nehta

Prescription Request

Structured Document Template

Version 1.1 — 17 Dec 2010

Final

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Document Information

Document owner

Document Owner
The National Clinical Terminology and Information Service

Change history

Version	Date	Comments
1.0	31 Aug 2010	Initial public release.
1.1	17 Dec 2010	The data group *DISPENSING INFORMATION* has been removed, but all of its data elements have been retained. The Participation appendices have been aligned with the body of the SDT.

Related documents

Name	Version/Release Date
Data Types in NEHTA Specifications: A Profile of the ISO 21090 Specification	Version 1.0, Issued September 2010
Data Specifications and Structured Document Templates - Guide for Use	Version 1.1, Issued September 2010
Participation Data Specification	Version 3.0, Issued September 2010
ePrescription Structured Document Template	Version 3.1, Issued November 2010
Dispense Record Structured Document Template	Version 3.1, Issued November 2010
Prescription Request v1.1 CDA Implementation Guide	Version 1.0, Issued November 2010

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- Standards Australia;

- Members of the Australian DataTypes Project;

- Australian Institute of Health & Welfare; and

- Ocean Informatics.

Table of Contents

1 Introduction

This document is a Structured Document Template (SDT) for prescription requests. It specifies the information structure of NEHTA-compliant prescription requests in order to support the Electronic Transfer of Prescription (ETP).

Essential information about structured document templates can be found in NEHTA Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d].

NEHTA values your questions and comments about this document. Please direct your questions or feedback to medication.management@nehta.gov.au.

1.1 Document Purpose

This document describes the structured document template for a *prescription request* from a clinical communication perspective.

The content within this document provides reviewers (software development teams, architects, designers, clinicians and informatics researchers) with the necessary information (or references to information held outside this document) to evaluate and assess the clinical suitability of NEHTA-endorsed specifications for the electronic transfer of prescriptions.

It is part of the foundation for any implementation of a NEHTA-compliant ETP system.

It is also a key input to the NEHTA Prescription Request v1.1 CDA Implementation Guide [NEHT2010n], which describes how to implement NEHTA-compliant electronic prescriptions using the HL7 Clinical Document Architecture [HL7CDAR2].

1.2 Intended Audience

This document is aimed at software development teams, architects, designers, clinicians and informatics researchers who are responsible for the delivery of clinical applications, infrastructure components and messaging interfaces and also for those who wish to evaluate the clinical suitability of NEHTA-endorsed specifications.

1.3 Overview

The overall process of prescribing and dispensing is described in ETP Release 1.1 Concept of Operations [NEHT2010p].

The processes behind prescription requests are:

1. A prescriber issues a *prescriber instruction* to a dispenser, this instructs the dispenser to dispense a therapeutic good to a subject of care before a formal prescription has been supplied to the dispenser.

2. The dispenser sends the prescriber a *prescription request* to request an *electronic prescription* to match the *prescriber instruction*.

