALL only allow the PCEHR Disclosure Flag to be set when the PCEHR Access Mode is 'Advanced'. |

### Input, Output and Fault

*Table 5 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | SetPCEHRDisclosureFlagRequest |
| Output | SetPCEHRDisclosureFlagResponse |
| Fault | GenericServiceFault |

### Exception Conditions

*Conformance Points*

| | |
|---|---|
| **AMGS-L 15** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 16** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition in section 3.1.66. |

### 2.3.1.4 Service Operation – getPCEHRAccessMode

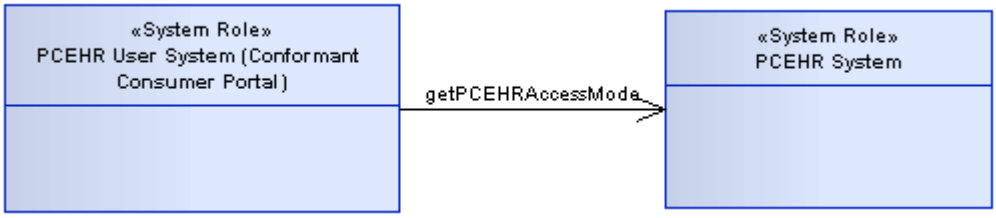



*Figure 10 – getPCEHRAccessMode*

#### *Description*

This operation provides the ability for an Individual or their Authorised Representative to get the PCEHR Access Mode from a *PCEHR User System (Conformant Consumer Portal)*. The PCEHR Access Mode contains details about whether an individual has elected to use 'Basic' or 'Advanced' options to control access to their PCEHR and the individual access codes (PACC and/or PACCX).

#### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 17** | The Service Invoker (Conformant Consumer Portal) SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 18** | The Service Invoker (Conformant Consumer Portal) SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

#### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 19** | The *Service Provider* SHALL only return the PCEHR Access Mode when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

#### *Input, Output and Fault*

*Table 6 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | GetPCEHRAccessModeRequest |
| Output | GetPCEHRAccessModeResponse |
| Fault | GenericServiceFault |

#### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 20** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L** 21 | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

#### 2.3.1.5 Service Operation – setPCEHRAccessMode

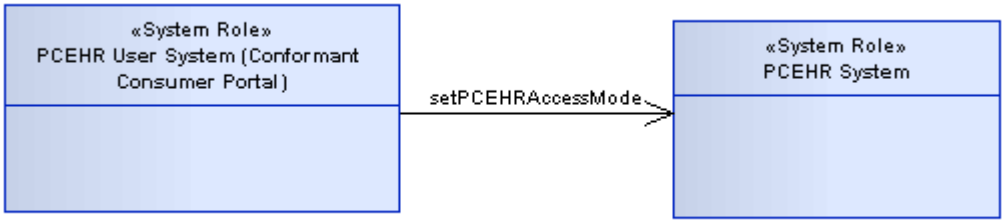



*Figure 11 – setPCEHRAccessMode*

### *Description*

This operation provides the ability for an Individual or their Authorised Representative to set the PCEHR Access Mode to either 'Basic' or 'Advanced' from a *PCEHR User System (Conformant Consumer Portal).*
The 'Basic' Setting allows a provider involved in an Individual's healthcare to access their PCEHR openly without any restrictions even for the first time access.
The 'Advanced' setting allows the Individual or their Authorised Representative to:

- only allow Providers to access their PCEHR by providing an access code (PACC or PACCX)
- hide/disclose their PCEHR existence
- set read/write access levels for healthcare provider organisations
- manage document access levels within their PCEHR.

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 22** | The Service Invoker (Conformant Consumer Portal) SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 23** | The Service Invoker (Conformant Consumer Portal) SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 24** | The *Service Provider* SHALL only set the PCEHR Access Mode when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

### *Input, Output and Fault*

*Table 7 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | SetPCEHRAccessModeRequest |
| Output | SetPCEHRAccessModeResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 25** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L** 26 | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

#### 2.3.1.6 Service Operation – setPACC


*Figure 12 – setPACC*

### *Description*

This operation provides the ability for an Individual or their Authorised Representative to set or update the PACC for the Individual's PCEHR from the *PCEHR User System (Conformant Consumer Portal).*

A PACC is used to grant access to an Individual's PCEHR to a provider involved in the Individual's healthcare when the provider is accessing their PCEHR for the first time. The PACC can only be set when PCEHR Access Mode is 'Advanced' and the Individual has elected to use an Access Code.

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 27** | The Service Invoker (Conformant Consumer Portal) SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 28** | The Service Invoker (Conformant Consumer Portal) SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 29** | The *Service Provider* SHALL only set the PCEHR PACC when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |
| **AMGS-L 30** | The *Service Provider* SHALL only allow the PACC to be set when the PCEHR Access Mode is 'Advanced' and the Individual has elected to use an Access Code. |
| **AMGS-L 31** | The *Service Provider* SHALL NOT allow the PACC to be the same code as the PACCX. |
| **AMGS-L 32** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |

### *Input, Output and Fault*

*Table 8 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | SetPACCRequest |
| Output | SetPACCResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 33** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 34** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.3.1.7 Service Operation – setPACCX

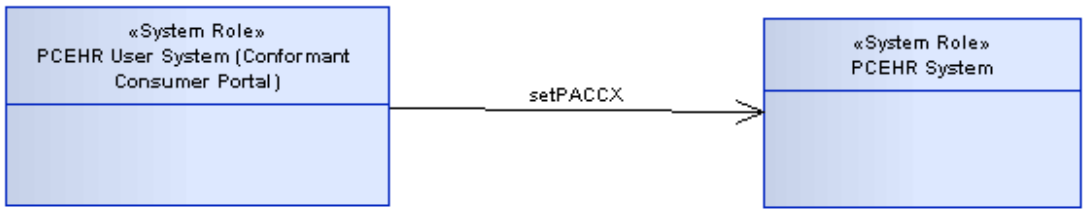



*Figure 13 – setPACCX*

### *Description*

This operation provides the ability for an Individual or their Authorised Representative to set or update the PACCX for the Individual's PCEHR from a *PCEHR User System (Conformant Consumer Portal).* A PACCX is used to grant access to an Individual's clinical documents marked as 'Limited Access' to a provider who is involved in the Individual's healthcare. The PACCX can only be set when PCEHR Access Mode is 'Advanced'.

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 35** | The Service Invoker (Conformant Consumer Portal) SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 36** | The Service Invoker (Conformant Consumer Portal) SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 37** | The *Service Provider* SHALL only set the PCEHR PACCX when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |
| **AMGS-L 38** | The *Service Provider* SHALL only allow the PACCX to be set when the PCEHR Mode is 'Advanced'. |
| **AMGS-L 39** | The *Service Provider* SHALL NOT allow the PACCX to be the same code as the PACC. |

### *Input, Output and Fault*

*Table 9 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | SetPACCXRequest |
| Output | SetPACCXResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 40** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 41** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.3.1.8 Service Operation – appointNominatedRepresentative


*Figure 14 – appointNominatedRepresentative*

### *Description*

This operation provides the ability for an Individual or their Authorised Representative to appoint a nominated representative to the Individual's PCEHR from a *PCEHR User System (Conformant Consumer Portal).* An access code will be returned to the Individual or their Authorised Representative. This code will be used by the nominated representative to accept the nomination from.

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 42** | The Service Invoker (Conformant Consumer Portal) SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 43** | The Service Invoker (Conformant Consumer Portal) SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 44** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |
| **AMGS-L 45** | The *Service Provider* SHALL return an Access Code and the Expiry Date to the *Service Invoker* when the operation is successful. |

### *Input, Output and Fault*

*Table 10 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | AppointNominatedRepresentativeRequest |
| Output | AppointNominatedRepresentativeResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 46** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 47** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.3.1.9 Service Operation – acceptNominatedRepresentative

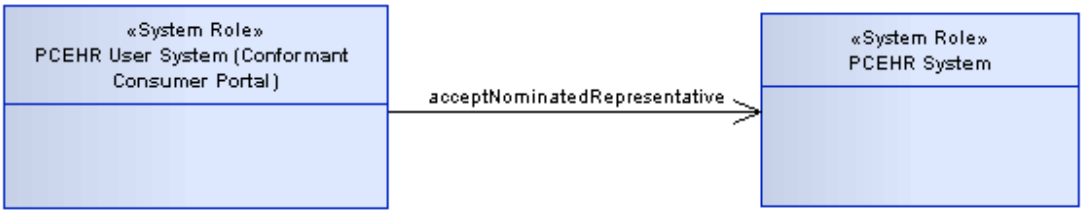



*Figure 15 – acceptNominatedRepresentative*

### *Description*

This operation provides the ability for a Nominated Representative to accept an appointment to be a Nominated Representative for a PCEHR from a *PCEHR User System (Conformant Consumer Portal).* A person who claims to be a nominated

representative needs to provide sufficient information (including the Access Code and Family Name and Date Of Birth of the record holder) to prove their identify prior to being accepted by the *PCEHR System* as a Nominated Representative.

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 48** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the PCEHR record holder Family Name and Date of Birth. |
| **AMGS-L 49** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Nominated Representative Access Code that is given by the PCEHR record holder or Authorised Representative. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 50** | The *Service Provider* SHALL validate the Nominated Representative Access Code, PCEHR record holder Date of Birth and PCEHR record holder Family Name. |
| **AMGS-L 51** | The *Service Provider* SHALL create the Nominated Representative's relationship to the PCEHR Identity when the Nominated Representative Access Code is valid. |

### *Input, Output and Fault*

*Table 11 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | AcceptNominatedRepresentativeRequest |
| Output | AcceptNominatedRepresentativeResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 52** | The *Service Provider* SHALL NOT allow the Nominated Representative Access Code to be used again in the future. |
| **AMGS-L 53** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.3.1.10 Service Operation – updateNominatedRepresentative

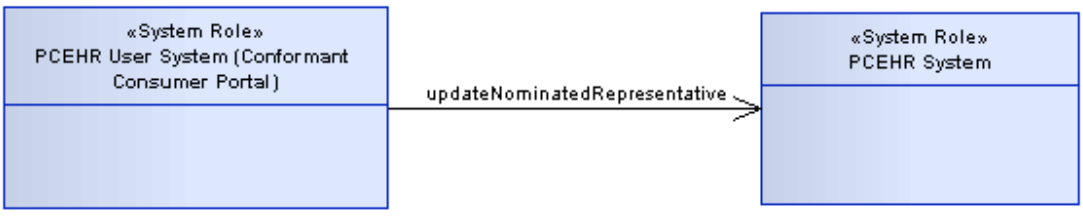



*Figure 16 – updateNominatedRepresentative*

### Description

This operation provides the ability for an Individual or their Authorised Representative to update the nominated representative's information from a *PCEHR User System (Conformant Consumer Portal).* The information that can be updated includes the preferred name used to identify the Nominated Representative and access level given to the representative.

### Precondition

*Conformance Points*

| | |
|---|---|
| **AMGS-L 54** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 55** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |
| **AMGS-L 56** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the nominated representative identifier when performing this request. |

### Post condition

*Conformance Points*

| | |
|---|---|
| **AMGS-L 57** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

### Input, Output and Fault

*Table 12 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | UpdateNominatedRepresentativeRequest |
| Output | UpdateNominatedRepresentativeResponse |
| Fault | GenericServiceFault |

### Exception Conditions

*Conformance Points*

| | |
|---|---|
| **AMGS-L 58** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 59** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

### 2.3.1.11 Service Operation – removeNominatedRepresentative


*Figure 17 – removeNominatedRepresentative*

#### *Description*

This operation provides the ability for an Individual or their Authorised Representative to remove the nominated representative from the Individual's PCEHR from the *PCEHR User System (Conformant Consumer Portal).*

#### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 60** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 61** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |
| **AMGS-L 62** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the nominated representative identifier when performing this request. |

#### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 63** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

#### *Input, Output and Fault*

*Table 13 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | RemoveNominatedRepresentativeRequest |
| Output | RemoveNominatedRepresentativeResponse |
| Fault | GenericServiceFault |

#### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 64** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 65** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

### 2.3.1.12 Service Operation – getNominatedRepresentatives


*Figure 18 – getNominatedRepresentatives*

#### *Description*

This operation provides the ability for an Individual or their Authorised Representative to get the list of nominated representatives associated with the PCEHR from the *PCEHR User System (Conformant Consumer Portal).*

#### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 66** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 67** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

#### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 68** | The *Service Provider* SHALL return all the active nominated representatives that are associated with the PCEHR. |
| **AMGS-L 69** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

#### *Input, Output and Fault*

*Table 14 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | GetNominatedRepresentativesRequest |
| Output | GetNominatedRepresentativesResponse |
| Fault | GenericServiceFault |

#### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 70** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |

| | |
|---|---|
| **AMGS-L 71** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

### 2.3.1.13 Service Operation – createAuthorisedRepresentative


*Figure 19 – createAuthorisedRepresentative*

#### *Description*

This operation provides the ability to add a parent as an Authorised Representative for a child's PCEHR from the *PCEHR User System (Conformant Consumer Portal)*.As an Authorised Representative, the parent is able to act on behalf of the child to manage the child's PCEHR.

#### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 72** | The Service Invoker *(Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 73** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

#### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 74** | The *Service Provider* SHALL establish Authorised Representative relationship to the PCEHR record holder. |

#### *Input, Output and Fault*

*Table 15 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | CreateAuthorisedRepresentativeRequest |
| Output | CreateAuthorisedRepresentativeResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 75** | The *Service Provider* SHALL return an error when the *Service Invoker (Conformant Consumer Portal)* PCEHR Identity is an Authorised Representative to the PCEHR record holder. |
| **AMGS-L 76** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.3.1.14 Service Operation – removeAuthorisedRepresentative


*Figure 20 – removeAuthorisedRepresentative*

### *Description*

This operation provides the ability for an Authorised Representative to remove themselves from the Individual's PCEHR from the *PCEHR User System (Conformant Consumer Portal).*

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 77** | The Service Invoker (*Conformant Consumer Portal*) SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 78** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 79** | The *Service Provider* SHALL only allow this operation for the *Service Invoker (Conformant Consumer Portal)*. |

### *Input, Output and Fault*

*Table 16 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | RemoveAuthorisedRepresentativeRequest |
| Output | RemoveAuthorisedRepresentativeResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 80** | The *Service Provider* SHALL return an error when the *Service Invoker (Conformant Consumer Portal)* PCEHR Identity is not Authorised Representative. |
| **AMGS-L 81** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.3.1.15 Service Operation – getAuthorisedRepresentatives

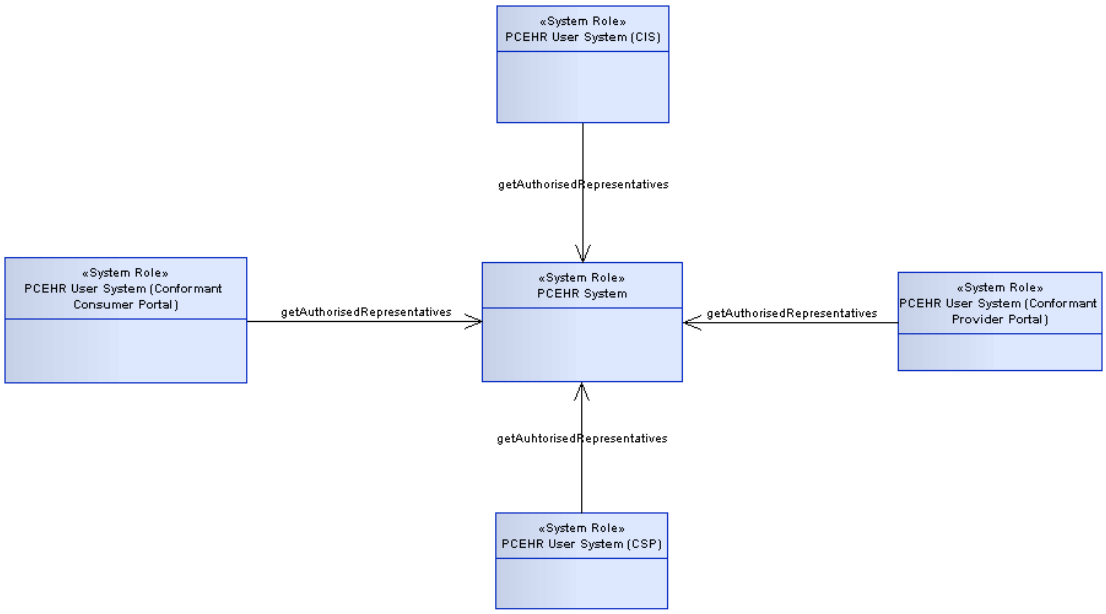



*Figure 21 – getAuthorisedRepresentatives*

### *Description*

This operation provides the ability for an Individual, their Authorised Representative, their Nominated Representative or Healthcare Provider to get the list of Authorised Representatives from the *PCEHR User System (Conformant Consumer Portal), PCEHR User System (Conformant Provider Portal), PCEHR User System (CIS) or PCEHR User System (CSP).* General information such as full name for each representative included in this list will be returned.

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 82** | The *Service Invoker (CIS, CSP, Conformant Provider Portal and Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 83** | The *Service Invoker (Conformant Provider Portal, CIS and CSP)* SHALL pass the Healthcare Provider Organisation Identifier (HPI-O) of the Healthcare Provider Organisation when performing this request. |
| **AMGS-L 84** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 85** | The *Service Provider* SHALL return all active authorised representatives that are associated with the PCEHR when the *Service Invoker* does not specify the authorised representative type. |
| **AMGS-L 86** | The *Service Provider* SHALL return only parental authorised representative that are associated with the PCEHR when the *Service Invoker* specifies the authorised representative type to parental. |
| **AMGS-L 87** | The *Service Provider* SHALL return only legally appointed authorised representative(s) that are associated with the PCEHR when the *Service Invoker* specifies the authorised representative type to legally appointed. |
| **AMGS-L 88** | The *Service Provider* SHALL return a response indicating that the Healthcare Provider does not have access to the PCEHR when the *Service Invoker (Conformant Provider Portal, CSP and CIS)* Healthcare Provider Organisation does not have access to the PCEHR. |

### *Input, Output and Fault*

*Table 17 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | GetAuthorisedRepresentativesRequest |
| Output | GetAuthorisedRepresentativesResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 89** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.3.1.16 Service Operation – createNotificationPreference


*Figure 22 – createNotificationPreference*

### *Description*

This operation provides the ability for an Individual or their Authorised Representative(s) to create notification preference from the *PCEHR User System (Conformant Consumer Portal).* The Individual or their Authorised Representative needs to create separate notification preferences and specify notification methods

(SMS or email) for each pre-defined business event, such as access made via 'Emergency Access' or when a Nominated Representative accesses the Individual's PCEHR.

