



Information Requirements

Information regarding the Custodian of an Advance Care Directive

Version v1.0 – 12 December 2011

Final

National E-Health Transition Authority Ltd

Level 25

56 Pitt Street

Sydney, NSW, 2000

Australia.

www.nehta.gov.au**Disclaimer**

NEHTA makes the information and other material ('Information') in this document available in good faith but without any representation or warranty as to its accuracy or completeness. NEHTA cannot accept any responsibility for the consequences of any use of the Information. As the Information is of a general nature only, it is up to any person using or relying on the Information to ensure that it is accurate, complete and suitable for the circumstances of its use.

Document Control

This document is maintained in electronic form. The current revision of this document is located on the NEHTA Web site and is uncontrolled in printed form. It is the responsibility of the user to verify that this copy is of the latest revision.

Security

The content of this document is confidential. The information contained herein must only be used for the purpose for which it is supplied and must not be disclosed other than explicitly agreed in writing with NEHTA.

Copyright © 2011, NEHTA.

This document contains information which is protected by copyright. All Rights Reserved. No part of this work may be reproduced or used in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems—without the permission of NEHTA. All copies of this document must include the copyright and other information contained on this page.

Document Information

Change history

Version	Date	Contributor	Comments
v0.0.1	2011-10-21	Rob Eastwood	Initial version, based on the PCEHR Concept of Operations and discussions with various NEHTA staff.
V0.0.2	2011-10-25	Rob Eastwood	Minor updates following internal discussions. Added some indicative sample snippets.
V0.0.3	2011-10-27	Rob Eastwood	Updates following feedback from Gernot Ortmanns (Clinical Safety) Dr Trina Gregory (Clinical Lead and the Privacy Unit).
V0.0.4	2011-11-04	Rob Eastwood	Renamed component 'ACD Information' to 'Document Control'. Replaced "ACD <i>Location Record</i> " with "ACD <i>Custodian Record</i> "
v0.0.5	2011-12-12	Rob Eastwood	Removed title page text box regarding " <i>Prior to external review...</i> "
V1.0	2012-01-09	Jennifer Pollard	Version control.

Document authorisation

Name	Title	Signature
Stephen Johnston	Head of Solutions Development	
Sean Holmes	Program Manager, Continuity of Care	

Table of Contents

Document Information	iii
Change history	iii
Document authorisation	iv
Table of Contents	v
Preface	vii
Document Purpose.....	vii
Intended Audience.....	vii
Document Status.....	vii
Definitions, Acronyms and Abbreviations	vii
References and Related Documents	vii
1 Introduction	1
1.1 Overview	1
1.2 Scope.....	1
1.2.1 Scope Inclusions.....	1
1.2.2 Scope Exclusions	1
1.3 Assumptions	1
1.4 Purpose	2
1.5 Exchange and Presentation Formats.....	2
2 Core Components	3
2.1 Overview	3
2.2 Guide to this document	3
2.2.1 Data Type legend.....	3
2.2.2 "Number of Values Allowed" legend.....	4
3 Component: Individual	5
3.1 Requirements	5
3.2 Samples & usage	7
3.3 Proposed Data model	9
4 Component: ACD Custodian Record Author	11
4.1 Requirements.....	11
4.2 Samples & usage	13
4.3 Proposed Data model	15
5 Component: ACD Custodian	16
5.1 Requirements.....	16
5.2 Samples & usage	17
5.3 Proposed Data model	18
6 Component: ACD Information	19
6.1 Requirements.....	19
6.2 Samples & usage	20
6.3 Proposed Data model	21
7 ACD Custodian Record Scenarios	22
8 Known Issues	23
Definitions	24
Shortened Terms	24
Glossary	24

References 25
References.....25
Related Reading25

Preface

Document Purpose

This document presents the information requirements for a record regarding the custodian of an individual's Advance Care Directive, which are recommended for use within Australia.

These Information Requirements are a logical set of data items for exchange and are therefore independent of any particular platform, technology, exchange format or presentation format.