3. The prescriber creates an *electronic prescription* which is made available to the dispenser.

1.4 Document Map

This document is not intended to be used in isolation. Companion documents are listed below:
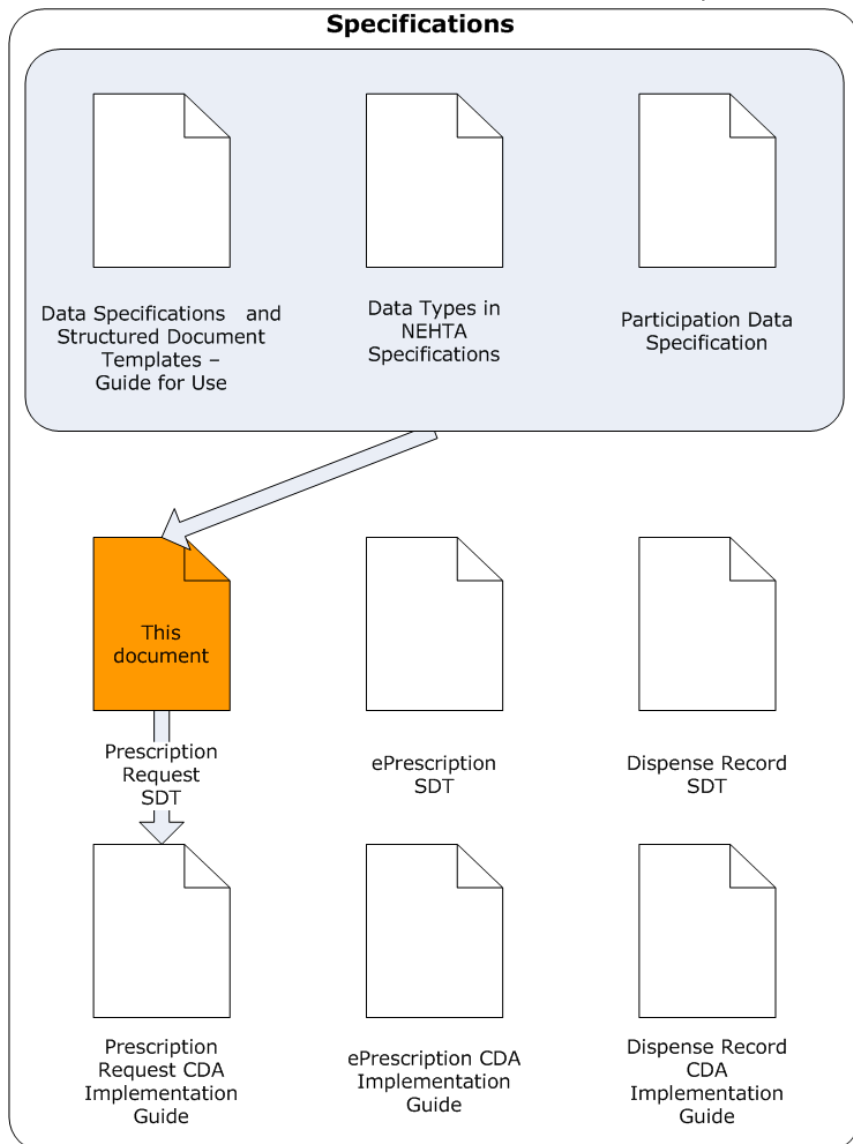
Document Map

1. NEHTA Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d].

2. NEHTA Data Types in NEHTA Specifications: A Profile of the ISO 21090 Specification [NEHT2010c].

3. NEHTA Participation Data Specification [NEHT2010i].

4. NEHTA ePrescription Structured Document Template [NEHT2010r].

5. NEHTA Dispense Record Structured Document Template [NEHT2010t].

6. NEHTA Prescription Request v1.1 CDA Implementation Guide [NEHT2010n].

7. NEHTA e-Prescription v3.1 CDA Implementation Guide [NEHT2010m].

8. NEHTA Dispense Record v3.1 CDA Implementation Guide [NEHT2010o].

1.5 Document Scope

This document specifies the essential clinical data groups and elements to be captured in an electronic prescription exchange and the constraints that should be applied. Its scope is aligned to ETP Release 1.1, which will support prescriptions that are generated by medical practitioners and dispensed by pharmacists.

The types of prescriptions are:

• PBS/RPBS prescriptions;

• PBS/RPBS authority prescriptions; and

• non-PBS prescriptions (private prescriptions).

This is not a guide to implementing any specific messaging standard.

1.6 Known Issues

Known issues with this document are described in E: *Known Issues*.

2 Prescription Request Structured Document

2.1 PRESCRIPTION REQUEST

Identification

Name	PRESCRIPTION REQUEST
Metadata Type	Structured Document
Identifier	SD-16285
OID	1.2.36.1.2001.1001.101.100.16285

Definition

Definition	A request by a dispenser for a formal prescription to legitimate the dispensing of therapeutic goods following an instruction from a prescriber to supply a therapeutic good without a prescription.
Definition Source	NEHTA
Synonymous Names	