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 90** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 91** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 92** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

### *Input, Output and Fault*

*Table 18 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | CreateNotificationPreferenceRequest |
| Output | CreateNotificationPreferenceResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 93** | The *Service Provider* SHALL return an error if the Channel is email and the PCEHR Identity's email address is not set**.** |
| **AMGS-L 94** | The *Service Provider* SHALL return an error if the Channel is SMS and the PCEHR Identity's mobile number is not set. |
| **AMGS-L 95** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 96** | The *Service Provider* SHALL return an error when the *Service Invoker* tries to create a notification preference that already exists. |
| **AMGS-L 97** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

### 2.3.1.17 Service Operation – updateNotificationPreference


*Figure 23 – updateNotificationPreference*

#### *Description*

This operation provides the ability for an Individual or their Authorised Representative to update the Individual's PCEHR notification preferences from the *PCEHR User System (Conformant Consumer Portal).* All the information about a notification preference can be updated such as changing the preference value or changing the related notification method or both.

#### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 98** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 99** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

#### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 100** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

#### *Input, Output and Fault*

*Table 19 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | UpdateNotificationPreferenceRequest |
| Output | UpdateNotificationPreferenceResponse |
| Fault | GenericServiceFault |

#### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 101** | The *Service Provider* SHALL return an error if the Channel is email and the PCEHR's email address is not set |
| **AMGS-L 102** | The *Service Provider* SHALL return an error if the Channel is SMS and the PCEHR's mobile number is not set. |
| **AMGS-L 103** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR is not Self or Authorised Representative. |

| | |
|---|---|
| **AMGS-L 104** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

### 2.3.1.18 Service Operation – removeNotificationPreference


*Figure 24 – removeNotificationPreference*

#### *Description*

This operation provides the ability for an Individual or their Authorised Representative to remove a notification preference from the Individual's PCEHR from a *PCEHR User System (Conformant Consumer Portal).*

#### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 105** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 106** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

#### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 107** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

#### *Input, Output and Fault*

*Table 20 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | RemoveNotificationPreferenceRequest |
| Output | RemoveNotificationPreferenceResponse |
| Fault | GenericServiceFault |

#### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 108** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 109** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

### 2.3.1.19 Service Operation – getNotificationPreferences


*Figure 25 – getNotificationPreferences*

#### *Description*

This operation provides the ability for an Individual or their Authorised Representative to get the list of the Individual's PCEHR notification preferences from the *PCEHR User System (Conformant Consumer Portal).* The information about each notification preference returned in the list includes the notification preference's description, the notification preference value and the corresponding notification method.

#### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 110** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 111** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

#### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 112** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

#### *Input, Output and Fault*

*Table 21 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | GetNotificationPreferencesRequest |
| Output | GetNotificationPreferencesResponse |
| Fault | GenericServiceFault |

#### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 113** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 114** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

### 2.3.1.20 Service Operation – setPCEHRContactDetails


*Figure 26 – setPCEHRContactDetails*

#### *Description*

This operation provides the ability for an Individual or their Authorised Representative to set the Individual's PCEHR personal contact details (email address and mobile number) and other contact details such as Emergency, Next of Kin and Carers from the *PCEHR User System (Conformant Consumer Portal).*

#### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 115** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 116** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

#### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 117** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

#### *Input, Output and Fault*

*Table 22 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | SetPCEHRContactDetailsRequest |
| Output | SetPCEHRContactDetailsResponse |
| Fault | GenericServiceFault |

#### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 118** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 119** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

### 2.3.1.21 Service Operation – getMedicareDataPreferences

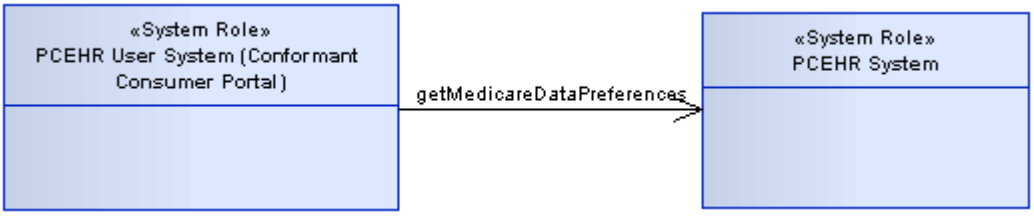



*Figure 27 – getMedicareDataPreferences*

#### *Description*

This operation provides the ability for an Individual or their Authorised Representative to get the Individual's PCEHR Medicare data preferences (AODR, ACIR, MBS and PBS) from a *PCEHR User System (Conformant Consumer Portal).*

#### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 120** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 121** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

#### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 122** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

#### *Input, Output and Fault*

*Table 23 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | GetMedicareDataPreferencesRequest |
| Output | GetMedicareDataPreferencesResponse |
| Fault | GenericServiceFault |

#### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 123** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 124** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

### 2.3.1.22 Service Operation – setMedicareDataPreferences

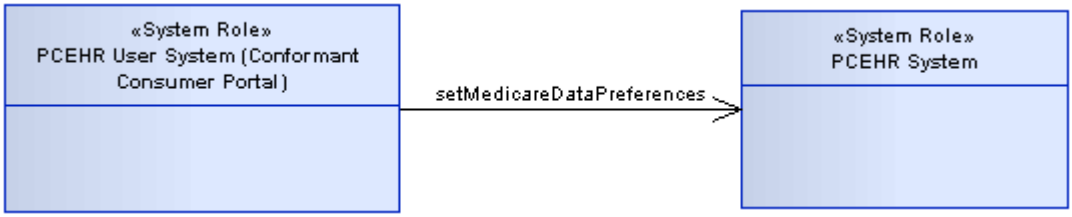



*Figure 28 – setMedicareDataPreferences*

#### *Description*

This operation provides the ability for an Individual or their Authorised Representative to set the Individual's PCEHR Medicare data preferences (AODR, ACIR, MBS and PBS) from a *PCEHR User System (Conformant Consumer Portal).*

#### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 125** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 126** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

#### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 127** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

#### *Input, Output and Fault*

*Table 24 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | SetMedicareDataPreferencesRequest |
| Output | SetMedicareDataPreferencesResponse |
| Fault | GenericServiceFault |

#### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 128** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 129** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

### 2.3.1.23 Service Operation – getProviderAccessList


*Figure 29 – getProviderAccessList*

#### *Description*

This operation provides the ability for an Individual, their Nominated Representative or their Authorised Representative to get the Individual's PCEHR Provider Access List from a *PCEHR User System (Conformant Consumer Portal).* General information, such as a healthcare provider organisation name, will be returned for each provider in the list. The healthcare provider organisation's access level will only be returned to the Individual and their Authorised Representative.

#### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 130** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 131** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

#### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 132** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self, Nominated Representative or Authorised Representative. |
| **AMGS-L 133** | The *Service Provider* SHALL NOT return the provider access level when the *Service Invoker* PCEHR Identity is Nominated Representative. |

#### *Input, Output and Fault*

*Table 25 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | GetProviderAccessListRequest |
| Output | GetProviderAccessListResponse |
| Fault | GenericServiceFault |

#### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 134** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

### 2.3.1.24 Service Operation – setProviderAccess

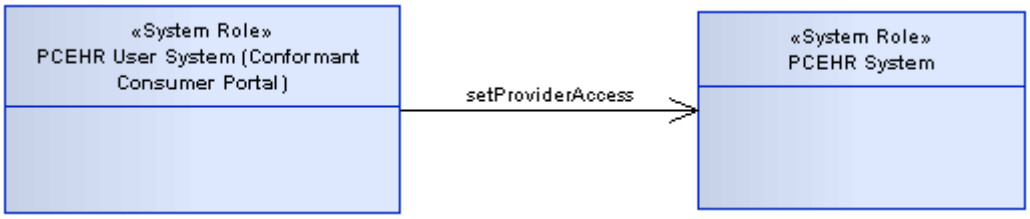



*Figure 30 – setProviderAccess*

#### *Description*

This operation provides the ability for an Individual or their Authorised Representative to set the Healthcare Provider's read and write access level from the *PCEHR User System (Conformant Consumer Portal).* The access level can be 'General Access', 'Limited Access' or 'Revoked Access' (only for read access).

#### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 135** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 136** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |
| **AMGS-L 137** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the healthcare provider organisation's HPI-O when performing this request. |

#### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 138** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |
| **AMGS-L 139** | The *Service Provider* SHALL only allow this operation when the PCEHR Access Mode is 'Advanced'. |

#### *Input, Output and Fault*

*Table 26 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | SetProviderAccessRequest |
| Output | SetProviderAccessResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 140** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 141** | The *Service Provider* SHALL return an error when the healthcare provider organisation's HPI-O is not in the Provider Access List. |
| **AMGS-L 142** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.3.1.25 Service Operation – removeProviderFromAccessList

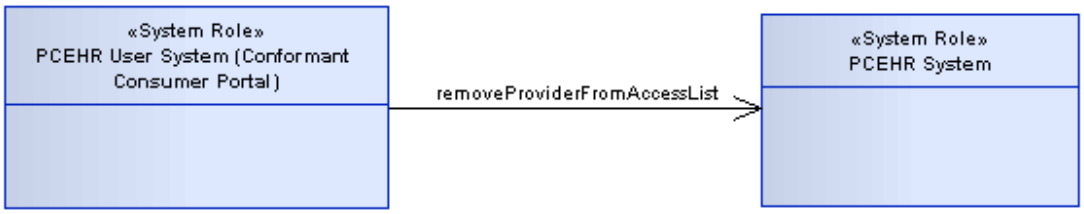



*Figure 31 – removeProviderFromAccessList*

### *Description*

This operation provides the ability for an Individual or their Authorised Representative to remove the Healthcare Provider from the PCEHR's Provider Access List via the *PCEHR User System (Conformant Consumer Portal).*

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 143** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 144** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |
| **AMGS-L 145** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the healthcare provider organisation's HPI-O when performing this request. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 146** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |
| **AMGS-L 147** | The *Service Provider* SHALL only allow this operation when the PCEHR Access Mode is 'Advanced'. |

### *Input, Output and Fault*

*Table 27 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | RemoveProviderFromAccessListRequest |

| Operation data fields | Data structures |
|---|---|
| Output | RemoveProviderFromAccessListResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 148** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 149** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.3.1.26 Service Operation – createPastInformationPreferences

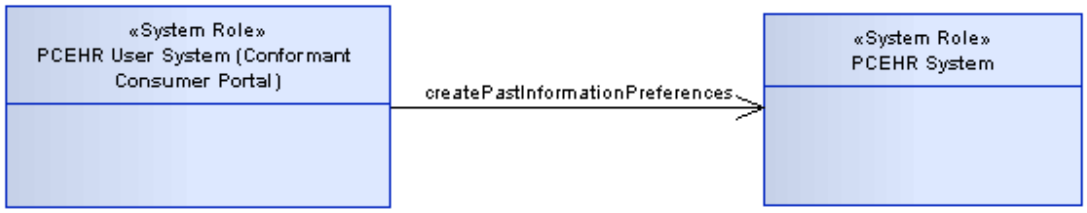



*Figure 32 – createPastInformationPreferences*

### *Description*

This operation provides the ability for an Individual or their Authorised Representative to create the PCEHR preferences for assimilating past information from the *PCEHR User System (Conformant Consumer Portal).* Past information assimilation preferences apply to Medicare data (including AODR, ACIR, MBS and PBS).

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 150** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 151** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 152** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |
| **AMGS-L 153** | The *Service Provider* SHALL return Past Information Preference Id when the operation is successful. |

### *Input, Output and Fault*

*Table 28 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | CreatePastInformationPreferencesRequest |
| Output | CreatePastInformationPreferencesResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

**AMGS-L 154** The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative.

**AMGS-L 155** The *Service Provider* SHALL return an error when the *Service Invoker* tries to create a past information preference that already exists.

**AMGS-L 156** If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66.

## 2.3.1.27 Service Operation – updatePastInformationPreferences


*Figure 33 – updatePastInformationPreferences*

### *Description*

This operation provides the ability for an Individual or their Authorised Representative to update the Individual's PCEHR past information preferences from the *PCEHR User System (Conformant Consumer Portal).* All the information about a past information preference can be updated.

### *Precondition*

*Conformance Points*

**AMGS-L 157** The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request.

**AMGS-L 158** The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request.

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 159** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

### *Input, Output and Fault*

*Table 29 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | UpdatePastInformationPreferencesRequest |
| Output | UpdatePastInformationPreferencesResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 160** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 161** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.3.1.28 Service Operation – removePastInformationPreferences

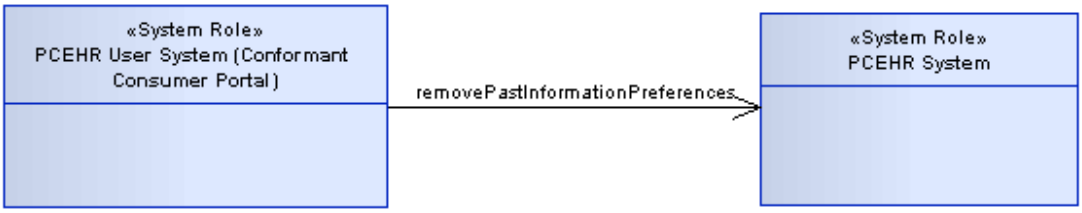



*Figure 34 – removePastInformationPreferences*

### *Description*

This operation provides the ability for an Individual or their Authorised Representative to remove the Individual's PCEHR past information preferences from the *PCEHR User System (Conformant Consumer Portal).*

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 162** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 163** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 164** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

### *Input, Output and Fault*

*Table 30 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | RemovePastInformationPreferencesRequest |
| Output | RemovePastInformationPreferencesResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 165** | The *Service Provider* SHALL return an error when the *Service Invoker* PCEHR Identity is not Self or Authorised Representative. |
| **AMGS-L 166** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.3.1.29 Service Operation – getPastInformationPreferences

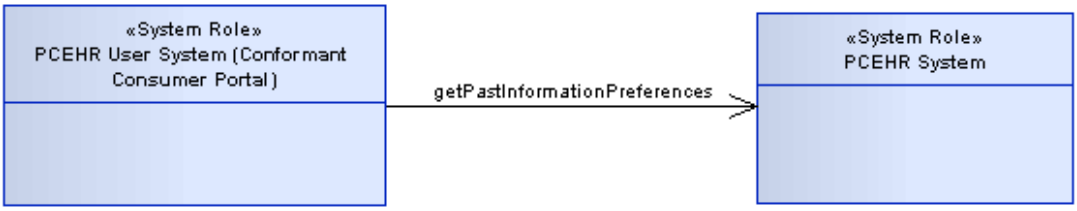



*Figure 35 – getPastInformationPreferences*

### *Description*

This operation provides the ability for an Individual or their Authorised Representative to get the list of the Individual's PCEHR past information preferences from the *PCEHR User System (Conformant Consumer Portal).*

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 167** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 168** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 169** | The *Service Provider* SHALL only allow this operation when the *Service Invoker* PCEHR Identity is Self or Authorised Representative. |

### *Input, Output and Fault*

*Table 31 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | GetPastInformationPreferencesRequest |
| Output | GetPastInformationPreferencesResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 170** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.3.1.30 Service Operation – getTermsAndConditions


*Figure 36 – getTermsAndConditions*

### *Description*

This operation provides the ability for an Individual, their Nominated Representative or their Authorised Representative to get the PCEHR System terms and conditions from a *PCEHR User System (Conformant Consumer Portal).* Since Terms and Conditions will be updated periodically, this operation needs to be called to obtain the updated Terms and Conditions when the PCEHR System indicates that the updated Terms and Conditions are available.

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 171** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 172** | The *Service Invoker* SHALL return the latest terms and conditions. |

### *Input, Output and Fault*

*Table 32 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | GetTermsAndConditionsRequest |
| Output | GetTermsAndConditionsResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 173** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.3.1.31 Service Operation – acceptTermsAndConditions

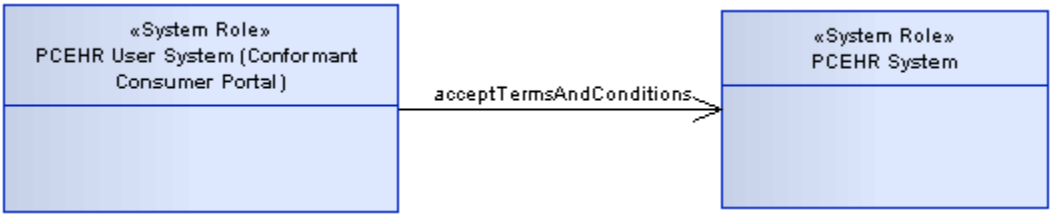



*Figure 37 – acceptTermsAndConditions*

### *Description*

This operation provides the ability for an Individual, their Nominated Representative or their Authorised Representative to accept the PCEHR System terms and conditions from a *PCEHR User System (Conformant Consumer Portal).* Terms and Conditions need to be accepted before any interaction can be made to the PCEHR System.

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 174** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 175** | The *Service Provider* SHALL store the terms and conditions acceptance information for the PCEHR Identity. |

### *Input, Output and Fault*

*Table 33 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | AcceptTermsAndConditionsRequest |
| Output | AcceptTermsAndConditionsResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 176** | The *Service Provider* SHALL return an error when the Portal user accepts the outdated terms and conditions. |
| **AMGS-L 177** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.3.1.32 Service Operation – takeControlPCEHR

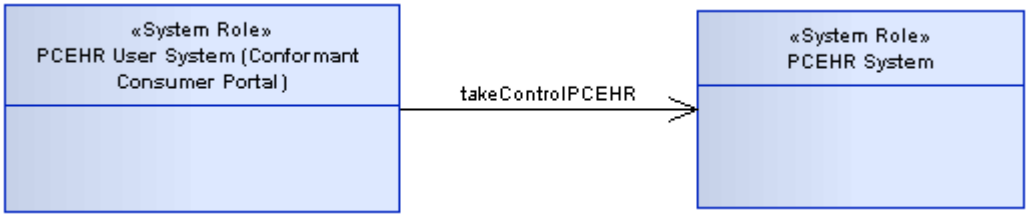



*Figure 38 – takeControlPCEHR*

### *Description*

This operation provides the ability for a Young Person or Individual to take control their PCEHR. Prior to performing the take control process, the Young Person or Individual needs to decide what access their Authorised Representative(s) will have after the take control process (i.e. downgrade to nominated representative or revoke their access).