Intended Audience

This document is intended for all interested stakeholders including:

- Clinicians
- Early adopter hospitals and health departments in the process of planning, implementing or upgrading eHealth systems
- Software vendors developing eHealth system products
- Early adopter general practitioner desktop software vendors
- Senior managers and policy makers, clinical experts, health information managers, IT operations and support teams, system integrators
- Stakeholders associated with the development and use of upcoming eHealth initiatives relating to 'continuity of care'
- Both technical and non-technical readers
- Consumers and consumer representatives

Document Status

Final.

Definitions, Acronyms and Abbreviations

For a list of abbreviations, acronyms and abbreviations, see the [Definitions section](#) at the end of the document, on page 24.

References and Related Documents

For a list of all referenced documents, see the [References](#) section at the end of the document, on page 25.

1 Introduction

1.1 Overview

The PCEHR System will provide information regarding the custodian of an Individual's Advance Care Directive (ACD). The actual Advance Care Directive will not be stored in the current version of the PCEHR. The Consolidated View will provide a link to the custodian of the individual's Advance Care Directive.

An Advance Care Directive is a statement by a competent person expressing decisions about his or her future care, should he or she become incapable of participating in medical treatment decisions. Advance care directives allow individuals to make choices about future medical treatment in the event they are cognitively impaired or otherwise unable to make their preferences known. The consequences of acting on an individual's preferences, as set out in an advance care directive can be significant, sometimes final.

Each Australian state and territory has their own Advance Care Directive (or Advance Health Directive) form which must be completed and signed by the individual.

Currently, the completed directive is kept in a safe place, and copies of the document are given to the Individual's family, solicitor or appointed attorney for health matters.

1.2 Scope

The following statements regarding scope pertain only to the information requirement specifications herein and not more broadly to the PCEHR scope of work.

1.2.1 Scope Inclusions

The scope of an ACD Custodian Record is to describe information solely related to the custodian of an individual's Advance Care Directive.

1.2.2 Scope Exclusions

These specifications do not contain any information contained with the actual directive itself. That is, the actual wishes of the individual. Future versions of the PCEHR System may include electronically stored Directives.

In order to differentiate the information contained in this specification from the content of the actual ACD, the term "ACD Custodian Record" has been adopted in this document.

1.3 Assumptions

The specifications herein are based on the following assumptions:

1. The existence of an ACD Custodian Record is premised on the existence of an ACD.
2. An ACD Custodian Record can only be entered by an individual or their authorised representative via the individual's PCEHR Consumer Portal interface. Where a healthcare provider performs the role of an individual's authorised representative, they do so in their personal capacity rather than as a healthcare provider. As such they can enter these details through the individual's PCEHR Consumer Portal interface.

3. An individual's ACD custodian may or may not be a healthcare provider and may be an individual or an organisation.
4. An individual may have more than one ACD custodian. Consequently, it is considered the responsibility of the individual to ensure that all custodians have the identical version of their ACD.

1.4 Purpose

The purpose of these Information Requirements is to define the requirements for a nationally-agreed exchange of information between healthcare providers in Australia, independent of exchange or presentation formats.

It is anticipated that these Information Requirements will:

- Promote a common understanding of the requirements for constructing and consumption of these records
- Provide a common framework for development and use of semantically interoperable information components to be exchanged between applications, providers, jurisdictions
- Provide a common framework for defining queries using these information requirements at logical levels, which may be adopted for implementations in local, jurisdictional or national Electronic Health Record environments
- Provide a common framework upon which to define nationally-agreed, specialty-specific information requirements
- Provide a common framework for nationally-defined mappings to specific exchange formats

1.5 Exchange and Presentation Formats

The information presented here is defined at the logical level, and is therefore independent of specific exchange or presentation formats (e.g. HL7 v2.x or HL7 Clinical Document Architecture [CDA]). The Information Requirements will be mapped to HL7 CDA exchange format and published following the endorsement of the Information Requirements.