Data Hierarchy

		PRESCRIPTION REQUEST	1..1
CONTEXT			
	👤	SUBJECT OF CARE	1..1
	👤	DISPENSER	1..1
	👤	DISPENSING ORGANISATION	1..1
	👤	PRESCRIBER	1..1
	👤	PRESCRIBER ORGANISATION	1..1
	ID	Prescription Request Identifier	1..1
	📅	DateTime Prescription Request Written	1..1
CONTENT			
	┠	PRESCRIBER INSTRUCTION DETAIL	1..1

			PRESCRIBER INSTRUCTION RECIPIENT	1..1
			DateTime Prescriber Instruction Received	1..1
			Prescriber Instruction	1..1
			Prescriber Instruction Source	1..1
			Prescriber Instruction Communication Medium	1..1
		PRESCRIPTION REQUEST ITEM		1..1
			Therapeutic Good Identification	1..1
			Formula	0..1
			DOSAGE	0..1
				Dose Instruction	1..1
			Instructions for Use	0..1
			Quantity of Therapeutic Good	1..1
			Brand Substitute Allowed	0..1
			Medical Benefit Category Type	0..1
			PBS/RPBS Authority Approval Number	0..1
			State Authority Number	0..1
			Additional Comments	0..1
		REQUESTER NOTE		0..1
			Note	1..1

3 Prescription Request Context

3.1 SUBJECT OF CARE

Identification

Name	SUBJECT OF CARE
Metadata Type	Data Group
Identifier	DG-10296
OID	1.2.36.1.2001.1001.101.102.10296
External Identifier	AS 5017-2006 [SA2006b]

Definition

Definition	The person the prescription is for. The intended recipient of the prescribed items.
Definition Source	NEHTA
Synonymous Names	Patient Healthcare Individual

Usage

Conditions of Use	These are described in more detail in A.1: Subject of Care. This is a reuse of the PARTICIPATION data group, which is described in Participation Data Specification [NEHT2010i]. The following constraints are additional to those specified in Participation Data Specification [NEHT2010i]. Constraints are explained in Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d]. Additional obligation and occurrence constraints: • Participation Period is **PROHIBITED**. • LOCATION OF PARTICIPATION is **PROHIBITED**. • Entity Identifier is **ESSENTIAL**. • ADDRESS is **ESSENTIAL**. • Relationship to Subject of Care is **PROHIBITED**. • EMPLOYMENT DETAIL is **PROHIBITED**. • DATE OF DEATH DETAIL is **PROHIBITED**. • Source of Death Notification is **PROHIBITED**. • Mother's Original Family Name is **PROHIBITED**.

- Country of Birth is **PROHIBITED**.

- State/Territory of Birth is **PROHIBITED**.

- Indigenous Status is **PROHIBITED**.

- Qualifications is **PROHIBITED**.

Other additional constraints:

- Participation Type **MUST** have an implementation-specific fixed value meaning "Subject".

- The value of Entity Identifier **MUST** be an Australian IHI.

- ADDRESS **MUST** have an Address Purpose value of "Residential" or "Temporary Accommodation".

- PERSON OR ORGANISATION OR DEVICE **MUST** be instantiated as a PERSON.

- Entitlement Type **MUST** have a value from Subject of Care Entitlement Type Values.

Conditions of Use Source	NEHTA

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIPTION REQUEST	Essential		Single

3.2 Subject of Care Entitlement Type Values

Identification

Name	Subject of Care Entitlement Type Values
Metadata Type	Value Domain
Identifier	VD-16047
OID	1.2.36.1.2001.1001.101.104.16047

Definition

Definition	The set of values for the description of the scope of a Subject of Care's entitlement.
Definition Source	NEHTA

Value Domain

Source	NEHTA
Permissible Values	1 Medicare Benefits
	2 Pensioner Concession
	3 Commonwealth Seniors Health Concession
	4 Health Care Concession
	5 Repatriation Health Gold Benefits
	6 Repatriation Health White Benefits
	7 Repatriation Health Orange Benefits
	8 Safety Net Concession
	9 Safety Net Entitlement

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
👤	SUBJECT OF CARE	Essential		Single