### *Precondition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 178** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass the Individual Health Identifier (IHI) of the PCEHR record holder when performing this request. |
| **AMGS-L 179** | The *Service Invoker (Conformant Consumer Portal)* SHALL pass a unique identifier that identifies the Portal User to the PCEHR Identity when performing this request. |
| **AMGS-L 180** | The *Service Invoker (Conformant Consumer Portal)* SHOULD have previously successfully executed the getAuthorisedRepresentative operation to get the list of Authorised Representatives. |

| | |
|---|---|
| **AMGS-L 181** | The *Service Invoker (Conformant Consumer Portal)* SHOULD have previously successfully executed the getNominatedRepresentative operation to get the list of Nominated Representatives. |

### *Post condition*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 182** | The *Service Provider* SHALL downgrade the authorised representative to be nominated representative when the Young Person selects the downgrade to nominated representative option. |
| **AMGS-L 183** | The *Service Provider* SHALL downgrade the authorised representative to be nominated representative when the Young Person does not make any selection during the take control process. |
| **AMGS-L 184** | The *Service Provider* SHALL revoke the authorised representative access when the Young Person selects the revoke access option. |
| **AMGS-L 185** | The *Service Provider* SHALL remove all authorised representative(s) relationship to the PCEHR record holder. |

### *Input, Output and Fault*

*Table 34 – Input, Output and Fault*

| Operation data fields | Data structures |
|---|---|
| Input | TakeControlPCEHRRequest |
| Output | TakeControlPCEHRResponse |
| Fault | GenericServiceFault |

### *Exception Conditions*

*Conformance Points*

| | |
|---|---|
| **AMGS-L 186** | The *Service Provider* SHALL return an error when the Young Person's age is under 14 years. |
| **AMGS-L 187** | If a technical or functional error occurs while processing the request, the PCEHR System SHALL construct a response message conformant with the generic fault definition contained in section 3.1.66. |

## 2.4 Common Specifications

### 2.4.1 Security

*Conformance Points*

| | |
|---|---|
| **AMGS-L 188** | *Service Invoker* and *Service Provider* SHALL establish a secure communication channel when interacting with each other. |

#### 2.4.1.2 Data Confidentiality

*Conformance Point*

| | |
|---|---|
| **AMGS-L 189** | The *Service Invoker* and *Service Provider System* SHALL use Transport Layer Security (TLS) encryption to ensure data confidentiality. |

#### 2.4.1.3 Audit

*Conformance Points*

| | |
|---|---|
| **AMGS-L 190** | The *Service Invoker* and *Service Provider System* SHALL comply with audit requirements as per section 5.3 (Data Handling) in the National E-Health Security and Access Framework [NeSAF]. |

#### 2.4.1.4 PKI

*Conformance Points*

| | |
|---|---|
| **AMGS-L 191** | The *Service Invoker (CIS, CSP, Conformant Provider Portal and Conformant Consumer Portal)* SHALL use a NASH compliant X.509 certificate when interacting with *the Service Provider*. |
| **AMGS-L 192** | The *Service Provider* SHALL use NASH compliant Public Key Infrastructure to verify validity of the NASH certificate. |

### 2.4.2 Exception Condition

*Conformance Points*

| | |
|---|---|
| **AMGS-L 193** | The *Service Provider* SHALL return an exception indicating the *Service Invoker's* users need to accept terms and condition when terms and conditions have never been accepted or terms and conditions that were previously accepted have changed. |

## 2.5 System Role – PCEHR System

This section covers services provided by the Account Management Service only. Other services provided by the *PCEHR System* are addressed in separate logical service specifications (see Figure 1).

### 2.5.1 Role Considerations

The National *PCEHR System* is the only provider of the *PCEHR System*.

#### 2.5.1.1 Identification

PCEHR System Identification is deferred to implementable detail within the technical service specification.

#### 2.5.1.2 Authentication and Authorisation

*Conformance Points*

| | |
|---|---|
| **AMGS-L 194** | All inter-system communication shall occur over a mutually authenticated secure and encrypted communication channel. |

### 2.5.2 Services Provided

*The PCEHR System* provides the following logical services:

*Conformance Points*

| | |
|---|---|
| **AMGS-L 195** | The *PCEHR System* SHALL provide Account Management Service. |

### 2.5.3 Services Consumed

The *PCEHR System* does not consume other services in the context of the Account Management Service.

## 2.6 System Role – PCEHR User System (Conformant Consumer Portal)

### 2.6.1 Role Considerations

*PCEHR User System (Conformant Consumer Portal)* may be fulfilled by a third-party conformant consumer portal.

#### 2.6.1.1 Identification

The system role identification is derived from the information below.

*Conformance Point*

| | |
|---|---|
| **AMGS-L 196** | *PCEHR User System (Conformant Consumer Portal)* Vendor, Product Name, Version Number and Platform SHALL be used when interacting with the *PCEHR System* for system identification. |

#### 2.6.1.2 Authentication and Authorisation

*Conformance Point*

| | |
|---|---|
| **AMGS-L 197** | *The PCEHR User System (Conformant Consumer Portal)* SHALL provide encrypted and security identification of the portal web server using HTTPS protocol between portal web servers to the client browser. |
| **AMGS-L 198** | *The PCEHR User System (Conformant Consumer Portal)* SHALL provide application security, to ensure the local user only has access to resources that are granted to them. |
| **AMGS-L 199** | *The PCEHR User System (Conformant Consumer Portal)* SHALL pass the Portal User unique identifier that is used to bind the PCEHR Identity on every request made to *The PCEHR System.* |
| **AMGS-L 200** | *The PCEHR System* SHALL use the unique identifier that is passed by *The PCEHR User System (Conformant Consumer Portal)* to resolve the PCEHR Identity. |

#### 2.6.1.3 PKI

*Conformance Point*

| | |
|---|---|
| **AMGS-L 201** | *The PCEHR User System (Conformant Consumer Portal)* SHALL use a NASH compliant certificate when interacting with the *PCEHR System*. |

### 2.6.2 Services Provided

*The PCEHR User System (Conformant Consumer Portal)* does not provide any services in the context of Account Management Service Interface.

### 2.6.3 Services Consumed

*Conformance Points*

| | |
|---|---|
| **AMGS-L 202** | *The PCEHR User System (Conformant Consumer Portal)* SHALL consume Account Management Service. |

## 2.7 System Role – PCEHR User System (Clinical Information System)

### 2.7.1 Role Considerations

*PCEHR User System (CIS)* may be fulfilled by a number of systems, including GP desktop Practice Management System, Public/Private Acute Care Patient Administration System, Emergency Department System and Community Care System.

#### 2.7.1.1 Identification

The system role identification is derived from the information below.

*Conformance Points*

| | |
|---|---|
| **AMGS-L 203** | *PCEHR User System (CIS)* Vendor, Product Name, Version Number and Platform SHALL be used when interacting with the *PCEHR System* for system identification. |

#### 2.7.1.2 Authentication and Authorisation

*Conformance Points*

| | |
|---|---|
| **AMGS-L 204** | The *PCEHR User System (CIS)* SHALL use a NASH healthcare provider organisation (HPI-O) certificate for Transport Layer Security (TLS) when interacting with the *PCEHR System* for authentication. |
| **AMGS-L 205** | The *PCEHR System* SHALL use the HPI-O from the NASH healthcare provider organisation (HPI-O) certificate for the *PCEHR User System (CIS)* authorisation. |

#### 2.7.1.3 PKI

*Conformance Points*

| | |
|---|---|
| **AMGS-L 206** | The *Service Invoker* SHALL use a NASH healthcare provider organisation (HPI-O) certificate when interacting with the *PCEHR System*. |

### 2.7.2 Services Provided

The *PCEHR User System (CIS)* does not provide any services.

### 2.7.3 Services Consumed

*Conformance Points*

| | |
|---|---|
| **AMGS-L 207** | The *PCEHR User System (CIS)* SHALL consume the Account Management Service. |
| **AMGS-L 208** | The *PCEHR User System (CIS)* SHALL only consume getAuthorisedRepresentatives operation. |

## 2.8 System Role – PCEHR User System (Contracted Service Provider)

### 2.8.1 Role Considerations

The *PCEHR User System (CSP)* may be fulfilled by a hosted practice management system.

#### 2.8.1.1 Identification

The system role identification is derived from the following information.

*Conformance Points*

| | |
|---|---|
| **AMGS-L 209** | The *PCEHR User System (CSP)* Vendor, Product Name, Version Number and Platform SHALL be used when interacting with the PCEHR System for system identification. |

#### 2.8.1.2 Authentication and Authorisation

*Conformance Points*

| | |
|---|---|
| **AMGS-L 210** | The *PCEHR User System (CSP)* SHALL use NASH compliant certificate for Transport Layer Security (TLS) when interacting with the *PCEHR System* for authentication. |
| **AMGS-L 211** | The *PCEHR User System (CSP)* SHALL provide an HPI-O that the user is currently represented for *PCEHR User System (CSP)* authorisation. |
| **AMGS-L 212** | The *PCEHR system* SHALL use an HPI-O provided by the *PCEHR User System (CSP)* authorisation. |
| **AMGS-L 213** | The *PCEHR system* SHALL validate the relationship between the Healthcare Organisation (HPI-O) with the Contracted Service Provider (CSP). |

### 2.8.2 Services Provided

The *PCEHR User System (CSP)* does not provide any services.

### 2.8.3 Services Consumed

*Conformance Points*

| | |
|---|---|
| **AMGS-L 214** | The *PCEHR User System (CSP)* SHALL consume the Account Management Service. |
| **AMGS-L 215** | The *PCEHR User System (CSP)* SHALL only consume the getAuthorisedRepresentatives operation. |

## 2.9 System Role – PCEHR User System (Conformant Provider Portal)

### 2.9.1 Role Considerations

The *PCEHR User System (Conformant Provider Portal)* may be fulfilled by a third-party conformant provider portal.

#### 2.9.1.1 Identification

The system role identification is derived from the following information.

*Conformance Point*

| | |
|---|---|
| **AMGS-L 216** | The *PCEHR User System (Conformant Provider Portal)* Vendor, Product Name, Version Number and Platform SHALL be used when interacting with the PCEHR System for system identification. |

#### 2.9.1.2 Authentication and Authorisation

*Conformance Point*

| | |
|---|---|
| **AMGS-L 217** | The *PCEHR User System (Conformant Provider Portal)* SHALL use a NASH compliant certificate for Transport Layer Security (TLS) when interacting with *PCEHR System* for authentication. |
| **AMGS-L 218** | The *PCEHR User System (Conformant Provider Portal)* SHALL provide an HPI-O of the organisation that the *PCEHR User System (Conformant Provider Portal)* is currently representing. |
| **AMGS-L 219** | The *PCEHR system* SHALL use an HPI-O provided by the *PCEHR User System (Conformant Provider Portal) for* authorisation. |
| **AMGS-L 220** | The *PCEHR system* SHALL validate the relationship between the Healthcare Organisation (HPI-O) with the Contracted Service Provider (*Conformant Provider Portal*). |

### 2.9.2 Services Provided

The *PCEHR User System (Conformant Provider Portal)* does not provide any services.

### 2.9.3 Services Consumed

*Conformance Points*

| | |
|---|---|
| **AMGS-L 221** | The *PCEHR User System (Conformant Provider Portal)* SHALL consume Account Management Service. |
| **AMGS-L 222** | The *PCEHR User System (Conformant Provider Portal)* SHALL only consume the getAuthorisedRepresentatives operation. |

# 3 Information Viewpoint

The information viewpoint is concerned with the representation of information in the system. It is relevant for business (i.e. clinical and administrative) stakeholders and information modellers. The major contributions here is expected from subject matter experts (i.e. clinicians), health informatics experts, (i.e. clinical terminologists and informaticians) and information architects who document information components and the appropriate clinical terminology concepts according to their preferred style of expression.

## 3.1 Service Operation Data Types

### 3.1.1 GetPCEHRsRequest

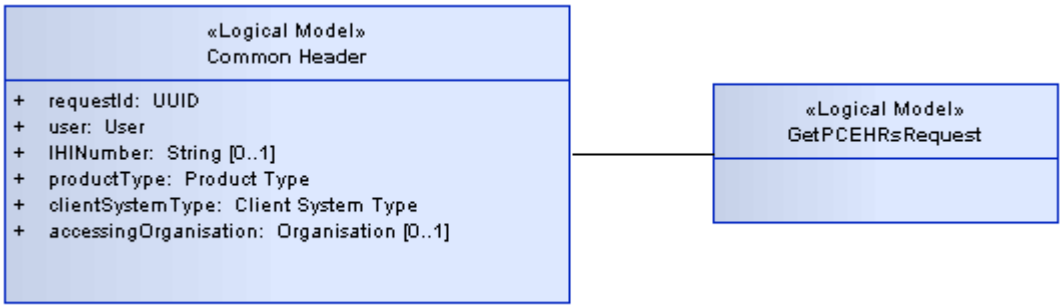



*Figure 39 – GetPCEHRsRequest*

*Table 35 - GetPCEHRsRequest*

| **GetPCEHRsRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |

### 3.1.2 GetPCEHRsResponse

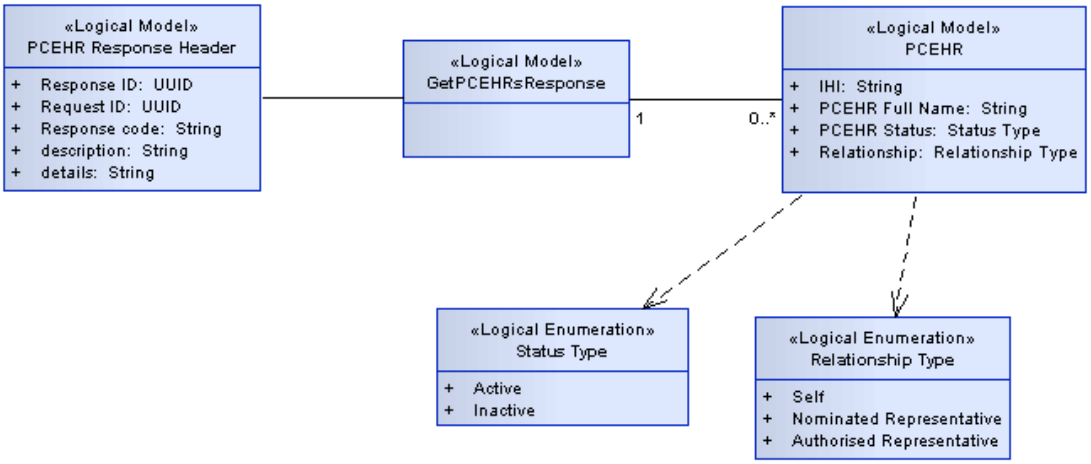



*Figure 40 – GetPCEHRsResponse*

*Table 36 – GetPCEHRsResponse*

| **GetPCEHRsResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHRs | PCEHR | All PCEHRs that are associated with the PCEHR Identity | 0..* |

*Conformance Points*

| | |
|---|---|
| **AMGS-L 223** | When there is no PCEHR found, the `PCEHRs` SHALL be set to NULL |

*Table 37 – GetPCEHRsResponse*

| **GetPCEHRsResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| IHI | String | PCEHR's IHI | 1 |
| PCEHR Full name | String | PCEHR owner's Full Name | 1 |
| PCEHR Status | Enumeration | PCEHR Status i.e. Active or Inactive | 1 |
| Relationship | Enumeration | PCEHR relationship i.e. Authorised Representative, Nominated Representative or Self | 1 |

### 3.1.3 GetPCEHRDisclosureFlagRequest

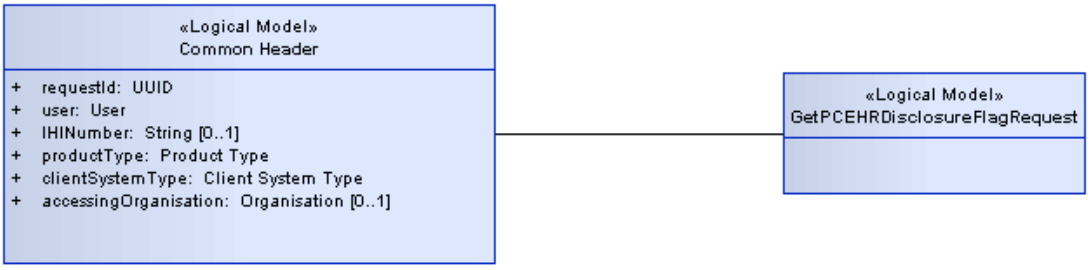



*Figure 41 – GetPCEHRDisclosureFlagRequest*

*Table 38 – GetPCEHRDisclosureFlagRequest*

| **GetPCEHRDisclosureFlagRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |

### 3.1.4 GetPCEHRDisclosureFlagResponse


*Figure 42 – GetPCEHRDisclosureFlagResponse*

*Table 39 – GetPCEHRDisclosureFlagResponse*

| **GetPCEHRDisclosureFlagResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| Disclosure Flag | Boolean | PCEHR record disclosure flag | 0..1 |

### 3.1.5 SetPCEHRDisclosureFlagRequest

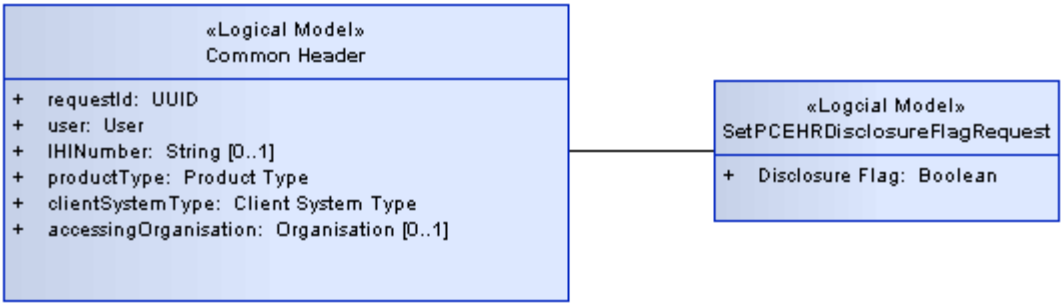



*Figure 43 – SetPCEHRDisclosureFlagRequest*

*Table 40 – SetPCEHRDisclosureFlagRequest*

| **SetPCEHRDisclosureFlagRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Disclosure Flag | Boolean | PCEHR record disclosure flag | 1 |

### 3.1.6 SetPCEHRDisclosureFlagResponse

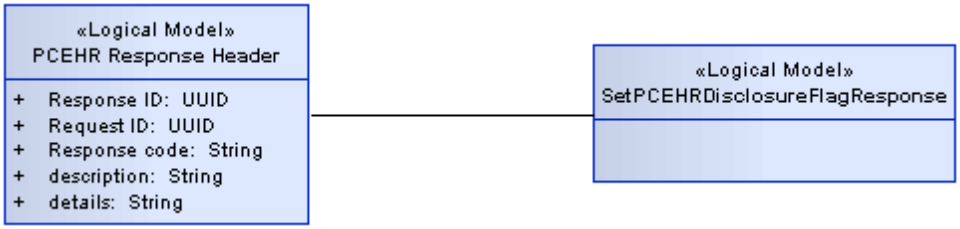



*Figure 44 – SetPCEHRDisclosureFlagResponse*

*Table 41 – SetPCEHRDisclosureFlagResponse*

| **SetPCEHRDisclosureFlagResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