Similarly, the requirement that a particular piece of data be exchanged in these records does not imply a requirement on the user interface. Similarly, other data elements (e.g. 'Date of Birth') have a number of different presentation options available (e.g. 'Birth Day' + 'Year of Birth' etc), which are not considered here. In addition to this, the names given to data components and data items are in many cases may not be appropriate to be used as field labels on a user interface.

Implementations which modify the data item names in the 'Item' column of the following section to accommodate local practices (e.g. 'Person name' represented as 'Individual Name') may still conform to this specification, but only if the meaning of the variables listed in the other columns are not modified.

Please also note that the order in which the data items are listed in this document is not indicative of the order in which this data should be exchanged or presented to the user.

2 Core Components

2.1 Overview

The information components include:

Component
Individual
ACD Custodian Record Author
ACD Custodian
Document Control

Each component is firstly described in terms of what the requirements are, providing a rationale.

A small number of indicative samples for usage are included to provide additional clarity but are not intended to be a prescription for display. Note also that all content in the samples is completely fictitious.

This is followed with a representation of the proposed data model for each.

2.2 Guide to this document

The proposed data model for each of the components is defined below, using the following columns:

- *Component*: A high level section or group of data elements
- *Item*: An individual data element or data group. A data item may be a single unit of data (e.g. "Date of Birth"), or a set of data that has a standard structure (e.g. "Address")
- *Type*: The type of data associated with the component or data item. Note that this may be a simple data type (e.g. text, date) requiring a single field, or a predefined structure requiring a group of fields. Refer to legend in section 2.2.1 below.
- *Number of Values Allowed*: The number of times that the given component/item may be included in an ACD Custodian Record. For items, this is the number of times that the given item may be included, each time the component. Refer to legend in section 2.2.2 below.

The following legends are included to assist the reader with the content of the tables that follow.

2.2.1 Data Type legend

The following table provides a description of the various datatypes in use.

Datatype	Notes
Boolean	A Boolean value can be either true or false, or may be empty.
Codeable Text	Codeable Text is a flexible data type to support various ways of holding text – both free text and coded text.
Coded Text	Values in this data type must come from the bound value list, with no exceptions.
DateTime	DateTime is used for specifying a single date and/or

Datatype	Notes
	time. It can indicate a level of precision, and define estimated or partial dates.
Integer	Whole numbers.
Quantity	The Quantity data type is used for recording many real world measurements and observations. Includes the magnitude, value and the unit.
Text	Free text string.
Time Interval	Time Interval contains a Start DateTime and (optionally) an End DateTime.
Unique Identifier	An identifier that uniquely identifies a given entity.

2.2.2 "Number of Values Allowed" legend

In order to facilitate understanding by non-technical readers, the standard notation for cardinality has been mapped to a more readable style, in the following ways:

- The value of "1" is technically represented as "1..1"
- The value of "1..Many" is technically represented as "1..*"
- The value of "0..Many" is technically represented as "0..*"

The following table provides a description of the options for Number of Values Allowed.

Value	Minimum	Maximum	Notes	Example
1	1	1	Must have 1 value and only 1	Sex
0..1	0	1	Does not need a value in every record, but when it does, it can only ever have 1	Comments
1..Many	1	Many	Must have at least 1 value, and can contain multiples	Individual Address
0..Many	0	Many	Does not need a value in every record, but when it does, it can contain multiples	Individual Communication Details

Note that the supporting technical documentation (Structured Content Specifications and CDA Implementation Guide) fully complies with the standard technical notation.

3 Component: Individual

Description: The individual is the person about whom the ACD Custodian Record pertains to – that is, the subject of the ACD.