3.3 DISPENSER

Identification

Name	DISPENSER
Metadata Type	Data Group
Identifier	DG-10296
OID	1.2.36.1.2001.1001.101.102.10296
External Identifier	AS 4846-2006 [SA2006a]

Definition

Definition	The healthcare provider who made the therapeutic good available.
Definition Source	NEHTA
Synonymous Names	

Usage

Conditions of Use	These are described in more detail in B.1: Dispenser. This is a reuse of the PARTICIPATION data group, which is described in Participation Data Specification [NEHT2010i]. The following constraints are additional to those specified in Participation Data Specification [NEHT2010i]. Constraints are explained in Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d]. Additional obligation and occurrence constraints: • Participation Period is **PROHIBITED**. • LOCATION OF PARTICIPATION is **PROHIBITED**. • Entity Identifier is **ESSENTIAL**. • Relationship to Subject of Care is **PROHIBITED**. • EMPLOYMENT DETAIL is **PROHIBITED**. • Date of Birth is Calculated From Age is **PROHIBITED**. • DATE OF BIRTH ACCURACY INDICATOR is **PROHIBITED**. • AGE DETAIL is **PROHIBITED**. • Birth Plurality is **PROHIBITED**. • Birth Order is **PROHIBITED**. • DATE OF DEATH DETAIL is **PROHIBITED**.

	• Source of Death Notification is **PROHIBITED**.
	• Mother's Original Family Name is **PROHIBITED**.
	• Country of Birth is **PROHIBITED**.
	• State/Territory of Birth is **PROHIBITED**.
	• Indigenous Status is **PROHIBITED**.
	• ENTITLEMENT is **PROHIBITED**.
	Other additional constraints:
	• Participation Type **MUST** have an implementation-specific fixed value meaning "Dispenser".
	• The value of Entity Identifier **MUST** be an Australian HPI-I.
	• AUSTRALIAN OR INTERNATIONAL ADDRESS **MUST** be instantiated as an AUSTRALIAN ADDRESS.
	• PERSON OR ORGANISATION OR DEVICE **MUST** be instantiated as a PERSON.
Conditions of Use Source	NEHTA

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
🗍	PRESCRIPTION REQUEST	Essential		Single

3.4 DISPENSING ORGANISATION

Identification

Name	DISPENSING ORGANISATION
Metadata Type	Data Group
Identifier	DG-10296
OID	1.2.36.1.2001.1001.101.102.10296
External Identifier	AS 4846-2006 [SA2006a]

Definition

Definition	The organisation which the dispenser is working for when they dispense the item.
Definition Source	NEHTA
Synonymous Names	

Usage

| Conditions of Use | These are described in more detail in B.2: Dispensing Organisation.

This is a reuse of the PARTICIPATION data group, which is described in Participation Data Specification [NEHT2010i].

The following constraints are additional to those specified in Participation Data Specification [NEHT2010i]. Constraints are explained in Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d].

Additional obligation and occurrence constraints:

• Participation Period is **PROHIBITED**.

• Location of Participation is **PROHIBITED**.

• Entity Identifier is **ESSENTIAL**.

• ADDRESS is **ESSENTIAL**.

• ADDRESS is **SINGLE**.

• ELECTRONIC COMMUNICATION DETAIL is **ESSENTIAL**.

• Qualifications is prohibited.

Other additional constraints:

• Participation Type **MUST** have an implementation-specific fixed value meaning "Dispensary".

• The value of Entity Identifier **MUST** be an Australian HPI-O. |
|---|---|

	• AUSTRALIAN OR INTERNATIONAL ADDRESS **MUST** be instantiated as an AUSTRALIAN ADDRESS. • ADDRESS **MUST** have an Address Purpose value of "Business". • PERSON OR ORGANISATION OR DEVICE **MUST** be instantiated as an ORGANISATION. • If the value of Medical Benefit Category Type is "1" (PBS), "2" (RPBS) or "3" (CTG), exactly one ENTITLEMENT **MUST** have an Entitlement Type with the value "11" (Medicare Pharmacy Approval Number).
Conditions of Use Source	NEHTA

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
🗇	PRESCRIPTION REQUEST	Essential		Single

3.5 PRESCRIBER

Identification

Name	PRESCRIBER
Metadata Type	Data Group
Identifier	DG-10296
OID	1.2.36.1.2001.1001.101.102.10296
External Identifier	AS 4846-2006 [SA2006a]

Definition

Definition	The healthcare provider from whom a prescription is sought.
Definition Source	NEHTA
Synonymous Names	
Notes	This will be the healthcare provider who wrote the prescriber instruction.