### 3.1.7 GetPCEHRAccessModeRequest

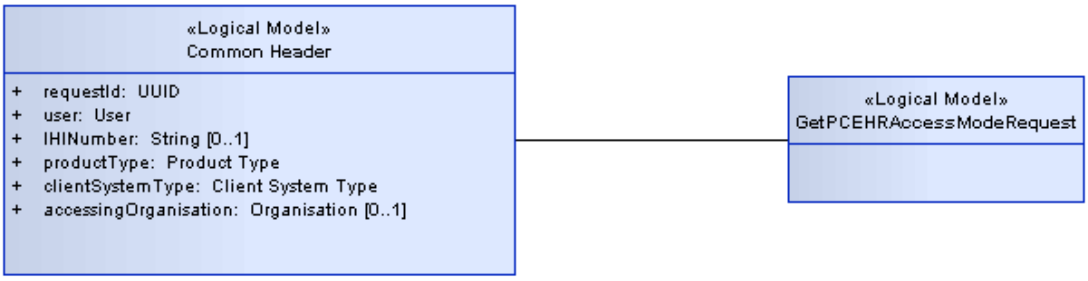



*Figure 45 – GetPCEHRAccessModeRequest*

*Table 42 – GetPCEHRAccessModeRequest*

| **GetPCEHRAccessModeRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |

### 3.1.8 GetPCEHRAccessModeResponse

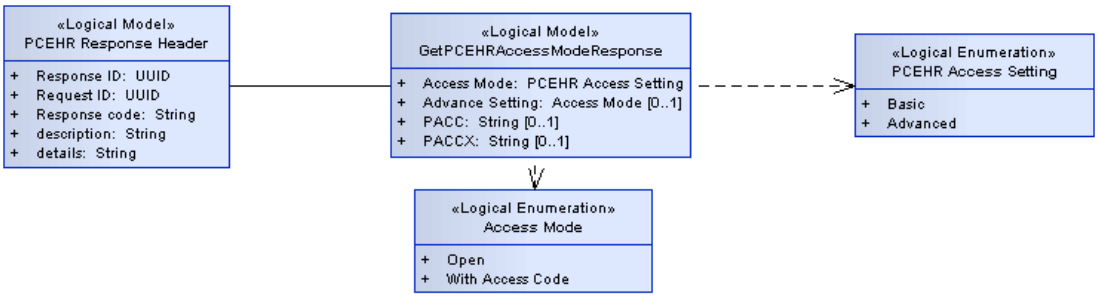



*Figure 46 – GetPCEHRAccessModeResponse*

*Table 43 – GetPCEHRAccessModeResponse*

| **GetPCEHRAccessModeResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| Access Mode | Enumeration | PCEHR Access Settings (Basic or Advanced) | 1 |
| Advanced Setting | Enumeration | Advanced Setting (Open or With Access Code) | 0..1 |
| PACC | String | PACC Code | 0..1 |
| PACCX | String | PACCX Code | 0..1 |

*Conformance Points*

| | |
|---|---|
| **AMGS-L 224** | When **`Access Mode`** is Advanced, the Advanced Setting SHALL be populated. |

### 3.1.9 SetPCEHRAccessModeRequest

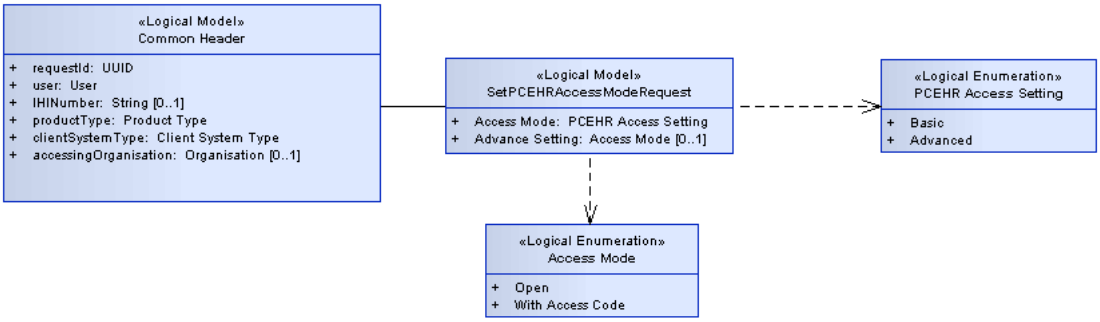



*Figure 47 – SetPCEHRAccessModeRequest*

*Table 44 – SetPCEHRAccessModeRequest*

| **SetPCEHRAccessModeRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Access Mode | Enumeration | PCEHR Access Settings (Basic or Advanced) | 1 |
| Advanced Setting | Enumeration | Advanced Setting (Open or With Access Code) | 0..1 |

*Conformance Points*

| | |
|---|---|
| **AMGS-L 225** | When **`Access Mode`** is Advanced the Advanced Setting SHALL be populated. |

### 3.1.10 SetPCEHRAccessModeResponse


*Figure 48 – SetPCEHRAccessModeResponse*

*Table 45 – SetPCEHRAccessModeResponse*

| SetPCEHRAccessModeResponse | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

### 3.1.11 SetPACCRequest

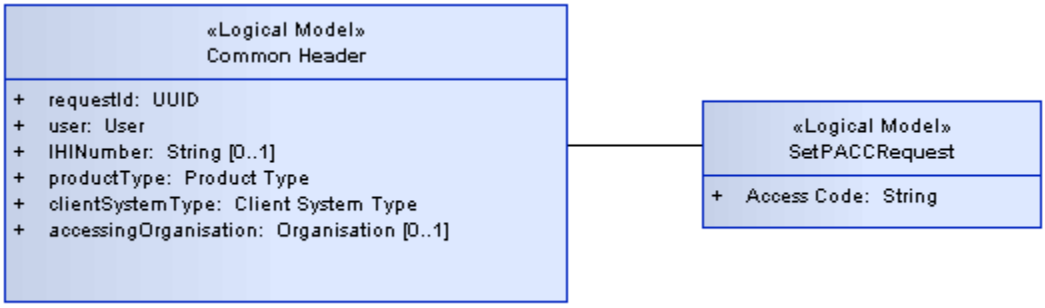



*Figure 49 – SetPACCRequest*

*Table 46 – SetPACCRequest*

| SetPACCRequest | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Access Code | String | PACC code | 1 |

*Conformance Points*

| | |
|---|---|
| **AMGS-L 226** | When **`Access Code`** is set, it SHALL be at least 8 characters long and maximum 20 characters long. |

### 3.1.12 SetPACCResponse

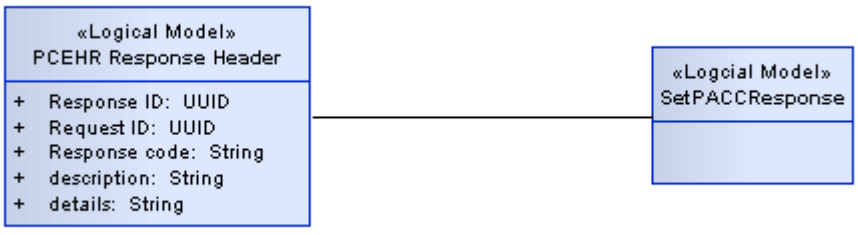



*Figure 50 – SetPACCResponse*

*Table 47 – SetPACCResponse*

| SetPACCResponse | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

### 3.1.13 SetPACCXRequest

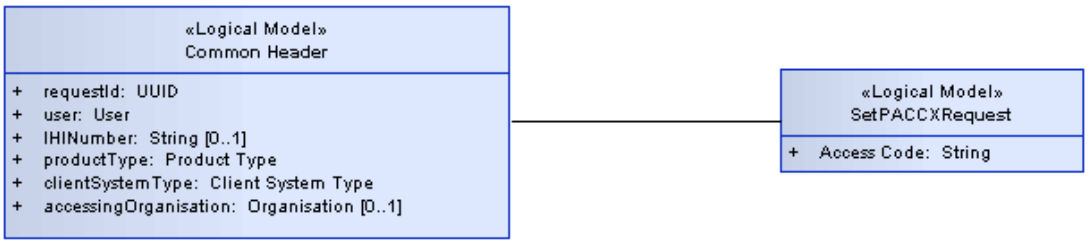



*Figure 51 – SetPACCXRequest*

*Table 48 – SetPACCXRequest*

| SetPACCXRequest | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Access Code | String | PACCX code | 1 |

*Conformance Points*

| | |
|---|---|
| **AMGS-L 227** | When **`Access Code`** is set, it SHALL be at least 8 characters long and maximum 20 characters long. |

### 3.1.14 SetPACCXResponse

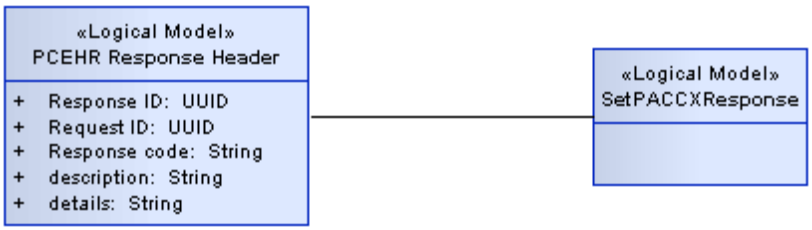



*Figure 52 – SetPACCXResponse*

*Table 49 – SetPACCXResponse*

| SetPACCXResponse | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

## 3.1.15 AppointNominatedRepresentativeRequest

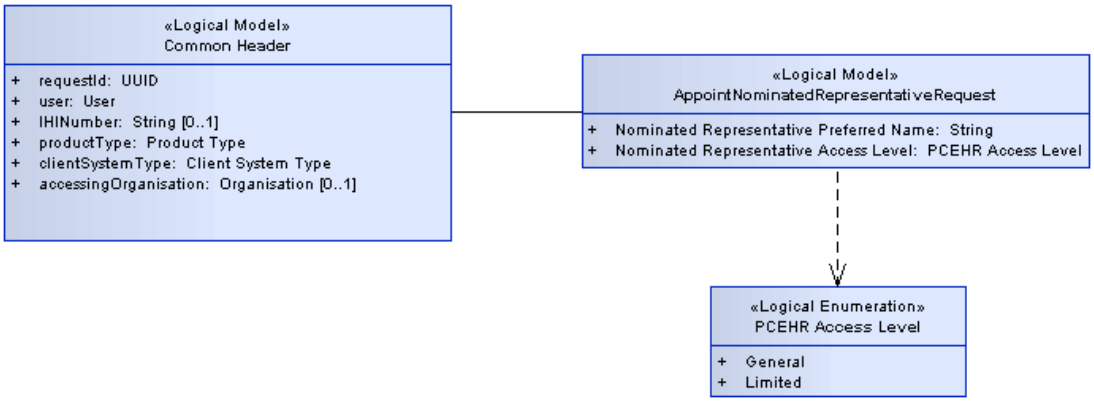



*Figure 53 – AppointNominatedRepresentativeRequest*

*Table 50 – AppointNominatedRepresentativeRequest*

| AppointNominatedRepresentativeRequest | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Nominated Representative Preferred Name | String | Nominated Representative Preferred name | 1 |
| Nominated Representative Access Level | Enumeration | PCEHR Access Level (General or Limited) | 1 |

## 3.1.16 AppointNominatedRepresentativeResponse

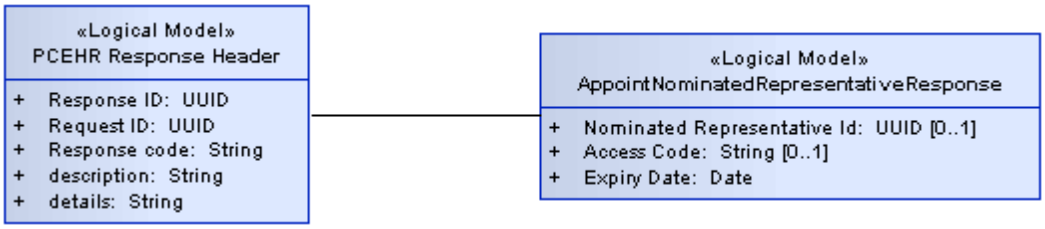



*Figure 54 – AppointNominatedRepresentativeResponse*

*Table 51 – AppointNominatedRepresentativeResponse*

| **AppointNominatedRepresentativeResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| Nominated Representative Id | Unique Identifier | PCEHR Nominated Representative Identifier | 0..1 |
| Access Code | String | Nominated Representative Access Code | 0..1 |
| Expiry Date | Date | Nominated Representative Access Code Expiry Date | 0..1 |

*Conformance Points*

| | |
|---|---|
| **AMGS-L 228** | When **`Nominated Representative Id`** is populated, the Access Code SHALL be set. |

## 3.1.17 AcceptNominatedRepresentativeRequest

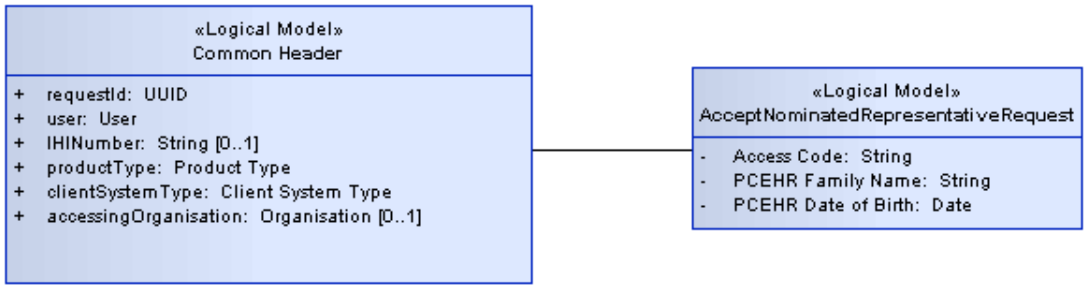



*Figure 55 – AcceptNominatedRepresentativeRequest*

*Table 52 – AcceptNominatedRepresentativeRequest*

| **AcceptNominatedRepresentativeRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Access Code | String | PCEHR Nominated Representative Access Code | 1 |
| PCEHR Family Name | String | The Family Name of the PCEHR record holder | 1 |
| PCEHR Date of Birth | Date | The Date of Birth of the PCEHR record holder | 1 |

### 3.1.18 AcceptNominatedRepresentativeResponse

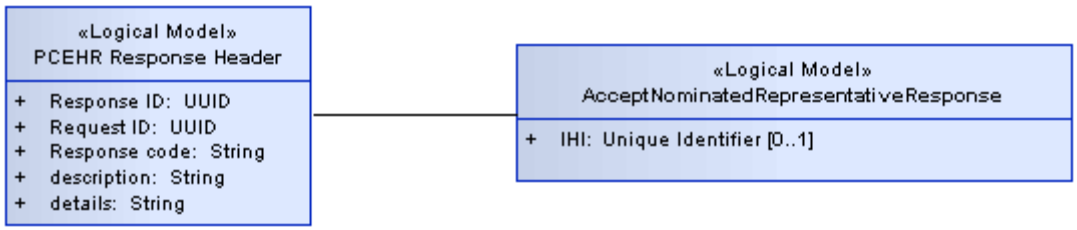



*Figure 56 – AcceptNominatedRepresentativeResponse*

*Table 53 – AcceptNominatedRepresentativeResponse*

| **AcceptNominatedRepresentativeResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| IHI | Unique Identifier | PCEHR's IHI | 0..1 |

### 3.1.19 UpdateNominatedRepresentativeRequest

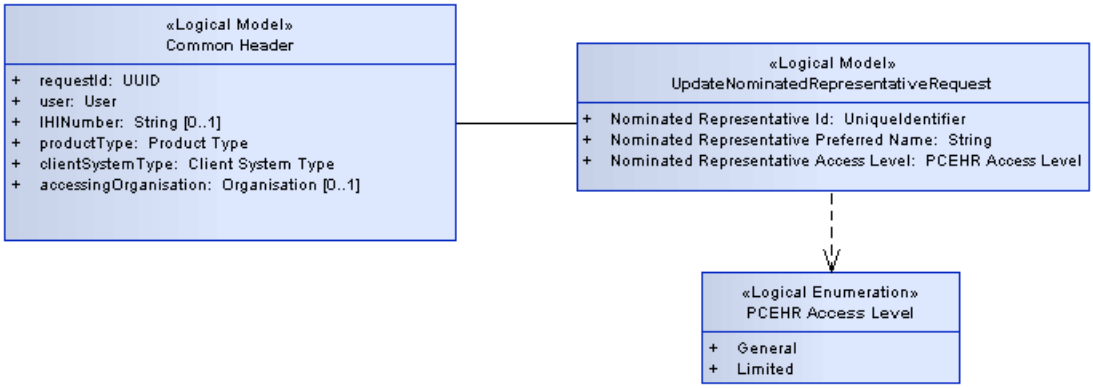



*Figure 57 – UpdateNominatedRepresentativeRequest*

*Table 54 – UpdateNominatedRepresentativeRequest*

| UpdateNominatedRepresentativeRequest | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Nominated Representative Id | Unique Identifier | PCEHR Nominated Representative Identifier | 1 |
| Nominated Representative Preferred Name | String | Nominated Representative Preferred name | 1 |
| Nominated Representative Access Level | Enumeration | PCEHR Access Level (General or Limited Access) | 1 |

## 3.1.20 UpdateNominatedRepresentativeResponse

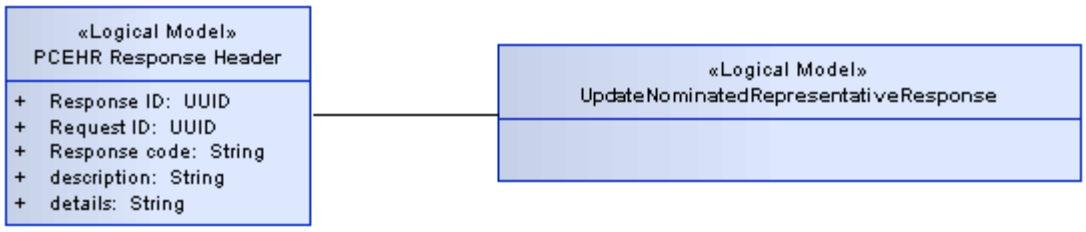



*Figure 58 – UpdateNominatedRepresentativeResponse*

*Table 55 – UpdateNominatedRepresentativeResponse*

| UpdateNominatedRepresentativeResponse | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

