nehta

Specialist Letter P2P Delivery

Technical Service Specification

Version 1.1 — 14 March 2012

Final

National E-Health Transition Authority

National E-Health Transition Authority Ltd

Level 25

56 Pitt Street

Sydney, NSW, 2000

Australia.

www.nehta.gov.au

Document Information

Version	Date	Comments
1.0 draft	2011-07-06	Initial draft - based on e-Referrals Technical Services Specification
1.0 draft	2011-07-06	Created as separate docuemnt
1.0 draft	2011-11-20	Name Change to e-Specialist Letter P2P Delivery TSS. Updated to include CDA Packaging
1.0 final	2011-11-29	Released to vendors
1.1	2012-03-14	Re-released with amendments listed in appendix A

Table of Contents

This page intentionally left blank.

Preface

Document Purpose

The purpose of this document is to define the service interfaces and associated conformance points for the Provider-to-Provider (P2P) Delivery of Specialist Letter CDA document packages.

This specification, together with the Specialist Letter CDA Implementation Guide and the common Provider-to-Provider (P2P) Document Delivery Logical Service Specification (LSS) and the P2P Document Delivery Technical Service Specification (TSS), comprises an interoperability specification for the secure delivery of Specialist Letter CDA document packages (e.g. a CDA Specialist Letter plus any attachments) within the Continuity of Care domain of the Australian healthcare community.

Intended Audience

This is a technical document. The reader is expected to understand XML, SOAP Web services and the Secure Message Delivery specification defined by ATS 5822—2010:

- Solution Architects:
    - To understand the service specifications to incorporate them into their designs.
- Developers:
    - To implement the design so that it conforms to the service specifications.
- Testers:
    - To evaluate whether an implementation conforms to the service specifications.

This document should be read in conjunction with P2P Document Delivery TSS, the P2P Document Delivery LSS and the other documents listed in the references section.

Definitions, Acronyms and Abbreviations

For a list of acronyms and abbreviations, see the Definitions section on page 13.

References and Related Documents

For a list of all referenced documents, see the References on page 14.

1 Technical Service Specification

1.1 Overview

This technical service specification is specified as a profile of the P2P Document Delivery Technical Service Specification (TSS) – which, in turn, profiles Secure Message Delivery [ATS5822].

This document contains conformance points for the system roles of *Issuing CIS* and *Externally Issued Documents Repository*. These are additional to the conformance points that apply to these systems roles in the P2P document Delivery TSS.

1.2 Reference Values

This document uses the following reference values in conformance points with the following definitions:

- [PAYLOAD-SL-CDA-PACK]: this is a Specialist Letter CDA document packaged together with its attachments (if any) and its digital signature. It is formally specified in section 2.

The following service category is used by the endpoint definitions:

- [SC-SL-CDA]: this is the service category that represents the Specialist Letter P2P Delivery service. It is of the form defined in section 2.1.2.2 of the P2P Document Delivery TSS where the <document Type> is the ASCII encoded string literal "sl".

1.3 System Roles

1.3.1 Issuing CIS

1.3.1.1 Conformance to P2P Document Delivery TSS

CP.1   An *Issuing CIS* shall conform to all conformance points specified in the P2P Document Delivery TSS [P2PTSS] that are identified therein as applying to the *Issuing CIS* system role.

1.3.1.2 Computational Viewpoint

CP.2   The *Issuing CIS* shall invoke the Deliver Document Package logical service interface as an implementation of the Sender endpoint specified in [ATS5822], consistent with section 2.2.1 of [P2PTSS] and using a [PAYLOAD-SL-CDA-PACK] as the payload, and [SC-SL-CDA] as the service category.

1.3.2 Externally Issued Documents Repository

1.3.2.1 Conformance to P2P Document Delivery TSS

CP.3   An *Externally Issued Documents Repository* shall conform to all conformance points specified in the P2P Document Delivery TSS [P2PTSS] that are identified therein as applying to the *Externally Issued Documents Repository* system role.

1.3.2.2 Computational Viewpoint

CP.4   An Externally Issued Documents Repository shall provide a Deliver Document Package logical service interface as an implementation of the Receiver endpoint specified in [ATS5822], consistent with Section 2.2.1 of [P2PTSS] and

using a [PAYLOAD-SL-CDA-PACK] as the payload, and [SC-SL-CDA] as the service category.