Usage

Conditions of Use	These are described in more detail in C.1: Prescriber.
	This is a reuse of the PARTICIPATION data group, which is described in Participation Data Specification [NEHT2010i].
	The following constraints are additional to those specified in Participation Data Specification [NEHT2010i]. Constraints are explained in Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d].
	Additional obligation and occurrence constraints:
	• Participation Period is **PROHIBITED**.
	• LOCATION OF PARTICIPATION is **PROHIBITED**.
	• Entity Identifier is **ESSENTIAL**.
	• Relationship to Subject of Care is **PROHIBITED**.
	• EMPLOYER ORGANISATION is **PROHIBITED**.
	• Employment Type is **PROHIBITED**.
	• Occupation is **ESSENTIAL**.
	• Position In Organisation is **PROHIBITED**.
	• Date of Birth is Calculated From Age is **PROHIBITED**.
	• DATE OF BIRTH ACCURACY INDICATOR is **PROHIBITED**.

	• AGE DETAIL is **PROHIBITED**.
	• Birth Plurality is **PROHIBITED**.
	• Birth Order is **PROHIBITED**.
	• DATE OF DEATH DETAIL is **PROHIBITED**.
	• Source of Death Notification is **PROHIBITED**.
	• Mother's Original Family Name is **PROHIBITED**.
	• Country of Birth is **PROHIBITED**.
	• State/Territory of Birth is **PROHIBITED**.
	• Indigenous Status is **PROHIBITED**.
	Other additional constraints:
	• Participation Type **MUST** have an implementation-specific fixed value meaning "Prescriber".
	• The value of Entity Identifier **MUST** be an Australian HPI-I.
	• AUSTRALIAN OR INTERNATIONAL ADDRESS **MUST** be instantiated as an AUSTRALIAN ADDRESS.
	• PERSON OR ORGANISATION OR DEVICE **MUST** be instantiated as a PERSON.
	• If the value of Medical Benefit Category Type is "1" (PBS), "2" (RPBS) or "3" (CTG), exactly one ENTITLEMENT **MUST** have an Entitlement Type with the value "10" (Medicare Prescriber Number).
Conditions of Use Source	NEHTA

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
▣	PRESCRIPTION REQUEST	Essential		Single

3.6 PRESCRIBER ORGANISATION

Identification

Name	PRESCRIBER ORGANISATION
Metadata Type	Data Group
Identifier	DG-10296
OID	1.2.36.1.2001.1001.101.102.10296
External Identifier	AS 4846-2006 [SA2006a]

Definition

Definition	The organisation which the prescriber is working for when they write the prescription.
Definition Source	NEHTA
Synonymous Names	

Usage

Conditions of Use	These are described in more detail in C.2: Prescriber Organisation.
	This is a reuse of the PARTICIPATION data group, which is described in Participation Data Specification [NEHT2010i].
	The following constraints are additional to those specified in Participation Data Specification [NEHT2010i]. Constraints are explained in Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d].
	Additional obligation and occurrence constraints:
	• Participation Period is **PROHIBITED**.
	• Location of Participation is **PROHIBITED**.
	• Entity Identifier is **ESSENTIAL**.
	• ADDRESS is **ESSENTIAL**.
	• ADDRESS is **SINGLE**.
	• ELECTRONIC COMMUNICATION DETAIL is **ESSENTIAL**.
	• ENTITLEMENT is **PROHIBITED**.
	• Qualifications is **PROHIBITED**.
	Other additional constraints:
	• Participation Type **MUST** have an implementation-specific fixed value meaning "Healthcare Facility".