## 3.1.21 RemoveNominatedRepresentativeRequest

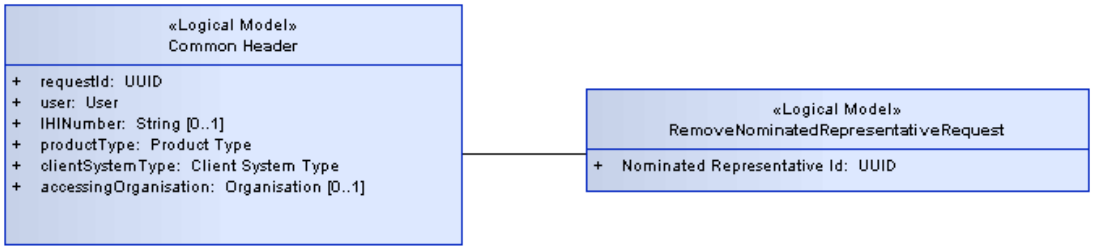



*Figure 59 – RemoveNominatedRepresentativeRequest*

*Table 56 – RemoveNominatedRepresentativeRequest*

| RemoveNominatedRepresentativeRequest | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Nominated Representative Id | Unique Identifier | PCEHR Nominated Representative Identifier | 1 |

## 3.1.22 RemoveNominatedRepresentativeResponse

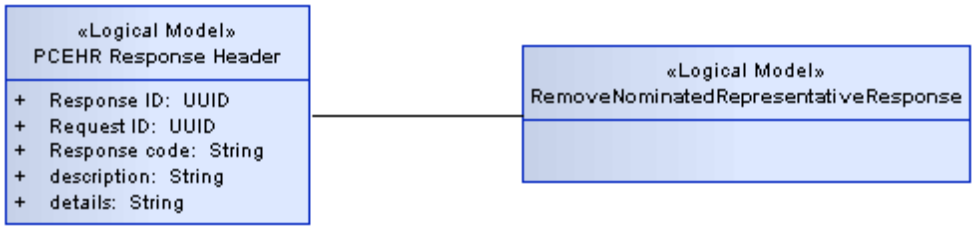



*Figure 60 – RemoveNominatedRepresentativeResponse*

*Table 57 – RemoveNominatedRepresentativeResponse*

| RemoveNominatedRepresentativeResponse | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

## 3.1.23 GetNominatedRepresentativesRequest

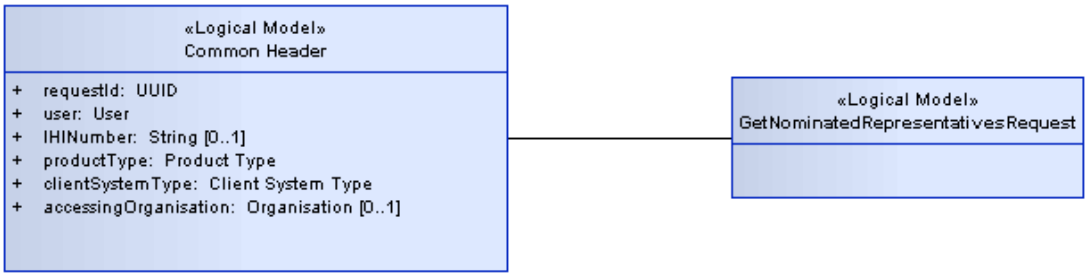



*Figure 61 – GetNominatedRepresentativesRequest*

*Table 58 – GetNominatedRepresentativesRequest*

| GetNominatedRepresentativesRequest | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |

### 3.1.24 GetNominatedRepresentativesResponse

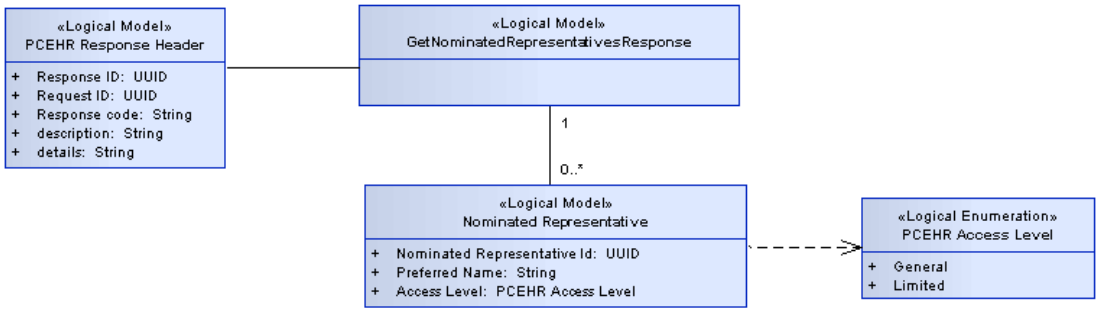



*Figure 62 – GetNominatedRepresentativesResponse*

*Table 59 – GetNominatedRepresentativesResponse*

| **GetNominatedRepresentativesResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| Representatives | Nominated Representative | List of Nominated Representatives | 0..* |

*Conformance Points*

| | |
|---|---|
| **AMGS-L 229** | When no Nominated Representative is found for the PCEHR, the **`Representatives`** SHALL be set to NULL. |

*Table 60 – Nominated Representative*

| **Nominated Representative** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Nominated Representative Id | Unique Identifier | PCEHR Nominated Representative Id | 1 |
| Preferred Name | String | Nominated Representative Preferred Name | 1 |
| Access Level | Enumeration | PCEHR Access Level (general or limited) | 1 |

### 3.1.25 CreateAuthorisedRepresentativeRequest

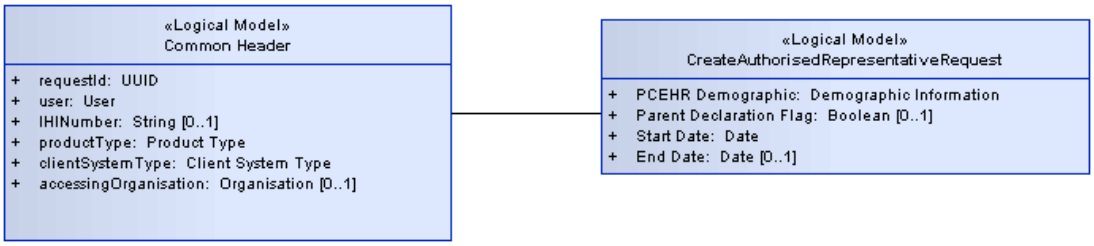



*Figure 63 – CreateAuthorisedRepresentativeRequest*

*Table 61 – CreateAuthorisedRepresentativeRequest*

| **CreateAuthorisedRepresentativeRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| PCEHR Demographic | Demographic Information | PCEHR demographic information | 1 |
| Parent Declaration Flag | Boolean | Parent declaration flag | 0..1 |
| Start Date | Date | Date when the relationship starts | 1 |
| End Date | Date | Date when the relationship should end | 0..1 |

### 3.1.26 CreateAuthorisedRepresentativeResponse

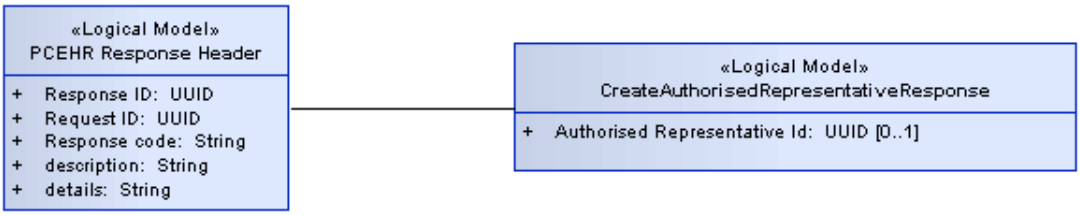



*Figure 64 – CreateAuthorisedRepresentativeResponse*

*Table 62 – CreateAuthorisedRepresentativeResponse*

| **CreateAuthorisedRepresentativeResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| Authorised Representative Id | Unique Identifier | PCEHR Authorised Representative Id | 0..1 |
| IHI | Unique Identifier | Child IHI | 0..1 |

### 3.1.27 RemoveAuthorisedRepresentativeRequest

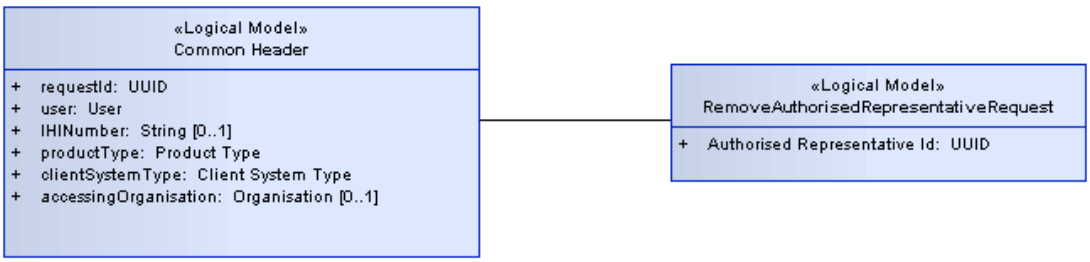



*Figure 65 – RemoveAuthorisedRepresentativeRequest*

*Table 63 – RemoveAuthorisedRepresentativeRequest*

| **RemoveAuthorisedRepresentativeRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Authorised Representative Id | Unique Identifier | PCEHR Authorised Representative Id | 1 |

### 3.1.28 RemoveAuthorisedRepresentativeResponse

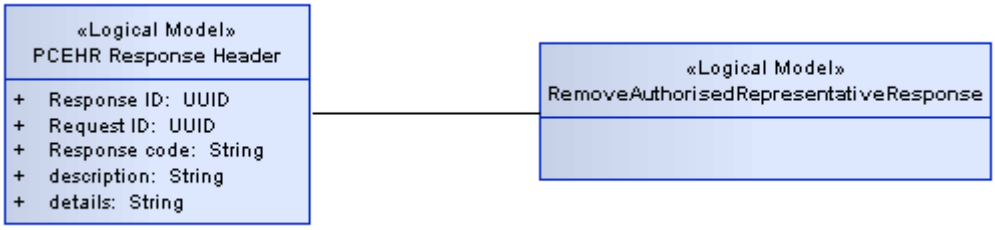



*Figure 66 – RemoveAuthorisedRepresentativeResponse*

*Table 64 – RemoveAuthorisedRepresentativeResponse*

| **RemoveAuthorisedRepresentativeResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

### 3.1.29 GetAuthorisedRepresentativesRequest

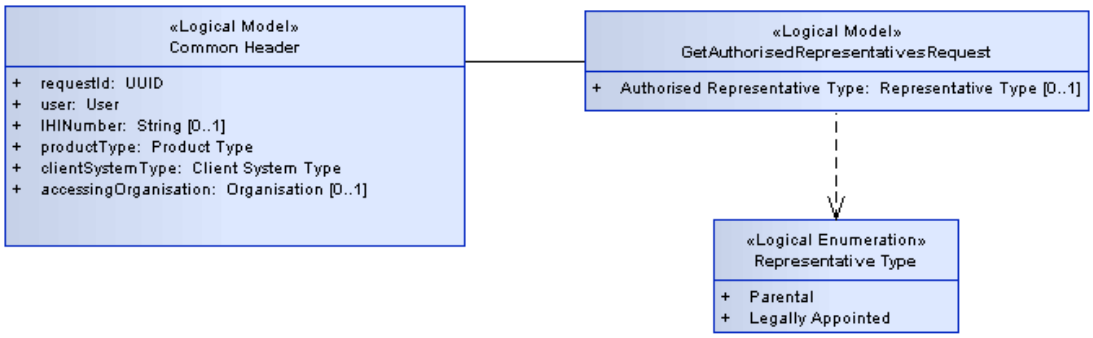



*Figure 67 – GetAuthorisedRepresentativesRequest*

*Table 65 – GetAuthorisedRepresentativesRequest*

| **GetAuthorisedRepresentativesRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Authorised Representative Type | Enumeration | Authorised Representative type, e.g. Parental or Legally Appointed | 0..1 |

### 3.1.30 GetAuthorisedRepresentativesResponse

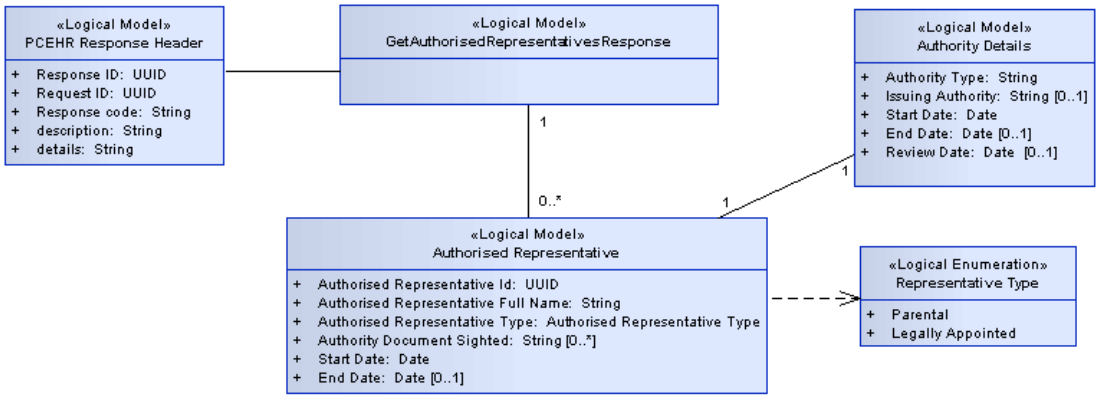



*Figure 68 – GetAuthorisedRepresentativesResponse*

*Table 66 – GetAuthorisedRepresentativesResponse*

| **GetAuthorisedRepresentativesResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| Representatives | Authorised Representative | List of Authorised Representatives | 0..* |

*Table 67 – Authorised Representative*

| **Authorised Representative** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Authorised Representative Id | Unique Identifier | Authorised Representative Identifier | 1 |
| Authorised Representative Full Name | String | Authorised Representative Full Name | 1 |
| Authority Details | Authority Details | Authority details for the Authorised Representative. | 1 |
| Authorised Representative Type | Enumeration | Authorised Representative Type (i.e. Parental or Legally Appointed) | 1 |
| Authority Document Sighted | String | Authority document sighted by the Authorise Registration Agent (i.e. Court Order, Proof of incapacity, etc.) | 0..* |
| Start Date | Date | Date when the authorised representative relationship is started | 1 |
| End Date | Date | Date when the authorised representative relationship is ended | 0..1 |

*Table 68 – Authority Details*

| **Authority Details** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Authority Type | String | Type of Authority that the Authorised Representative holds | 1 |
| Issuing Authority | String | Issuing Authority | 0..1 |
| Start Date | Date | Start Date of the Authority | 1 |
| End Date | Date | Date when the Authority should end | 0..1 |
| Review Date | Date | Date when the Authority needs to be reviewed | 0..1 |

## 3.1.31 CreateNotificationPreferenceRequest

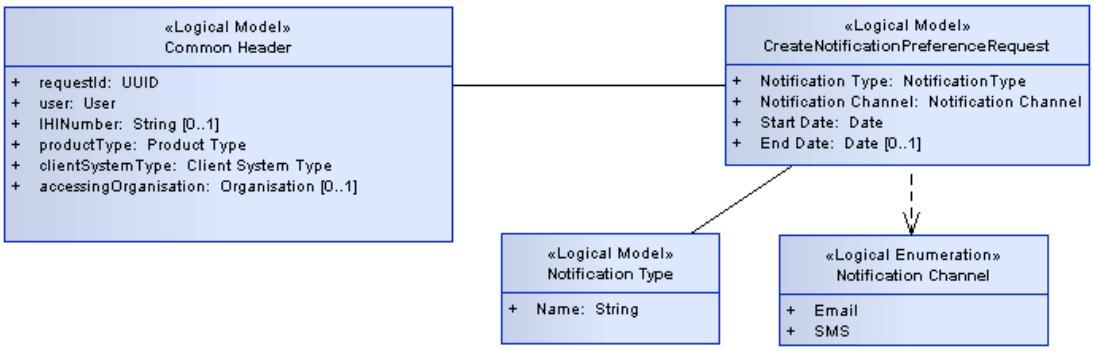



*Figure 69 – CreateNotificationPreferenceRequest*

*Table 69 – CreateNotificationPreferenceRequest*

| CreateNotificationPreferenceRequest | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Notification Type | Enumeration | Notification Type (e.g. First time access, emergency access, etc) | 1 |
| Notification Channel | Enumeration | Notification channel i.e. email or SMS | 1 |
| Start Date | Date | Date when the notification starts | 1 |
| End Date | Date | Date when the notification ends | 0..1 |

## 3.1.32 CreateNotificationPreferenceResponse

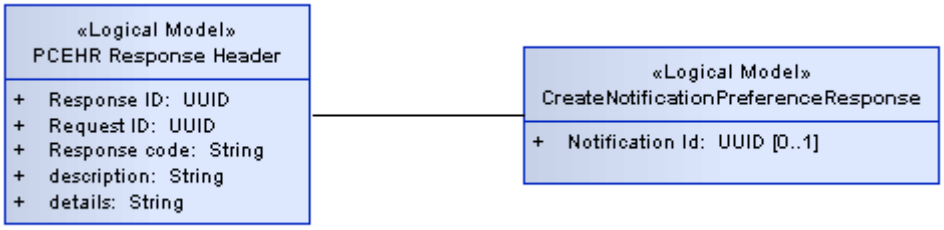



*Figure 70 – CreateNotificationPreferenceResponse*

*Table 70 – CreateNotificationPreferenceResponse*

| CreateNotificationPreferenceResponse | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| Notification Id | Unique Identifier | PCEHR Notification unique identifier | 0..1 |

### 3.1.33 UpdateNotificationPreferenceRequest

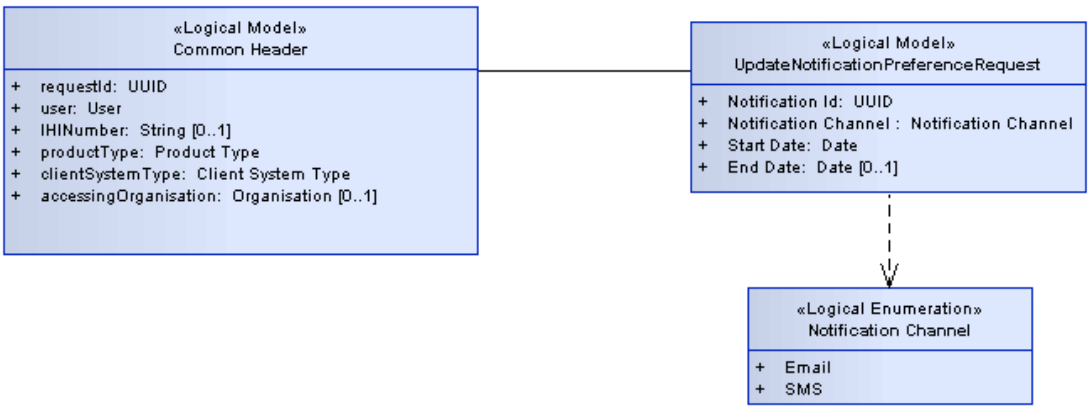



*Figure 71 – UpdateNotificationPreferenceRequest*

*Table 71 – UpdateNotificationPreferenceRequest*

| **UpdateNotificationRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Notification Id | Unique Identifier | PCEHR Notification Id | 1 |
| Notification Channel | Enumeration | Notification channel (Email or SMS) | 1 |
| Start Date | Date | Date when the notification preference starts | 1 |
| End Date | Date | Date when the notification preference ends | 0..1 |