3.1 Requirements

Data item	Requirement statement	Rationale
Component	Each ACD Custodian Record shall always contain information about the individual and shall always contain the following items.	An ACD Custodian Record is only created pertaining to an individual and one cannot exist without that individual.
Person Name	The name of the individual shall be recorded in every ACD Custodian Record.	Identification of the individual. Supports the indexing of clinical documents.
	The recording of individual name shall be consistent with Australian Standards of naming.	Allows interoperability. Eliminates ambiguity.
Person Identifier	Every ACD Custodian Record shall contain the individual's Individual Healthcare Identifier (IHI).	Allows interoperability. Eliminates ambiguity. Supports the indexing of clinical documents.
Date of Birth	Every ACD Custodian Record shall contain the individual's date of birth.	Identification of the individual. Supports the indexing of clinical documents.
	An approximation for the date of birth shall be allowed (such as only the year, or the month and year) only when the exact date is not known. That is, when the exact date is known, the full date shall be provided.	The individual's exact date of birth may not be known.
	When the date of birth is an approximation, an indication of such shall be included.	Eliminates ambiguity
Sex	The individual's sex shall be recorded in every ACD Custodian Record.	Identification of the individual. Supports the indexing of clinical documents.
	The individual's sex shall be recorded using (and be restricted to) the Australian Institute of Health and Welfare Person—Sex Data Element Concept values.	Allows interoperability. Eliminates ambiguity.
Address	The individual's address shall be recorded in every ACD Custodian Record.	Identification of the individual.
	The recording of individual address shall be consistent with Australian Standards of address recording.	Allows interoperability. Eliminates ambiguity.
	There shall be provision for recording the individual's address as not known or that they have no fixed	Individuals may not always have a fixed place of abode nor may the address be known in all cases.

Data item	Requirement statement	Rationale
	address.	
Communication Details	The ACD Custodian Record shall have the provision to record contact details for the individual.	Allows ready access to contact the individual, should the recipient not have those details at hand.
	A value for individual's communication detail shall only be included when it is deemed to relevant/appropriate to do so (i.e. optional to include a value).	A individual's contact may not be available or appropriate to include.
	An ACD Custodian Record shall be allowed to contain multiple individual communication details.	This allows recording of (for example) a home landline, a work mobile and an email address.
	The contact details record shall include provision for the medium (e.g. telephone, email), usage (e.g. home, work) as well as the actual details.	Allows interoperability. Eliminates ambiguity.
Indigenous Status	An indication of whether a person identifies as being of Aboriginal or Torres Strait Islander origin (or an indication of it being not stated etc) shall be recorded in every ACD Custodian Record.	Aborigines and Torres Strait Islanders are eligible for a range of specific services. This will contribute to improved data quality on indigenous health.

3.2 Samples & usage

5. The individual has only provided the least amount of information – that is, one address and no contact details. They have declined to state their Indigenous status.

INDIVIDUAL		
Name	Mr William SMITH	
IHI	8003600200002222	
Date of Birth	01/01/1946 (63 years) ¹	DOB Estimated? No ²
Sex	Male	
Address	Residence: 20 Chapel Street, Lilydale, VIC, 3002	
Contact		
Indigenous Status	Not stated	

6. Later, the same individual provides more demographic information.

INDIVIDUAL		
Name	Mr William SMITH	
IHI	8003600200002222	
Date of Birth	01/01/1946 (63 years)	DOB Estimated? No ²
Sex	Male	
Address	Residence: 20 Chapel Street, Lilydale, VIC, 3002	
	Postal: PO Box 123, Lilydale, VIC, 3002	

¹ The age of the individual would be a calculated value rather than being a separate data item.

² "DOB Estimated" is a datagroup consistent with AS5017-2006, but displayed here as Yes/No Display to allow easy understanding.

Contact	Home Phone: 03 3988 7156 Mobile: 0411 378 942 Email: mwsmith@internetprovider.com.au
Indigenous Status	Neither Aboriginal nor Torres Strait Islander origin

7. Another Individual does not recall the exact date of their birth.

INDIVIDUAL		
Name	Mr Albert HENRY	
IHI	8003600200003333	
Date of Birth	1946 (63 years)	DOB Estimated? Yes ²
Sex	Male	
Address	Residence: 1 General Street, Broome, WA, 6725	
Contact	Home Phone: 06 1212 1212	
Indigenous Status	Aboriginal but not Torres Strait Islander origin	

3.3 Proposed Data model

This section is mandatory to include in the ACD Custodian Record.