	• The value of Entity Identifier **MUST** be an Australian HPI-O.
	• AUSTRALIAN OR INTERNATIONAL ADDRESS **MUST** be instantiated as an AUSTRALIAN ADDRESS.
	• ADDRESS **MUST** have an Address Purpose value of "Business".
	• At least one ELECTRONIC COMMUNICATION DETAIL **MUST** have Electronic Communication Medium with a value of "Telephone" or "Mobile".
	• PERSON OR ORGANISATION OR DEVICE **MUST** be instantiated as an ORGANISATION.
Conditions of Use Source	NEHTA

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIPTION REQUEST	Essential		Single

3.7 Prescription Request Identifier

Identification

Name	Prescription Request Identifier
Metadata Type	Data Element
Identifier	DE-16287
OID	1.2.36.1.2001.1001.101.103.16287

Definition

Definition	The dispenser's identifier for the request.
Definition Source	NEHTA
Synonymous Names	
Data Type	UniqueIdentifier

Usage

Examples	See: NEHTA Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d].

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIPTION REQUEST	Essential		Single

3.8 DateTime Prescription Request Written

Identification

Name	DateTime Prescription Request Written
Metadata Type	Data Element
Identifier	DE-16288
OID	1.2.36.1.2001.1001.101.103.16288

Definition

Definition	The date (and optionally time) that the prescription request is written.
Definition Source	NEHTA
Synonymous Names	
Data Type	DateTime

Usage

Examples	See: NEHTA Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d].

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIPTION REQUEST	Essential		Single

4 Prescriber Instruction Detail

4.1 PRESCRIBER INSTRUCTION DETAIL

Identification

Name	PRESCRIBER INSTRUCTION DETAIL
Metadata Type	Data Group
Identifier	DG-16290
OID	1.2.36.1.2001.1001.101.102.16290

Definition

Definition	A summary of the instruction from the prescriber to supply a therapeutic good to a subject of care.
Definition Source	NEHTA
Synonymous Names	

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIPTION REQUEST	Essential		Single

Children

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIBER INSTRUCTION RECIPIENT	Essential		Single
	DateTime Prescriber Instruction Received	Essential		Single
	Prescriber Instruction	Essential		Single
	Prescriber Instruction Source	Essential		Single
	Prescriber Instruction Communication Medium	Essential		Single

4.2 PRESCRIBER INSTRUCTION RECIPIENT

Identification

Name	PRESCRIBER INSTRUCTION RECIPIENT
Metadata Type	Data Group
Identifier	DG-10296
OID	1.2.36.1.2001.1001.101.102.10296
External Identifier	AS 4846-2006 [SA2006a]

Definition

Definition	The healthcare provider who received the prescriber instruction.
Definition Source	NEHTA
Synonymous Names	

Usage

Conditions of Use	Except for the value of Participation Type, these are the same constraints as those on DISPENSER .
	This is a reuse of the PARTICIPATION data group, which is described in Participation Data Specification [NEHT2010i].
	The following constraints are additional to those specified in Participation Data Specification [NEHT2010i]. Constraints are explained in Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d].
	Additional obligation and occurrence constraints:
	• Participation Period is **PROHIBITED**.
	• LOCATION OF PARTICIPATION is **PROHIBITED**.
	• Entity Identifier is **ESSENTIAL**.
	• Relationship to Subject of Care is **PROHIBITED**.
	• EMPLOYMENT DETAIL is **PROHIBITED**.
	• Date of Birth is Calculated From Age is **PROHIBITED**.
	• DATE OF BIRTH ACCURACY INDICATOR is **PROHIBITED**.
	• AGE DETAIL is **PROHIBITED**.
	• Birth Plurality is **PROHIBITED**.
	• Birth Order is **PROHIBITED**.

