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Service Referral P2P Delivery Technical Service Specification

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1.3	14-03-2012	Updated according to vendor feedback
2.0	09-07-2018	Updated to support Service Referral v1.1

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1 Introduction

1.1 Purpose

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

This specification, together with the Service Referral 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 Service Referral CDA document packages (e.g. a CDA Service Referral plus any attachments) within the Continuity of Care domain of the Australian healthcare community.

1.2 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 the P2P Document Delivery TSS, the P2P Document Delivery LSS, and the other documents listed in the References section.

2 Technical Service Specification

2.1 Overview

This document 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.

2.2 Reference Values

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

- [PAYLOAD-SR-CDA-PACK]: this is a Service Referral CDA document packaged together with its attachments (if any) and its digital signature. It is formally specified in section 3 Informational View.

The following service category is used by the endpoint definitions:

- [SC-ER-CDA]: this is the service category that represents the Referral P2P Delivery service. It is of the form defined in section 2.1.1.2 of the P2P Document Delivery TSS [P2PTSS] where the <document Type> is the ASCII encoded string literal 'sr' and the literal '2012' is replaced with '2018'.

2.3 System Roles

2.3.1 Issuing CIS

2.3.1.1 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.

2.3.1.2 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-SR-CDA-PACK] as the payload, and [SC-ER-CDA] as the service category.

2.3.2 Externally Issued Documents Repository

2.3.2.1 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.

2.3.2.2 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-SR-CDA-PACK] as the payload, and [SC-ER-CDA] as the service category.

3 Informational View

3.1 SMD Payloads

The following SMD payloads are used by the endpoint definition:

- [PAYLOAD-SR-CDA-PACK]: is a CDA Package, conforming to [CDAPACK], that contains, as its root entry, a CDA XML document that conforms to the Service Referral CDA Implementation Guide [SRCDAIG]
 - CP.5 A [PAYLOAD-SR-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-SR-CDA-PACK] shall be a CDA XML document that conforms to the Service Referral CDA Implementation Guide [SRCDAIG].

Appendix A Definitions

This section explains the terminology used in this document.

A.1 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 Service Specification
XML	Extensible Mark-up Language
URI	Uniform Resource Identifier

A.2 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
[SRCDAIG]	Service Referral CDA Implementation Guide, version 1.1	Australian Digital Health Agency 2018

[REF]	Document Name	Publisher
[P2PTSS]	P2P Document Delivery Technical Service Specification, version 1.1	NEHTA 2012