Data items	Data Type	Number of Values Allowed	Notes
Person Name	Person Name data group	1	The individual's name, structured using a predefined type, consistent with Australian standards of naming (e.g. family name and first name etc), as detailed in NEHTA's Participation Data Specification [PDS2011].
Person Identifier	Unique Identifier	1	The unique identifier of the individual; this must include the individual's Individual Healthcare Identifier (IHI).
Date of Birth	Date Time	1	The individual's date of birth. Where the exact date of birth is not known, this may be an approximation, which includes only the year, or the month and year.
Date of Birth Estimated?	Date of Birth Accuracy Indicator data group	0..1	The level of certainty or estimation of an individual's date of birth.
Sex	Coded Text	1	The sex of the individual. Sex is the biological distinction between male and female. Where there is an inconsistency between anatomical and chromosomal characteristics, sex is based on anatomical characteristics. ³ Refer to the known issue on pg 23.
Address	Address data group	1..Many	The address of the individual, recorded in a structured format, consistent with Australian standards of address recording, as detailed in NEHTA's Participation Data Specification [PDS2011]. Where the individual's address is not known, the address line can be populated with text entry of "Individual has no known address." This may include "No fixed address" if appropriate.
Communication Details	Electronic Communication Details data group	0..Many	The individual's preferred means of contact should be included to facilitate clinical follow-up. Each Contact Details data item includes the medium (e.g. telephone), usage (e.g. home) and details. A value is not always required because it may not be available or appropriate.
Indigenous Status	Coded Text	1	A description of whether a person identifies as being of Aboriginal or Torres Strait Islander origin. Refer to the AIHW definition and code set. ⁴

³ Source of definition: Australian Institute of Health and Welfare; Person—sex Data Element Concept (METeOR identifier: 269716) <http://meteor.aihw.gov.au/content/index.phtml/itemId/269716> (accessed 19 May 2011)

Data items	DataType	Number of Values Allowed	Notes
			Refer to the known issue on pg 22.

⁴ Australian Institute of Health and Welfare, METeOR, Metadata Online Registry. Person—Indigenous status
<http://meteor.aihw.gov.au/content/index.phtml/itemId/291036> (accessed 19 May 2011)

4 Component: ACD Custodian Record Author

Description: Details pertaining to the person who has authored the ACD Custodian Record regarding a given individual's ACD.

4.1 Requirements

Data item	Requirement statement	Rationale
Component	Each ACD Custodian Record shall record details about the person who authored the ACD Custodian Record with details as described below.	Medico-legal requirement to clearly identify the person who was the source of the ACD Record.
Person Name	Every ACD Custodian Record shall record the name of the author.	Clearly identifies the source of the ACD Record.
	The recording of the name of the source shall be consistent with Australian Standards of naming.	Allows interoperability. Eliminates ambiguity.
	Only 1 name record shall be allowed for the author.	Avoids unnecessary complexity.
Person Identifier	The ACD Custodian Record shall always record an identifier for the author.	Eliminates ambiguity.
	A single identifier shall be the IHI of the author, whether or not they are the Individual themselves or their authorised representative.	Authorised representatives.
Address	There shall be the provision to record the address of the author.	Should the author need to be contacted for clarifications.
	The recording of the address shall be consistent with Australian Standards of address recording.	Allows interoperability. Eliminates ambiguity.
	An ACD Custodian Record shall be allowed to contain multiple addresses for the author.	Caters for the street address as well as the postal address.
Communication Details	There shall be the provision to record contact detail(s) for the author of the ACD Custodian Record.	Downstream readers of the ACD Custodian Record may need to contact the author.
	An ACD Custodian Record shall be allowed to contain multiple author communication details.	This allows relevant telephone numbers (i.e. daytime, after hours, mobile, etc.) and email addresses to be recorded for future reference.
	The contact details record shall include provision for the medium (e.g. telephone, email), usage (e.g. after hours) as well as the actual details.	Allows interoperability. Eliminates ambiguity.
Authorised Representative	Where the author is an individual's authorised representative and they have an expiry date, the date of	When an Authorised Representative has an expiry date, after that date, the information contained ACD Custodian Record would be considered