	• DATE OF DEATH DETAIL is **PROHIBITED**. • Source of Death Notification is **PROHIBITED**. • Mother's Original Family Name is **PROHIBITED**. • Country of Birth is **PROHIBITED**. • State/Territory of Birth is **PROHIBITED**. • Indigenous Status is **PROHIBITED**. • ENTITLEMENT is **PROHIBITED**. Other additional constraints: • Participation Type **MUST** have a fixed value of "Prescriber Instruction Recipient". • The value of Entity Identifier **MUST** be an Australian HPI-I. • AUSTRALIAN OR INTERNATIONAL ADDRESS **MUST** be instantiated as an AUSTRALIAN ADDRESS. • PERSON OR ORGANISATION OR DEVICE **MUST** be instantiated as a PERSON.
Conditions of Use Source	NEHTA

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
⊨	PRESCRIBER INSTRUCTION DETAIL	Essential		Single

4.3 DateTime Prescriber Instruction Received

Identification

Name	DateTime Prescriber Instruction Received
Metadata Type	Data Element
Identifier	DE-16292
OID	1.2.36.1.2001.1001.101.103.16292

Definition

Definition	The date (and optionally time) that the prescriber instruction is received or accessed by the dispenser.
Definition Source	NEHTA
Synonymous Names	
Data Type	DateTime

Usage

Examples	See: NEHTA Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d].

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIBER INSTRUCTION DETAIL	Essential		Single

4.4 Prescriber Instruction

Identification

Name	Prescriber Instruction
Metadata Type	Data Element
Identifier	DE-16293
OID	1.2.36.1.2001.1001.101.103.16293

Definition

Definition	A statement of the instruction itself, including the therapeutic good.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Examples	

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIBER INSTRUCTION DETAIL	Essential		Single

4.5 Prescriber Instruction Source

Identification

Name	Prescriber Instruction Source
Metadata Type	Data Element
Identifier	DE-16295
OID	1.2.36.1.2001.1001.101.103.16295

Definition

Definition	The origin for the content of the prescriber instruction.
Definition Source	NEHTA
Synonymous Names	
Data Type	CodeableText
Value Domain	*Not specified.*
	In the absence of national standard code sets, the code sets used **MUST** be registered code sets, i.e. registered through the *HL7 code set registration procedure*[1] with an appropriate object identifier (OID), and **MUST** be publicly available.
	When national standard code sets become available, they **MUST** be used and the non-standard code sets **MUST** be deprecated.

Usage

Examples	1. standing order
	2. protocol
	3. medical record
	4. medication chart
	5. verbal instruction

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIBER INSTRUCTION DETAIL	Essential		Single

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[1] http://www.hl7.org/oid/index.cfm?ref=footer

4.6 Prescriber Instruction Communication Medium

Identification

Name	Prescriber Instruction Communication Medium
Metadata Type	Data Element
Identifier	DE-16297
OID	1.2.36.1.2001.1001.101.103.16297

Definition

Definition	The mechanism or mode of communication used to transmit the Prescriber Instruction to the dispenser.
Definition Source	NEHTA
Synonymous Names	
Data Type	CodeableText
Value Domain	Prescriber Instruction Communication Medium Values

Usage

Examples	1. phone 2. fax 3. email 4. face-to-face

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
⊨	PRESCRIBER INSTRUCTION DETAIL	Essential		Single

4.7 Prescriber Instruction Communication Medium Values

Identification

Name	Prescriber Instruction Communication Medium Values
Metadata Type	Value Domain
Identifier	VD-16296
OID	1.2.36.1.2001.1001.101.104.16296

Definition

Definition	The set of values of Prescriber Instruction Communication Medium.
Definition Source	NEHTA

Value Domain

Source	NEHTA
Permissible Values	1 phone
	2 fax
	3 email
	4 face-to-face

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
T/T₀₁₀	Prescriber Instruction Communication Medium	Essential		Single

5 Prescription Request Item

5.1 PRESCRIPTION REQUEST ITEM

Identification

Name	PRESCRIPTION REQUEST ITEM
Metadata Type	Data Group
Identifier	DG-16211
OID	1.2.36.1.2001.1001.101.102.16211

Definition

Definition	Details of the anticipated prescription item.
Definition Source	NEHTA
Synonymous Names	
Notes	This is written by the dispenser from the prescriber instruction.