### 3.1.34 UpdateNotificationPreferenceResponse

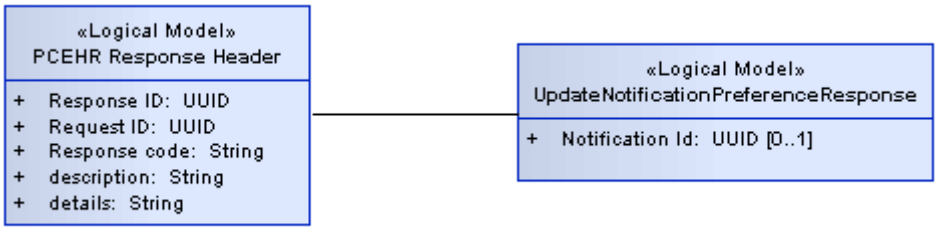



*Figure 72 – UpdateNotificationPreferenceResponse*

*Table 72 – UpdateNotificationPreferenceResponse*

| UpdateNotificationPreferenceResponse | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| Notification Id | Unique Identifier | PCEHR Notification Id | 0..1 |

### 3.1.35 RemoveNotificationPreferenceRequest

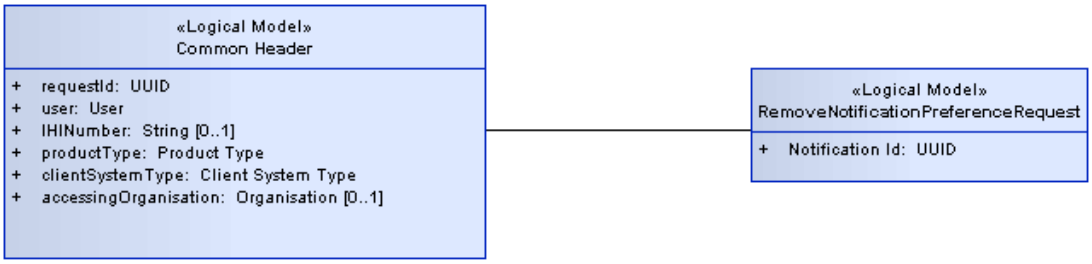



*Figure 73 – RemoveNotificationPreferenceRequest*

*Table 73 – RemoveNotificationPreferenceRequest*

| RemoveNotificationRequest | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Notification Id | Unique Identifier | PCEHR Notification Id | 1 |

### 3.1.36 RemoveNotificationPreferenceResponse

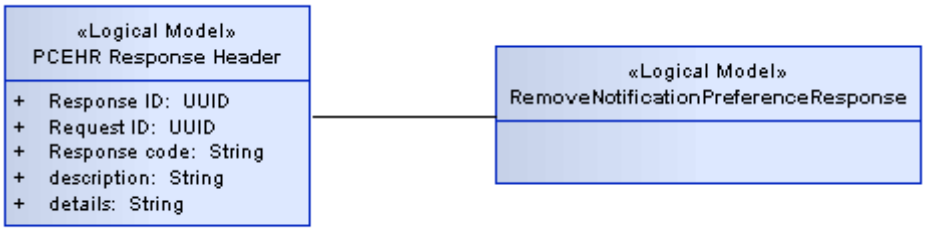



*Figure 74 – RemoveNotificationPreferenceResponse*

*Table 74 – RemoveNotificationPreferenceResponse*

| RemoveNotificationPreferenceResponse | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

## 3.1.37 GetNotificationPreferencesRequest

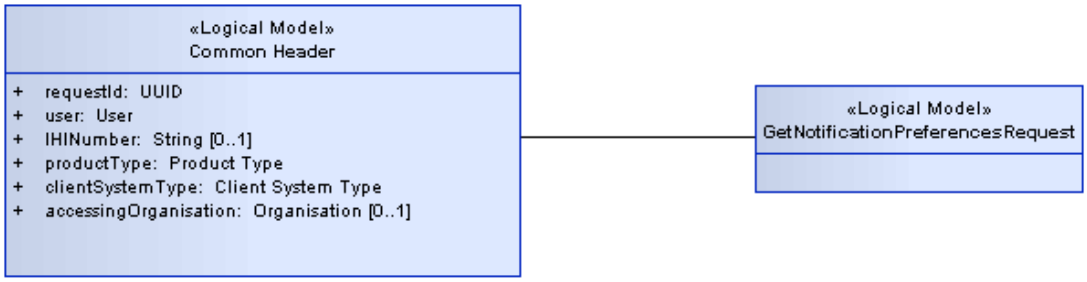



*Figure 75 – GetNotificationPreferencesRequest*

*Table 75 – GetNotificationPreferencesRequest*

| GetNotificationPreferencesRequest | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |

## 3.1.38 GetNotificationPreferencesResponse

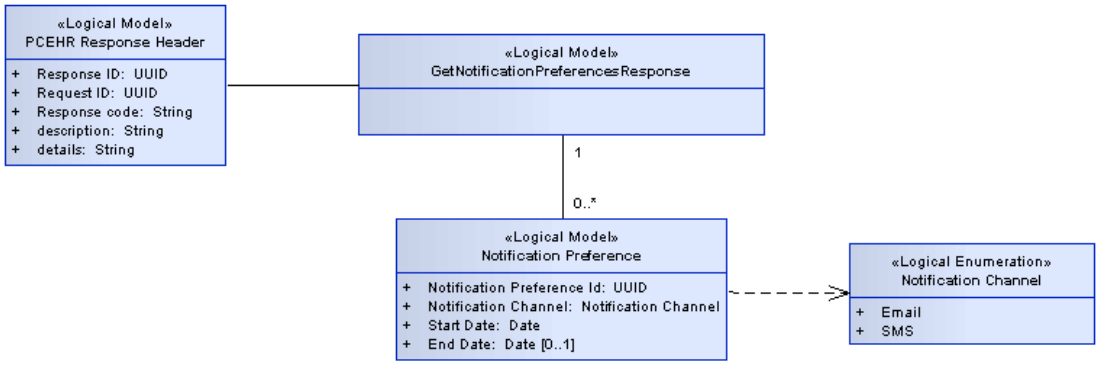



*Figure 76 – GetNotificationPreferencesResponse*

*Table 76 – GetNotificationPreferencesResponse*

| GetNotificationPreferencesResponse | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| Notification Preferences | Notification Preference | List of Notification Preferences associated with the PCEHR | 0..* |

*Table 77 – Notification Preference*

| Notification Preference | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Notification Preference Id | Unique Identifier | PCEHR Notification Preference Id | 1 |
| Notification Channel | Enumeration | Notification Channel (Email or SMS) | 1 |
| Start Date | Date | Notification Preference Start Date | 1 |
| End Date | Date | Notification Preference End Date | 0..1 |

## 3.1.39 SetPCEHRContactDetailsRequest

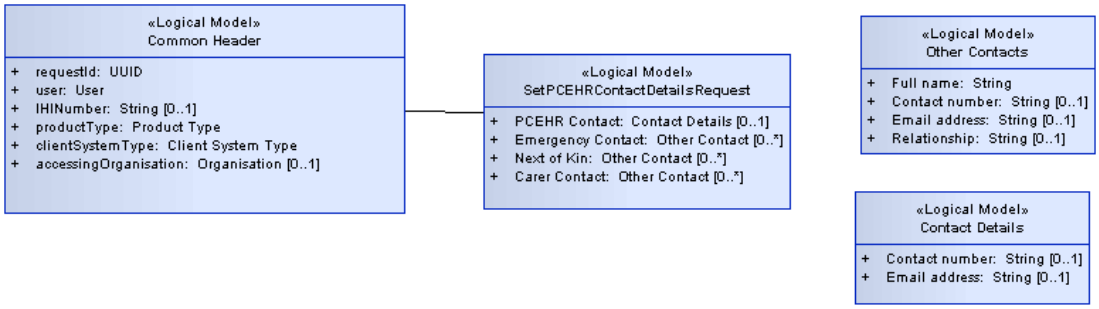



*Figure 77 – SetPCEHRContactDetailsRequest*

*Table 78 – SetPCEHRContactDetails Request*

| SetPCEHRContactDetailsRequest | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| PCEHR Contact | Contact Details | Contact Details e.g. Mobile, email, etc. | 0..1 |
| Emergency Contact | Other Contact | Contact Details e.g. Mobile, email, etc. | 0..* |
| Next Of Kin | Other Contact | Contact Details e.g. Mobile, email, etc. | 0..* |
| Carer Contact | Other Contact | Contact Details e.g. Mobile, email, etc. | 0..* |

*Table 79 – Other Contact*

| **Contact** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Full Name | String | Full Name | 1 |
| Contact Number | String | Mobile number | 0..1 |
| Email | String | Email Address | 0..1 |
| Relationship | String | Other contact relationship with the PCEHR record holder | 0..1 |

*Table 80 – Contact Details*

| **Contact** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Contact Number | String | Mobile number | 0..1 |
| Email | String | Email Address | 0..1 |

## 3.1.40 SetPCEHRContactDetailsResponse

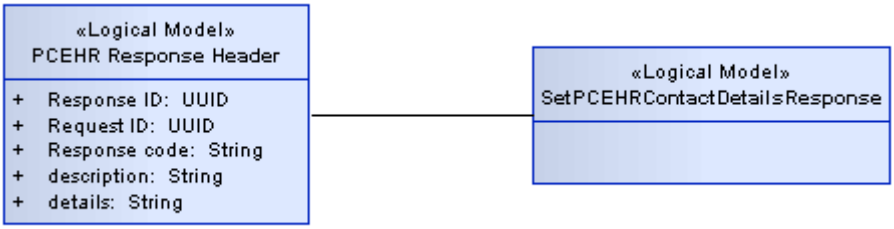



*Figure 78 – SetPCEHRContactDetailsResponse*

*Table 81 – SetPCEHRContactDetailsResponse*

| **SetPCEHRContactDetailsResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

### 3.1.41 GetMedicareDataPreferencesRequest

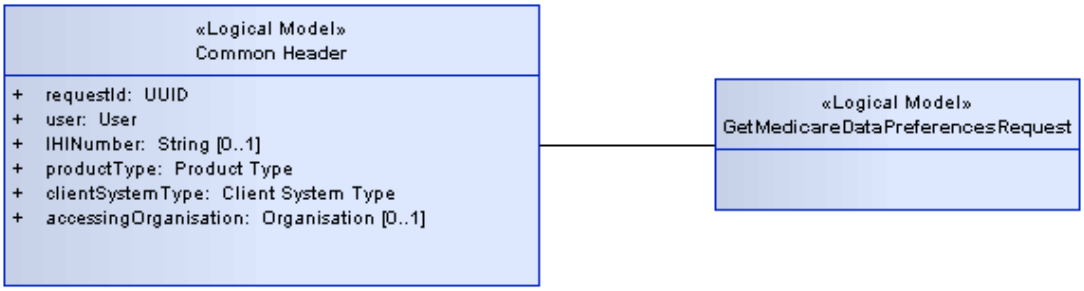



*Figure 79 – GetMedicareDataPreferencesRequest*

*Table 82 – GetMedicareDataPreferencesRequest*

| **GetMedicareDataPreferencesRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |

### 3.1.42 GetMedicareDataPreferencesResponse


*Figure 80 – GetMedicareDataPreferencesResponse*

*Table 83 – GetMedicareDataPreferencesResponse*

| **GetMedicareDataPreferencesResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| PBS | Boolean | If TRUE, PBS information will be indexed from Medicare Australia | 1 |
| MBS | Boolean | If TRUE, MBS information will be indexed from Medicare Australia | 1 |
| ACIR | Boolean | If TRUE, ACIR information will be indexed from Medicare Australia | 1 |
| AODR | Boolean | If TRUE, AODR information will be indexed from Medicare Australia | 1 |

### 3.1.43 SetMedicareDataPreferencesRequest

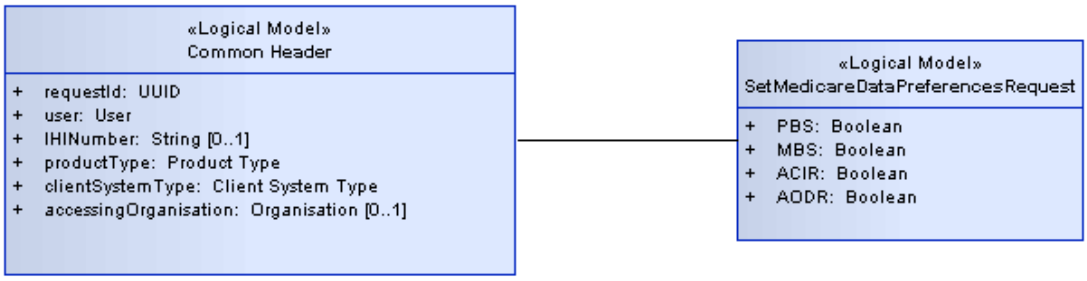



*Figure 81 – SetMedicareDataPreferencesRequest*

*Table 84 – SetMedicareDataPreferencesRequest*

| **SetMedicareDataPreferencesRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| PBS | Boolean | If TRUE, PBS information will be indexed from Medicare Australia | 1 |
| MBS | Boolean | If TRUE, MBS information will be indexed from Medicare Australia | 1 |
| ACIR | Boolean | If TRUE, ACIR information will be indexed from Medicare Australia | 1 |
| AODR | Boolean | If TRUE, AODR information will be indexed from Medicare Australia | 1 |

### 3.1.44 SetMedicareDataPreferencesResponse

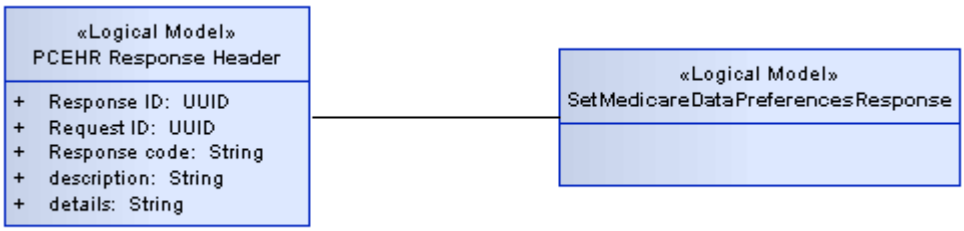



*Figure 82 – SetMedicareDataPreferencesResponse*

*Table 85 – SetMedicareDataPreferencesResponse*

| **SetMedicareDataPreferencesResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

### 3.1.45 GetProviderAccessListRequest

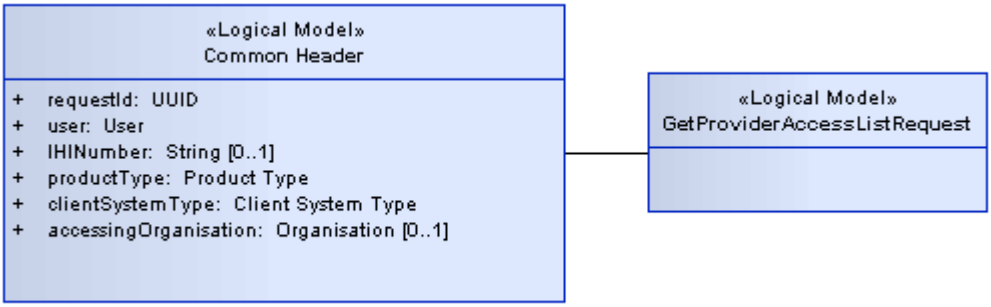



*Figure 83 – GetProviderAccessListRequest*

*Table 86 – GetProviderAccessListRequest*

| **GetProviderAccessListRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |

### 3.1.46 GetProviderAccessListResponse

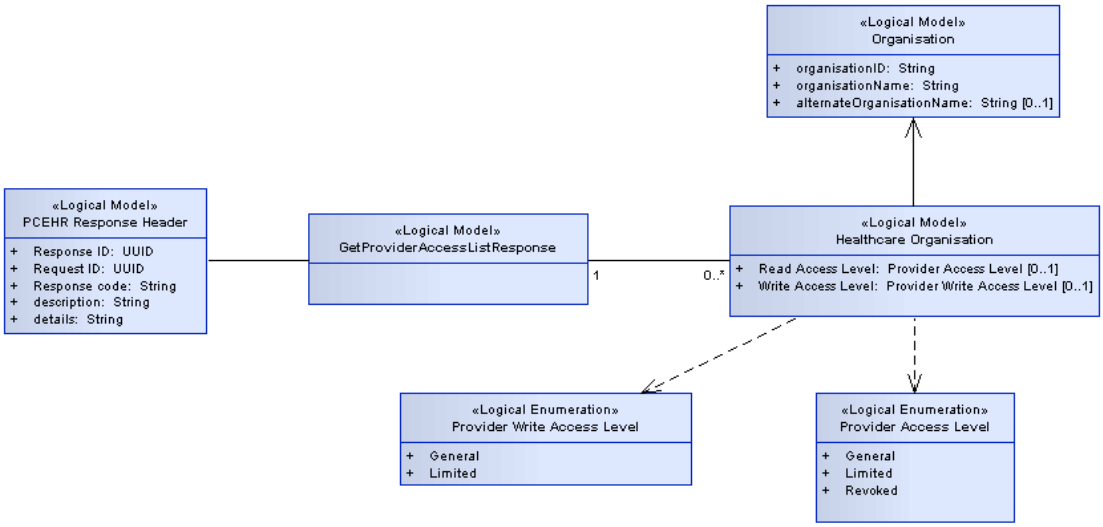



*Figure 84 – GetProviderAccessListResponse*

*Table 87 – GetProviderAccessListResponse*

| **GetProviderAccessListResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| Healthcare Organisations | Healthcare Organisations | List of Participating Healthcare Provider Organisations that are associated with the PCEHR | 0..* |

*Table 88 – Healthcare Organisation*

| **Healthcare Organisation** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Organisation Information | Organisation | Healthcare Provider Organisation Name, alternate name and HPI-O | 1 |
| Read Access Level | Enumeration | Provider read access level (i.e. general, limited or revoked) | 0..1 |
| Write Access Level | Enumeration | Provider write access level (i.e. general, limited) | 0..1 |