Data item	Requirement statement	Rationale
Expiry Date	that expiry shall be recorded in each ACD Custodian Record.	out of date.
	This shall be captured as a date & time value.	Clarity

4.2 Samples & usage

1. The ACD Custodian Record has been authored by the individual themselves

ACD Custodian Record Author	
Name	Mr Daniel SMITH-JONES
IHI	8003602222222222
Authorised Representative?	No ⁵ Authorised Representative Expiry Date n/a
Address	Residential: 40 General Street, Brisbane, QLD 4001
Contact	Email : danny-sj@gmail.com Phone : 07 3998 7156

2. An ACD Custodian Record has been authored by an individual's son as their authorised representative, who does not have an expiry date.

ACD Custodian Record Author	
Name	Mr Brad SMITH-JONES
IHI	8003604444444444
Authorised Representative?	Yes ⁵ Authorised Representative Expiry Date n/a
Address	Residential: 19 General Street, Brisbane, QLD 4001
Contact	Email : brad-sj@gmail.com Phone : 07 3998 2222

⁵ Determination of whether an author is the Authorised Representative is made by virtue of a comparison between the Individual and the author. If they are not identical, then the author is their Authorised Representative.

3. An ACD Custodian Record has been authored by an individual's friend as their authorised representative, for which they have an expiry date.

ACD Custodian Record Author	
Name	Ms Mandy SMITH
IHI	8003609999999999
Authorised Representative?	Yes ⁵ Authorised Representative Expiry Date 25 Nov 2012
Address	Residential: 2 Lovely Street, Brisbane, QLD 4001
Contact	Email : mandy_smith564@gmail.com

4.3 Proposed Data model

This section is mandatory to include in the ACD Custodian Record.

Data items	DataType	Number of Values Allowed	Notes
Person Name	Person Name data group	1	The name of the author, structured using a predefined type consistent with Australian standards of naming (e.g. family name and first name etc), as detailed in NEHTA's Participation Data Specification [PDS2011].
Person Identifier	Unique Identifier	1	The unique identifier of the author; this must include the individual's Individual Healthcare Identifier (IHI). Where the author is an individual's Authorised Representative, this must be the Authorised Representative's IHI, even if they are a healthcare provider.
Address	Address data group	0..Many	The address of the author, recorded in a structured format consistent with Australian standards of address recording, as detailed in NEHTA's Participation Data Specification [PDS2011].
Communication Details	Electronic Communication Details data group	0..Many	The contact details for the author. The preferred means of contact should be included and should include at least one method of communication. Each Contact Details includes the medium (e.g. telephone), usage (e.g. work) and details.
Authorised Representative Expiry Date	DateTime	0..1	The expiry date of an individual's Authorised Representative, should one exist.

5 Component: ACD Custodian

Description: Details pertaining to the custodian of the individual's ACD.