2 Informational View

2.1 SMD Payloads

The following SMD payloads are used by the endpoint definition:

- [PAYLOAD-SL-CDA-PACK]: is a CDA Package, conforming to [CDAPAK], that contains, as its root entry, a CDA XML document that conforms to the Specialist Letter CDA Implementation Guide [SLCDAIG]

CP.5   A [PAYLOAD-SL-CDA-PACK] shall be constructed as a [PAYLOAD-CDA-PACK] consistent with Section 3.1.1 of [P2PTSS].

CP.6   The root part of the [PAYLOAD-SL-CDA-PACK] shall be a CDA XML document that conforms to the Specialist Letter CDA Implementation Guide [SLCDAIG].

Definitions

This section explains the terminology used in this document.

Abbreviations

Term	Description
CDA	Clinical Document Architecture
CIS	Clinical Information System
ELS	Endpoint Locator Service
EHR	Electronic Health Record
HL7	Health Level 7
IETF	Internet Engineering Task Force
LSS	Logical Service Specification
NeHF	National eHealth Framework
P2P	Provider to Provider
SMD	Secure Message Delivery
TSS	Technical Solution Specification
XML	Extensible Markup Language
URI	Uniform Resource Identifier

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.

[REF]	Document Name	Publisher
[ATS5822]	Australian Technical Specification – E-Health Secure Message Delivery ATS 5822—2010	Standards Australia 2010
[CDAPACK]	CDA package Specification, Version 1.0	NEHTA 2011
[SLCDAIG]	Specialist Letter CDA Implementation Guide, version 1.3	NEHTA 2012
[P2PTSS]	P2P Document Delivery Technical Service Specification, version 1.1	NEHTA 2012

Appendix A: Log of Changes

This appendix lists the major changes and fixes applied to this document resulting from public feedback and internal testing.

Changes Version 1.2 November 2011 to Version 1.3 14 March 2012

ID	Document Reference		Change Type	Change Detail	Change instigated by	Rational for Change	Date Changed
	Section	Section Name					
1	Page iii	Document Information	Changed Document Information section	Removed Contributor column form Change History Modified comment for version 1.0 Removed Authorisation History Removed Document Authorisation	NEHTA	Alignment with NEHTA document information standards	02/03/2012
2	Page iii	Document Information	Added row to table	Added version 1.3	NEHTA	New version	02/03/2012
3	1.1	Overview	Changed reference	Changed tag used to reference ATS 5822	NEHTA	Adopt common referencing style	02/03/2012
4	1.2	Reference Values	Changed string literal	Changed "CDA-SpecialistLetter" to "sl" Added clause specifying ASCII encoding	NEHTA	Align with the value already provided to vendors	02/03/2012
5	1.3.1.1	Conformance to P2P Document Delivery TSS	Added reference	Added [P2PTSS]	NEHTA	Adopt a common referencing style	02/03/2012
6	1.3.1.2	Computation	Combined and renamed sections and conformance	Previous conformance points CP.2, CP.3 and CP.4 have	NEHTA	Simplification of the expression of	02/03/2012

ID	Document Reference		Change Type	Change Detail	Change instigated by	Rational for Change	Date Changed
		Viewpoint	points	been combined to become CP.2		conformance requirements	
7	1.3.2.1	Conformance to P2P Document Delivery TSS	Added reference	Added [P2PTSS]	NEHTA	Adopt a common referencing style	02/03/2012
8	1.3.2.2	Computation Viewpoint	Combined and renamed sections and conformance points	Previous conformance points CP.7, CP.8 and CP.9 have been combined to become CP.4	NEHTA	Simplification of the expression of conformance requirements	02/03/2012
9	2.1	SMD payloads	Changed reference tag	Change tag used to reference CDA package specification	NEHTA	Adopt a common referencing style	02/03/2012
10	2.1	SMD payloads	Changed reference tag	Change tag used to reference Specialist Letter CDA IG	NEHTA	Adopt a common referencing style	02/03/2012
11	2.1	SMD payloads	Changed conformance point	Added reference to P2PTSS	NEHTA	Simplification of the expression of conformance requirements	02/03/2012
12	2.1	SMD payloads	Added reference	Added [SLCDAIG]	NEHTA	Adopt a common referencing style	02/03/2012
13	2.1	SMD payloads	Moved conformance point	The former conformance point CP.12 was a common to all P2P TSS and so has been moved to the common P2P Document Delivery TSS	NEHTA	Simplification of the expression of conformance requirements	02/03/2012