### 3.1.47 SetProviderAccessRequest

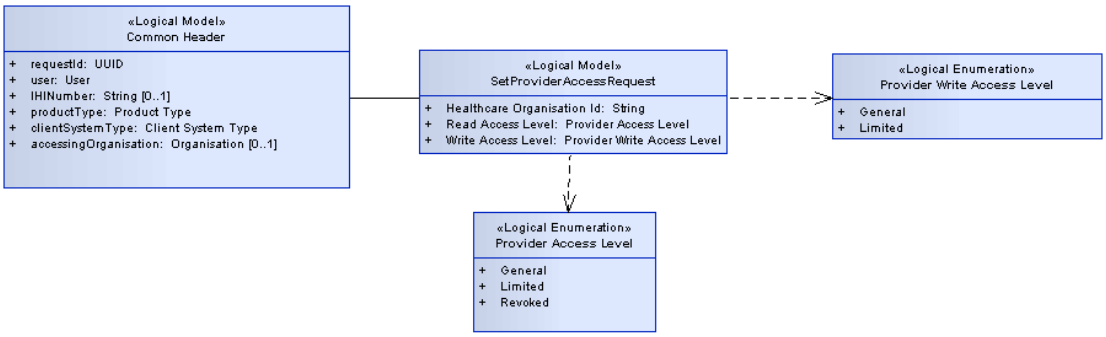



*Figure 85 – SetProviderAccessRequest*

*Table 89 – SetProviderAccessRequest*

| **SetProviderAccessRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Healthcare Organisation Id | String | Healthcare Provider Organisation Id i.e. HPIO | 1 |
| Read Access Level | Enumeration | General or Limited or Revoked Access | 1 |
| Write Access Level | Enumeration | General or Limited | 1 |

### 3.1.48 SetProviderAccessResponse

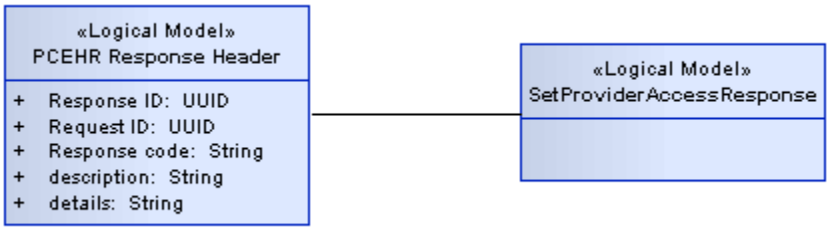



*Figure 86 – SetProviderAccessResponse*

*Table 90 – SetProviderAccessResponse*

| **SetProviderAccessResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

### 3.1.49 RemoveProviderFromAccessListRequest

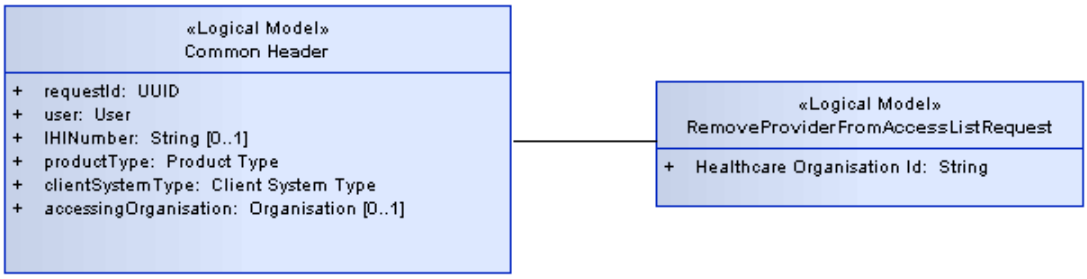



*Figure 87 –RemoveProviderFromAccessListRequest*

*Table 91 – RemoveProviderFromAccessListRequest*

| **RemoveProviderFromAccessListRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Healthcare Organisation Id | String | Healthcare Provider Organisation Id i.e. HPI-O | 1 |

### 3.1.50 RemoveProviderFromAccessListResponse

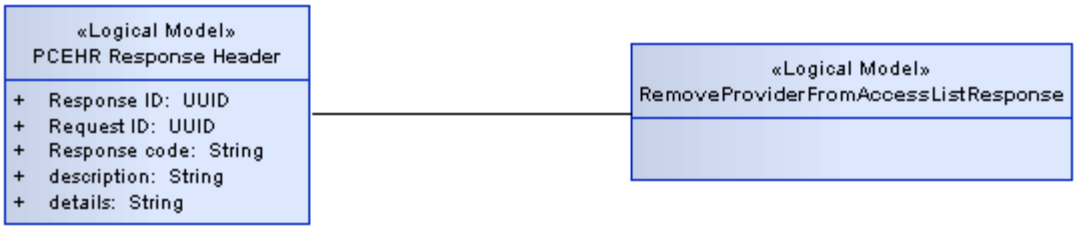



*Figure 88 – RemoveProviderFromAccessListResponse*

*Table 92 – RemoveProviderFromAccessListResponse*

| **RemoveProviderFromAccessListResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

### 3.1.51 CreatePastInformationPreferencesRequest

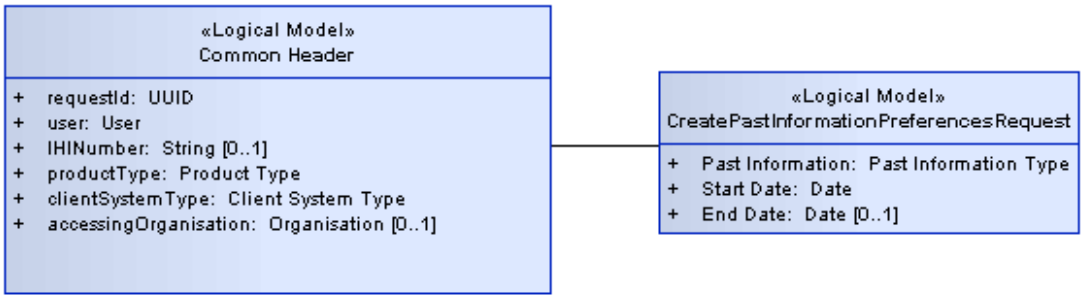



*Figure 89 – CreatePastInformationPreferencesRequest*

*Table 93 – CreatePastInformationPreferencesRequest*

| **CreatePastInformationPreferencesRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Past Information Type | Enumeration | Past Information type i.e. PBS, MBS etc. | 1 |
| Start Date | Date | Date when the assimilation starts | 1 |
| End Date | Date | Date when the assimilation ends | 0..1 |

### 3.1.52 CreatePastInformationPreferencesResponse

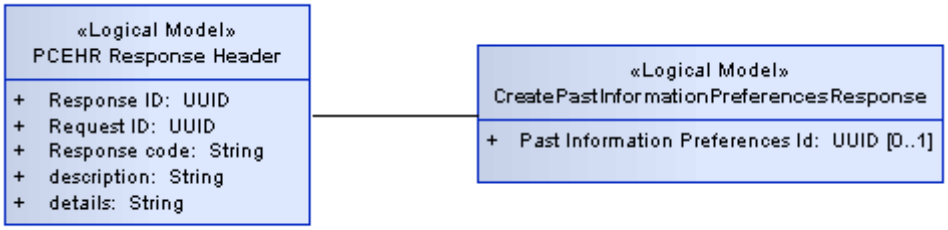



*Figure 90 – CreatePastInformationPreferencesResponse*

*Table 94 – CreatePastInformationPreferencesResponse*

| **CreatePastInformationPreferencesResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| Past Information Preferences Id | Unique Identifier | PCEHR Past Information Preferences unique identifier | 0..1 |

### 3.1.53 UpdatePastInformationPreferencesRequest

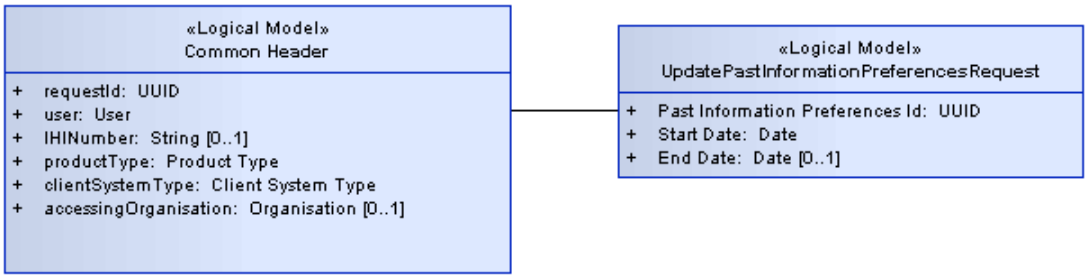



*Figure 91 – UpdatePastInformationPreferencesRequest*

*Table 95 – UpdatePastInformationPreferencesRequest*

| **UpdatePastInformationPreferencesRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Past Information Preferences Id | Unique Identifier | PCEHR Past Information Preferences Id | 1 |
| Start Date | Date | Date when the relationship starts | 1 |
| End Date | Date | Date when the relationship ends | 0..1 |

### 3.1.54 UpdatePastInformationPreferencesResponse

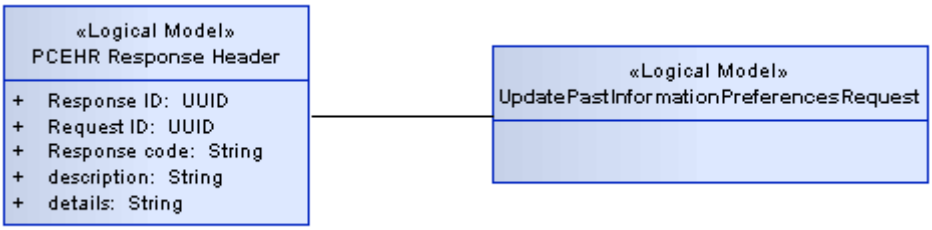



*Figure 92 – UpdatePastInformationPreferencesResponse*

*Table 96 – UpdatePastInformationPreferencesResponse*

| **UpdatePastInformationPreferencesResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

### 3.1.55 RemovePastInformationPreferencesRequest

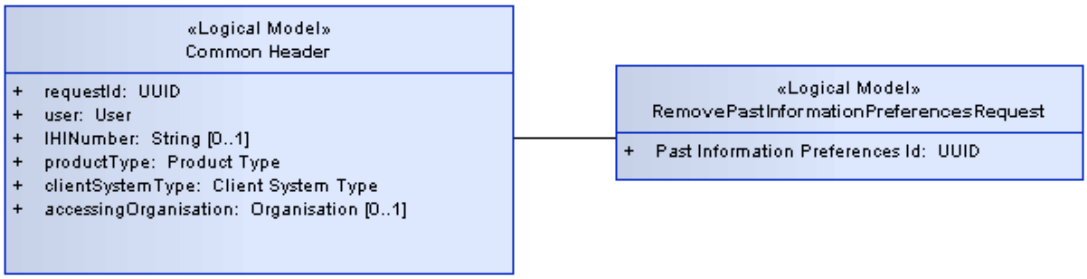



*Figure 93 – RemovePastInformationPreferencesRequest*

*Table 97 – RemovePastInformationPreferencesRequest*

| **RemovePastInformationPreferencesRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Past Information Preferences Id | Unique Identifier | PCEHR Past Information Preferences Id | 1 |

### 3.1.56 RemovePastInformationPreferencesResponse

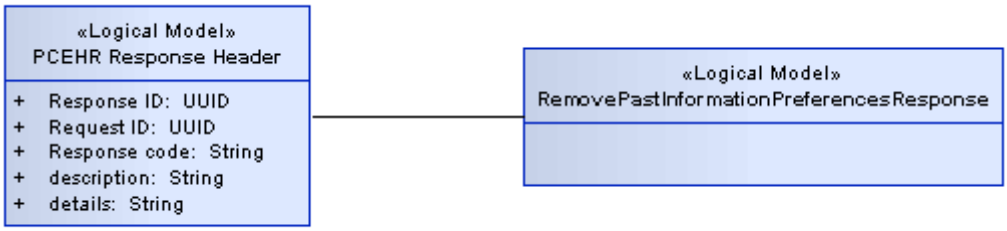



*Figure 94 – RemovePastInformationPreferencesResponse*

*Table 98 – RemovePastInformationPreferencesResponse*

| **RemovePastInformationPreferencesResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

### 3.1.57 GetPastInformationPreferencesRequest

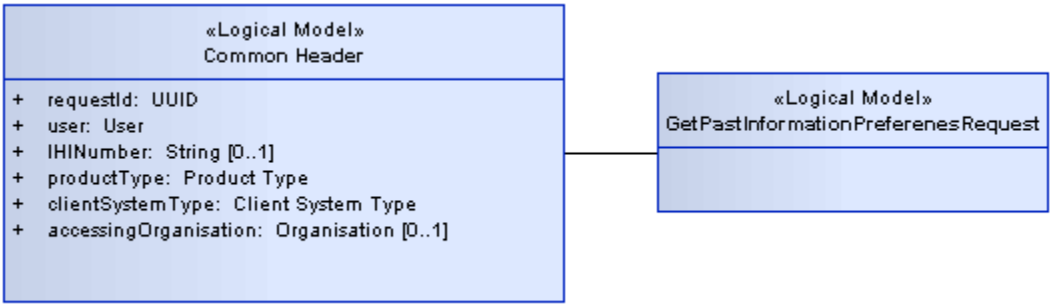



*Figure 95 – GetPastInformationPreferencesRequest*

*Table 99 – GetPastInformationPreferencesRequest*

| **GetPastInformationPreferencesRequest** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |

### 3.1.58 GetPastInformationPreferencesResponse

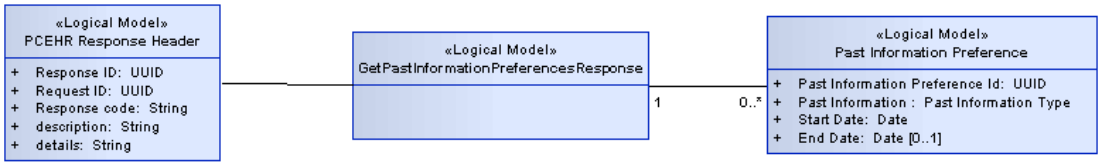



*Figure 96 – GetPastInformationPreferencesResponse*

*Table 100 – GetPastInformationPreferencesResponse*

| **GetPastInformationPreferencesResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| Past Information | Past Information Preference | List of Past Information Preferences | 0..* |

*Table 101 – Past Information Preference*

| Past Information Preference | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Past Information Preference Id | UUID | Past Information Preference Identifier | 1 |
| Past Information Type | Enumeration | Past Information type i.e. MBS, PBS | 1 |
| Start Date | Date | Date when the assimilation starts | 1 |
| End Date | Date | Date when the assimilation ends | 0..1 |

## 3.1.59 GetTermsAndConditionsRequest

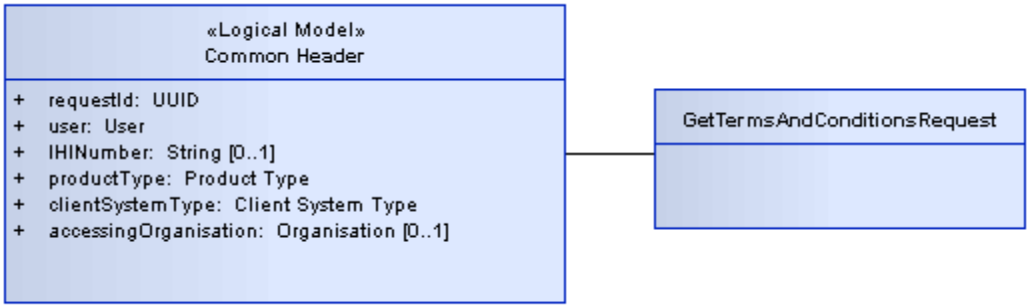



*Figure 97 – GetTermsAndConditionsRequest*

*Table 102 – GetTermsAndConditionsRequest*

| GetTermsAndConditionsRequest | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |

## 3.1.60 GetTermsAndConditionsResponse

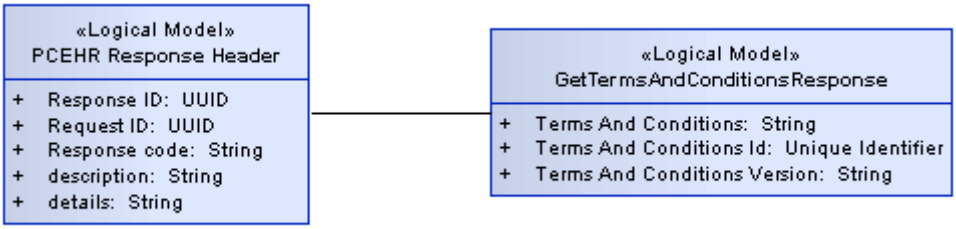



*Figure 98 – GetTermsAndConditionsResponse*

*Table 103 – GetTermsAndConditionsResponse*

| GetTermsAndConditionsResponse | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |
| Terms And Conditions | String | PCEHR Terms and Conditions | 1 |
| Terms And Conditions Id | Unique identifier | PCEHR Terms and Conditions unique identifier | 1 |
| Terms And Conditions Version | String | PCEHR Terms and Conditions version | 1 |

## 3.1.61 AcceptTermsAndConditionsRequest

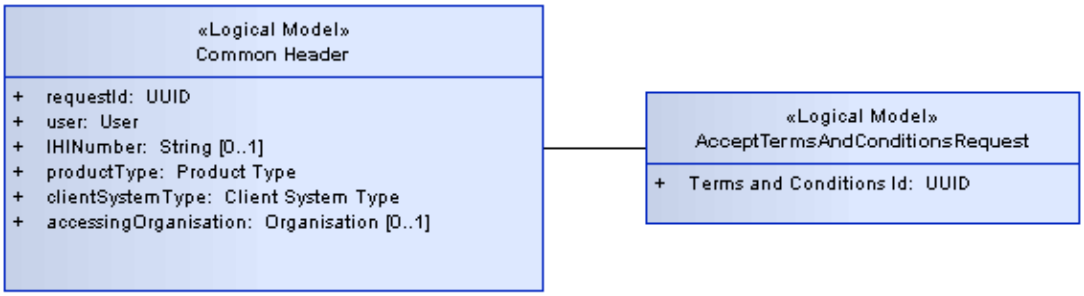



*Figure 99 – AcceptTermsAndConditionsRequest*

*Table 104 – AcceptTermsAndConditionsRequest*

| AcceptTermsAndConditionsRequest | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Terms and Conditions Id | Unique Identifier | PCEHR Terms and Conditions unique identifier | 1 |