5.1 Requirements

Data item	Requirement statement	Rationale
Component	Each ACD Custodian Record shall have the provision to record details about multiple ACD custodians.	An individual may have more than one custodian for their ACD.
	Each ACD Custodian Record shall record details about each custodian of the ACD with details as described below.	Medico-legal requirement to clearly identify the custodian of the ACD. Enables healthcare providers to seek the actual content of the ACD from the custodian.
Person or Organisation Name	Each custodian in the ACD Custodian Record shall include the name of the ACD custodian, whether they are an individual person or an organisation.	Identifies the custodian of the ACD Record.
	This item shall be captured as free text.	Flexibility.
Custodian Relationship	Each custodian in the ACD Custodian Record shall include a description of the relationship of the custodian to the individual.	Clarity.
	This item shall be captured as free text.	Flexibility.
Address	The address of the ACD custodian shall be recorded in every ACD Custodian Record.	Enables healthcare providers to seek the actual content of the ACD from the custodian
	The recording of the address shall be consistent with Australian Standards of address recording.	Allows interoperability. Eliminates ambiguity.
	An ACD Custodian Record shall be allowed to contain multiple addresses for each ACD custodian.	Caters for the street address as well as the postal address.
Communication Details	At least one contact detail for the ACD custodian shall be recorded in every ACD Custodian Record.	Downstream readers of the ACD Custodian Record may need to contact the ACD custodian in order to seek the actual content of the ACD.
	An ACD Custodian Record shall be allowed to contain multiple ACD custodian communication details.	This allows relevant telephone numbers (i.e. daytime, after hours, mobile, etc.) and email addresses to be recorded for future reference.
	The contact details record shall include provision for the medium (e.g. telephone, email), usage (e.g. after hours) as well as the actual details.	Allows interoperability. Eliminates ambiguity.

5.2 Samples & usage

1. An individual has a single ACD Custodian, which is their son.

ACD Custodian			
Name	Custodian Relationship	Address	Communication Details
Brad Smith-Jones	Son	Residential: 19 General Street, Brisbane, QLD 4001	Email: brad-sj@gmail.com Phone: 07 3998 2222

2. An individual lodges their ACD with two custodians.

ACD Custodian			
Name	Custodian Relationship	Address	Communication Details
Dr Mickey Smith	General Practitioner	Street: 319 Scenery Lane, Brisbane, QLD 4001 Postal: GPO Box 45, Brisbane 4000	Email: admin@fmp.com.au Phone: 07 3998 2222
Wentworth Solicitors	Solicitor	Street: 9 Opulent Avenue, Brisbane, QLD 4001 Postal: GPO Box 235, Brisbane 4000	Email: wwsolicitors@gmail.com Phone: 07 8999 5555

5.3 Proposed Data model

This section is mandatory to include in the ACD Custodian Record.

Data items		Data Type	Number of Values Allowed	Notes
Custodian		Group	1..Many	The data group for the individual's ACD custodian(s). Multiple custodians are allowed and the following data items apply for each custodian added.
	Person or Organisation Name	Text	1	The name of the ACD custodian, either the individual or organisation.
	Custodian Relationship	Text	1	A free text description of how the custodian relates to the individual; eg "General Practitioner", "Son", "Solicitor" etc.
	Address	Address data group	1..Many	The address of the ACD custodian, recorded in a structured format consistent with Australian standards of address recording, as detailed in NEHTA's Participation Data Specification [PDS2011].
	Communication Details	Electronic Communication Details data group	1..Many	The contact details for the ACD custodian. The preferred means of contact should be included and should include at least one method of communication. Each Contact Details includes the medium (e.g. telephone), usage (e.g. work) and details.

6 Component: Document Control

Description: Information related to the record of the Advance Care Directive, such as the date of the record.

6.1 Requirements

Data item	Requirement statement	Rationale
Component	This additional information is required for every ACD Record.	Ensures clarity when the ACD Custodian Record was created.
DateTime Attested	The Date of recording of the ACD Custodian Record shall be recorded in every ACD Custodian Record.	Ensures clarity when the ACD Custodian Record was created.

6.2 Samples & usage

The two data items may appear as follows:

DOCUMENT CONTROL	
DateTime Attested	26 Oct 2011 12:32

6.3 Proposed Data model

Data items	DataType	Number of Values Allowed	Notes
DateTime Attested	DateTime	1	The date/time when the ACD Custodian Record document was created (or signed off) by the author.

7 ACD Custodian Record Scenarios

1. The ACD Custodian is the individual's authorised representative

Barry Smith has elected that his son Mike act as his PCEHR authorised representative. Barry documents his ACD and decides that his son will be the custodian of this ACD document.

Mike enters this information into Barry's PCEHR Consumer Portal and as such Mike is both the ACD Custodian as well as the ACD Custodian Record author.

2. The ACD Custodian is the individual's GP

Mavis Jones lives alone and has no close family members in her state but has regular contact with her GP, Dr Palahniuk. Mavis creates an ACD and decides to have her GP be the custodian of her ACD. Mavis discusses this with Dr Palahniuk and he agrees to take on this responsibility.

Mavis logs onto to her PCEHR Consumer Portal record and enters the fact that her GP is the custodian of her ACD. Mavis is therefore both the Individual and the ACD Custodian Record author. She enters Dr Palahniuk as the ACD Custodian.

3. The ACD Custodian is the individual's solicitor's organisation

Kenny Macintyre has no family and no regular relationship with any healthcare providers. He decides his ACD should reside with his solicitor's office.

Kenny logs onto to his PCEHR Consumer Portal record and enters the fact that his solicitor's office is the custodian of his ACD. Kenny is therefore both the Individual and the ACD Custodian Record author. He enters his solicitor's organisation as the ACD Custodian.

8 Known Issues

The following issues cannot be addressed in time for release 1, and will be dealt with post release 1.

Topic	Issue
Individual's Sex (pg 9)	It is recognised that the inclusion of the data item for Individual's Sex is solely the physiological or biological distinction as defined by the clinician, for the benefit of clinical care. The additional social and cultural "gender role" that an individual identifies with is not captured but is a consideration for future releases.
Individual's Indigenous Status (pg 9)	NEHTA has adopted the label "Indigenous Status" from the AIHW as it is considered a nationally recognised source. However, it is also recognised that the preferred terminology for this label may be "Aboriginal and or Torres Strait Islander Status" and as such this disparity will be addressed in future versions.

Definitions

This section explains the specialised terminology used in this document.

Shortened Terms

This table lists abbreviations and acronyms in alphabetical order.

Term	Description
ACD	Advance Care Directive
CDA	Clinical Document Architecture
GP	General Practitioner
HI	Health Identifiers
HL7	Health Level 7
HPI-I	Healthcare Provider Identifier of the individual
HPI-O	Healthcare Provider Identifier of the organisation
IHI	Individual Healthcare Identifier
PCEHR	Personally Controlled Electronic Health Record

Glossary

This table lists specialised terminology in alphabetical order.

Term	Description
Business Architect	A Business Architect is anyone who looks at the way work is being directed and accomplished, and then identifies, designs and oversees the implementation of improvements that are harmonious with the nature and strategy of the organisation. Source: http://www.businessarchitects.org
Interoperability	The ability of software and hardware on multiple machines from multiple vendors to communicate. Source: The Free On-line Dictionary of Computing. Denis Howe. 21 Apr. 2008. From: Dictionary.com - http://dictionary.reference.com/browse/Interoperability
Solutions Architect	The Solutions Architect is typically responsible for matching technologies to the problem being solved. Source: http://www.developer.com
Technical Architect	The technical architect is responsible for transforming the requirements into a set of architecture and design documents that can be used by the rest of the team to actually create the solution. Source: http://www.developer.com

References

At the time of publication, the document versions indicated are valid. However, as all documents listed below are subject to revision, readers are encouraged to use the most recent versions of these documents.

References

The documents listed below are non-package documents that have been cited in this document.

Reference Documents			
[REF]	Document Name	Publisher	Link
[PCO-2011]	Concept of Operations Relating to the introduction of a Personally Controlled Electronic Health Record System, Version 1.0 — 9 Sep 2011	DOHA & NEHTA 2011	http://www.yourhealth.gov.au/internet/yourhealth/publishing.nsf/Content/pcehr-document
[PDS2011]	Participation Data Specification Version 3.2	NEHTA 2011	http://www.nehta.gov.au/connecting-australia/terminology-and-information/clinical-information-mi Open menu: Clinical Information Detailed Clinical Model Specifications (previously Data Specification)

Related Reading

The documents listed below may provide further information about the matters discussed in this document.

Related Documents			
[REF]	Document Name	Publisher	Link
[NEHTAWEB]	NEHTA Web Site	NEHTA	http://www.nehta.gov.au/