## 3.1.62 AcceptTermsAndConditionsResponse

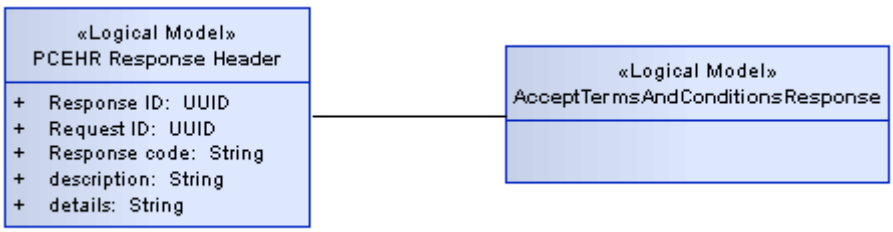



*Figure 100 – AcceptTermsAndConditionsResponse*

*Table 105 – AcceptTermsAndConditionsResponse*

| AcceptTermsAndConditionsResponse | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

## 3.1.63 TakeControlPCEHRRequest

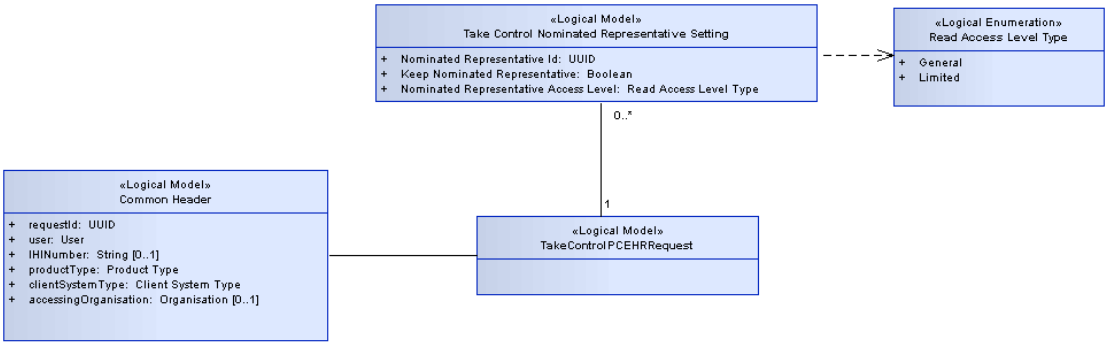



*Figure 101 – TakeControlPCEHRRequest*

*Table 106 – TakeControlPCEHRRequest*

| TakeControlPCEHRRequest | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| PCEHR Common Header | Common Header | PCEHR Common Header | 1 |
| Nominated Representative Settings | Take Control Nominated Representative Setting | Take control nominated representative settings, i.e. to remove | 0..* |

*Table 107 – Take Control Nominated Representative Setting*

| Take Control Nominated Representative Setting | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Nominated Representative Id | Unique Identifier | PCEHR Nominated Representative Id | 1 |
| Keep | Boolean | True to keep the nominated representative or False to remove it | 1 |
| Nominated Representative Access Level | Enumeration | Nominated Representative access level (General or Limited) | 1 |

### 3.1.64 TakeControlPCEHRResponse


*Figure 102 – TakeControlPCEHRResponse*

*Table 108 – TakeControlPCEHRResponse*

| **TakeControlPCEHRResponse** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Response Header | PCEHR Response Header | Common response header | 1 |

### 3.1.65 GenericServiceResponse

The GenericServiceResponse is the default response returned by most operations.

*Table 109 - GenericServiceResponse*

| **GenericServiceResponse** | | | |
|---|---|---|---|
| Field | Data Type | Description | Cardinality |
| Common Response Header | CommonServiceResponseHeader | An instance of the PCEHR common service header. | 1 |

### 3.1.66 GenericServiceFault

*Table 110 - GenericServiceFault*

| **GenericServiceFault** | | | |
|---|---|---|---|
| Field | Data Type | Description | Cardinality |
| Common Response Header | CommonServiceResponseHeader | An instance of the PCEHR Common Service Header. | 1 |

## 3.2 Common Header

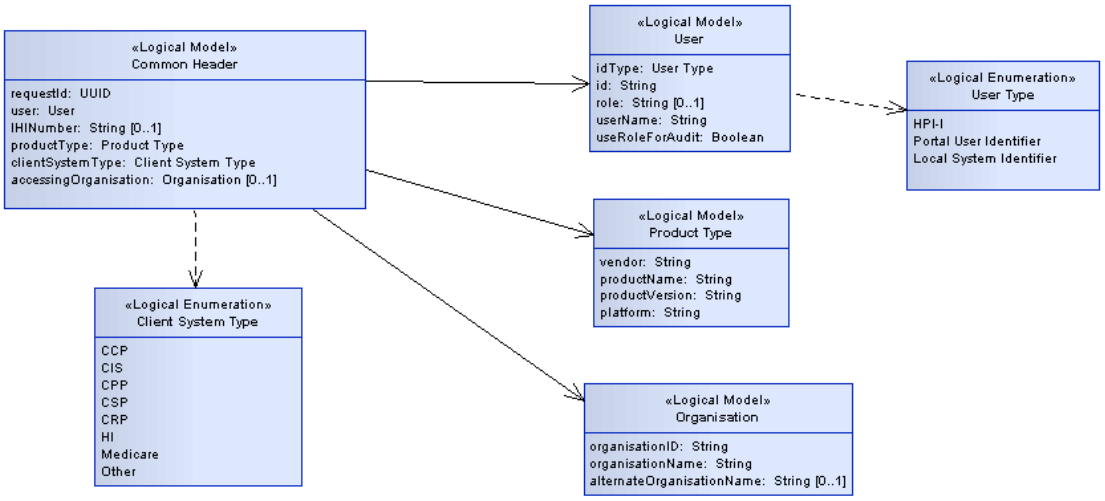



*Figure 103 – Common Header*

*Table 111 – Common Header*

| **Common Header** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Request Id | UUID | Unique identification of the request | 1 |
| User | User | Identification details of the user originating the request | 1 |
| IHI Number | String | Individual IHI number | 0..1 |
| Product Type | Product Type | Identification of the system originating the request | 1 |
| Client System Type | Enumeration | The type of client system.<br>• Conformant Consumer Portal (CCP)<br>• Clinical Information System (CIS)<br>• Conformant Provider Portal (CPP)<br>• Contracted Service Provider System (CSP)<br>• Conformant Repository Provider System (CRP)<br>• HI Service (HI)<br>• Medicare<br>• Other | 1 |
| Accessing Organisation | Organisation | The healthcare organisation on behalf of which the request is being made | 0..1 |

*Conformance Points*

| | |
|---|---|
| **AMGS-L 230** | The **`Request Id`** SHALL be a different value for every request made. It SHALL be created in a way which ensures that the value is unique across all service requests from any system. |

**AMGS-L 231** The **IHI Number** SHALL be supplied for all requests except setIdentityContactDetails, getTermsAndConditions, acceptTermsAndConditions, acceptNominatedRepresentative and createAuthorisedRepresentative.

**AMGS-L 232** If the **IHI Number** is supplied, it SHALL contain a string representation using only numeric digits of a valid Individual Healthcare Identifier issued by the HI Service.

### 3.2.1 User

The User entity encompasses the identity information relating to the end user of the system originating a request.

*Table 112 - User*

| **User** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Id Type | Enumeration | The type of user ID supplied.<br>• HPI-I<br>• Portal User Identifier<br>• Local System Identifier | 1 |
| Id | String | User identifier | 1 |
| Role | String | Optional field for to enter the role of the user for use in audit logging if User Name is not appropriate | 0..1 |
| User Name | String | The name of the user | 1 |
| Use role for audit | Boolean | If true indicates that the role is to be used for audit display purposes rather than the User name | 1 |

*Conformance Points*

**AMGS-L 233** The **Id** SHALL NOT contain leading or trailing spaces. It SHALL NOT be a null or zero length string.

**AMGS-L 234** If the **Id Type** value of **HPI-I** is supplied, the **Id** SHALL contain a string representation using only numeric digits of a valid Healthcare Provider Identifier - Individual issued by the HI Service.

**AMGS-L 235** If the **Id Type** value of **Portal User Identifier** is supplied, the **Id** SHALL contain an unique identifier issued by the portal identity provider which relates a conformant portal user to a PCEHR identity.

**AMGS-L 236** If the **Id Type** value of **Local System Identifier** is supplied, the **Id** SHALL contain a representation of the access credential used to access the system originating the request.

**AMGS-L 237** If the **Id Type** value of **Local System Identifier** is supplied, the **Id** SHALL NOT contain leading or trailing spaces. It SHALL NOT be a null or zero length string.

**AMGS-L 238** If the **Use role for audit** flag is set to True, the **Role** SHALL be a supplied.

**AMGS-L 239** If the **Role** is supplied, it SHALL NOT contain leading or trailing spaces. It SHALL NOT be a null or zero length string.

| | |
|---|---|
| **AMGS-L 240** | The **`User Name`** SHALL NOT contain leading or trailing spaces. It SHALL NOT be a null or zero length string. |

### 3.2.2 Product Type

The Product type entity encompasses the information identifying the system originating the request.

*Table 113 – Product Type*

| **Product Type** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Vendor | String | The name of the vendor that produced the system | 1 |
| Product Name | String | A name used to identify the system | 1 |
| Product Version | String | System version number | 1 |
| Platform | String | The system platform being used | 1 |

*Conformance Points*

| | |
|---|---|
| **AMGS-L 241** | The **`Vendor`** SHALL NOT contain leading or trailing spaces. It SHALL NOT be a null or zero length string. |
| **AMGS-L 242** | The **`Product Name`** SHALL NOT contain leading or trailing spaces. It SHALL NOT be a null or zero length string. |
| **AMGS-L 243** | The **`Product Version`** SHALL NOT contain leading or trailing spaces. It SHALL NOT be a null or zero length string. |
| **AMGS-L 244** | The **`Platform`** SHALL NOT contain leading or trailing spaces. It SHALL NOT be a null or zero length string. |

### 3.2.3 Organisation

The Organisation entity encompasses the organisation identity information.

*Table 114 - Organisation*

| **Organisation** | | | |
|---|---|---|---|
| **Field** | **Data Type** | **Description** | **Cardinality** |
| Organisation ID | String | An HPI-O identifier for the Healthcare organisation | 1 |
| Organisation Name | String | The name of the Healthcare organisation | 1 |
| Alternate Organisation Name | String | An alternative display name for the Healthcare organisation | 0..1 |

*Conformance Points*

| | |
|---|---|
| **AMGS-L 245** | The **`Organisation ID`** SHALL contain a string representation using only numeric digits of a valid Healthcare Provider Identifier - Organisation issued by the HI Service. |
| **AMGS-L 246** | The **`Organisation Name`** SHALL NOT contain leading or trailing spaces. It SHALL NOT be a null or zero length string. |
| **AMGS-L 247** | The **`Organisation Name`** SHALL correspond to the name of the organisation asserted by the Healthcare Provider Identifier – Organisation contained in the **`Organisation ID`** field. |
| **AMGS-L 248** | If the **`Alternate Organisation Name`** is supplied it SHALL NOT contain leading or trailing spaces. It SHALL NOT be a null or zero length string. |

### 3.2.4 Client System Type

An enumeration of Client System Types which are supported by the PCEHR System, and are therefore allowable values for the common header when interacting with the PCEHR.

*Table 115 – Client System Type*

| Field | Description |
|---|---|
| Conformant Consumer Portal | Conformant Consumer Portal |
| Clinical Information System | A Clinical Information System such as a PAS, RIS, PMS, ED System, etc. |
| Conformant Provider Portal | Conformant Provider Portal |
| Contracted Service Provider | Contracted Service Provider |
| Conformant Repository | A Conformant Repository |
| HI Service | The national Healthcare Identifiers Service |
| Medicare | DHS Medicare systems |
| Other | Any other system type |

### 3.2.5 User Type

An enumeration of Source system user identifiers which are supported by the PCEHR System, and are therefore allowable values for the common header when interacting with the PCEHR System.

*Table 116 – User Type*

| Field | Description |
|---|---|
| HPI-I | A Healthcare Provider Individual identifier issued by the HI Service |
| Portal User Identifier | An identity which is managed and verified by the PCEHR System and identifies a user of a conformant portal |
| Local System Identifier | A local user id not managed by the PCEHR System |

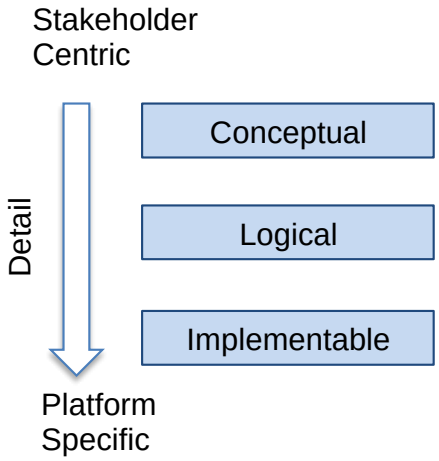
# Appendix A eHealth Interoperability Framework

This document has been produced in accordance with the eHealth Interoperability Framework [EIF]. The eHealth Interoperability Framework is based on a combination of the Australian Government Architecture (AGA)[1], RM-ODP and HL7's Service Aware Interoperability Framework (SAIF)[2,3].

The eHealth Interoperability Framework is used across NEHTA products to help deliver consistent and cohesive eHealth specifications. It provides a common specification language for teams involved in working in eHealth, supports the identification of secure and interoperable services and assists in analysing eHealth solutions to ensure that they will deliver the intended outcome.

## A.1 Three Layers of Abstraction

The framework has three layers of abstraction. The top layer focuses on defining the system in a stakeholder centric fashion at the conceptual level. The detail and refinement of the system definition is covered at the logical level and the implementable level maps the logical specification onto a number of technology-specific implementable specifications.




Separating the conceptual from the logical and the logical from the implementable allows service or other system components to be defined independently of technology choices. It also ensures that different stakeholder groups can play to their strengths at the different layers of abstraction.

In particular, the conceptual level is aimed at consumers, healthcare providers and government stakeholders. The logical level is aimed at more technical stakeholders, including health informaticians, implementers and the ICT industry. The implementable level is aimed at developers and testers.

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[1] http://www.finance.gov.au/e-government/strategy-and-governance/aga-rm/AGA-RM.html

[2] http://gforge.hl7.org/gf/project/saeaf/docman/?subdir=320

[3] The EIF differs from other popular frameworks such as TOGAF. TOGAF is a process-oriented framework for creating and managing architectural artefacts. EIF is a specification framework used to describe system architectures. EIF, and the SAIF framework it is based on, are strongly influenced by ISO 10746, which is an international standard reference model for open distributed processing (RM ODP). The viewpoints and levels of abstraction in the EIF are more similar to the categories that underpin the Zachman framework. However, RM-ODP also provides a specification language that is compatible with UML.

## A.2 Five Viewpoints

The framework has five "viewpoints":

- The *enterprise viewpoint*, which focuses on the purpose, scope, policies and business requirements for the system.
- The *information viewpoint*, which focuses on the semantics of the information and the information processing performed. It describes the information managed by the system and the structure and content type of the supporting data.
- The *computational viewpoint*, which describes the functionality provided by the system and its functional decomposition into objects and interfaces.
- The *engineering viewpoint*, which focuses on describing how the different elements described in the information and computational viewpoints will be deployed or distributed and how the system will meet the operational requirements.
- The *technology viewpoint*, which focuses on the choice of technology of the system and includes both the software and hardware platforms.

This document focuses on the information and computational viewpoints and each viewpoint is covered in a separate section.

In addition to the viewpoints, the framework also prescribes three abstraction layers, namely the Conceptual Layer, the Logical Layer and the Implementable Layer.

The interaction between the viewpoints and the layers of abstraction can be represented as a matrix of views, as shown below. This document covers the cells shown.

*Table 117 –Matrix of views*

| | **Enterprise** | **Information** | **Computational** | **Engineering** | **Technology** |
|---|---|---|---|---|---|
| **Conceptual** | | | | | |
| **Logical** | | **This Document** | **This Document** | | |
| **Implementable** | | | | | |

# Appendix B Acronyms and Terminology

The core set of terms used within the PCEHR are specified in the PCEHR System - Glossary [PCEHR-SYSTEM-GLOSSARY].

## B.1 Acronyms

| Acronym | Explanation |
|---|---|
| CIS | Clinical Information System |
| CSP | Contracted Service Provider |
| HPI-I | Healthcare Provider Identifier Individual |
| HPI-O | Healthcare Provider Identifier Organisation |
| IHI | Individual Healthcare Identifier |
| LSS | Logical Service Specification |
| TLS | Transport Layer Security |
| TSS | Technical Service Specification |
| UML | Unified Modeling Language |

## B.2 Specialised Terminology

| Term | Explanation |
|---|---|
| Clinical Information System | An Information system used to help support clinical activity. |
| Conformant Repository | A repository that conforms to the appropriate PCEHR standards and specifications required to ensure interoperability, privacy, integrity and long term availability of the healthcare information it holds. |
| Consumer Portal | A consumer portal is a nationally operated portal to allow individuals to access their own PCEHR. |
| PCEHR Identity | A PCEHR Identity contains identification information about a person who has a relationship with one or more PCEHRs in the PCEHR System. They may have their own PCEHR and/or they may be a Nominated and/or Authorised Representative for someone else. |
| Provider Portal | A provider portal complements existing local health record systems by providing an alternative form of access to the PCEHR for healthcare providers. |
| Service | A Service encapsulates the collaboration which occurs between two or more parties to achieve a goal. Each participant in the service may offer multiple Service Interfaces. |
| Service Interface | A Service Interface is a logical grouping of operations which be offered by a participant within the context of a Service. |
| Service Operation | A Service Operation is a specific function which supports communication between two participants. |

# Appendix C References

| Tag | Name | Version Release Date |
|---|---|---|
| [PCEHR_CON_OPS] | PCEHR Concept of Operations: relating to a Personally Controlled Electronic Health Record System<br>http://www.yourhealth.gov.au/internet/yourhealth/publishing.nsf/Content/pcehr-document | 0.13.6<br>September 2011 |
| [PCEHR-HIGH-LEVEL-REQS] | PCEHR System - Business Requirements | 1.0<br>06/05/2011 |
| [PCEHR-SYSTEM-GLOSSARY] | PCEHR System - Glossary | 1.0<br>6/05/2011 |
| [NeSAF] | National E-Health Security and Access Framework | 1.1<br>28/04/2011 |
| [PCEHR-HLSA] | PCEHR High Level System Architecture | V1.34<br>02/06/2011 |
| [EIF] | eHealth Interoperability Framework | V1.0<br>02/12/2011 |
| [RM-ODP] | Reference Model of Open Distributed Processing<br>ISO/IEC 10746-3:2009 | 2009 |
| [PCEHR-REG-LSS] | PCEHR Registration Service LSS | V1.0<br>03/03/2012 |