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIPTION REQUEST	Essential		Single

Children

Data Type	Name	Obligation	Condition	Occurrence
	Therapeutic Good Identification	Essential		Single
	Formula	Optional		Single
	DOSAGE	Optional		Single
	Instructions for Use	Optional		Single
	Quantity of Therapeutic Good	Essential		Single
	Brand Substitute Allowed	Optional		Single

Data Type	Name	Obligation	Condition	Occurrence
T₀₁₀	Medical Benefit Category Type	Optional		Single
T	PBS/RPBS Authority Approval Number	Optional		Single
T	State Authority Number	Optional		Single
T	Additional Comments	Optional		Single

5.2 Therapeutic Good Identification

Identification

Name	Therapeutic Good Identification
Metadata Type	Data Element
Identifier	DE-10194
OID	1.2.36.1.2001.1001.101.103.10194

Definition

Definition	Identifies a therapeutic good, which is broadly defined as a good which is represented in any way to be, or is likely to be taken to be, for therapeutic use (unless specifically excluded or included under Section 7 of the Therapeutic Goods Act 1989). Therapeutic use means use in or in connection with: • preventing, diagnosing, curing or alleviating a disease, ailment, defect or injury; • influencing, inhibiting or modifying a physiological process; • testing the susceptibility of persons to a disease or ailment; • influencing, controlling or preventing conception; • testing for pregnancy; or • replacement or modification of parts of the anatomy.
Definition Source	Therapeutic Goods Administration
Synonymous Names	Item Name
Context	This includes medications and medical devices. It includes drugs, appliances, dressings and reagents.
Context Source	NEHTA
Notes	The formal definition of a therapeutic good (from the Therapeutic Goods Act 1989) can be found at: [TGA2008a].
Data Type	CodeableText
Value Domain	Therapeutic Good Identification Values

Usage

Conditions of Use	Where the therapeutic good can be identified by an AMT (Australian Medicines Terminology) concept, this **MUST** be the AMT ConceptID and Preferred Term. For details see Therapeutic Good Identification Values. For items without an AMT code (including some extemporaneous preparations), a text description is suitable. For a medication this **MUST** include the name of the

	medication (brand name or generic name equivalent), strength and dose form, where appropriate.
Conditions of Use Source	NEHTA
Examples	Some examples of AMT ConceptID and their AMT Preferred Term are:
	1. 293049011000036110, paracetamol 500 mg + codeine phosphate 30 mg tablet
	2. 327004011000036118, paracetamol 500 mg + codeine phosphate 30 mg tablet, 20
	3. 234184011000036115, Panadeine Forte tablet: uncoated, 20 tablets
	4. 192727011000036112, Panadeine Forte (paracetamol 500 mg + codeine phosphate 30 mg) tablet: uncoated, 1 tablet
	5. 278453011000036118, Panadeine Forte tablet: uncoated, 20 tablets, blister pack
	6. 315236011000036113, bandage compression 10 cm x 3.5 m bandage: high stretch, 1 bandage
	7. 186324011000036116, Eloflex (2480) (bandage compression 10 cm x 3.5 m) bandage: high stretch, 1 bandage
Misuse	Detailing the formula of a compounded (extemporaneous) medication.

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
⊢	PRESCRIPTION REQUEST ITEM	Essential		Single

5.3 Therapeutic Good Identification Values

Identification

Name	Therapeutic Good Identification Values
Metadata Type	Value Domain
Identifier	VD-16115
OID	1.2.36.1.2001.1001.101.104.16115

Definition

Definition	The set of values consists of ConceptIDs and Preferred Terms from AMT (Australian Medicines Terminology) concepts which have one of the following modelled relationships: • **IS A** Medicinal Product Unit of Use (MPUU); • **IS A** Medicinal Product Pack (MPP); • **IS A** Trade Product Unit of Use (TPUU); • **IS A** Trade Product Pack (TPP); *or* • **IS A** Containered Trade Product Pack (CTPP). Specifically for MPUU: only MPUU concepts that have no child MPUUs are to be included. Where an MPUU concept is a parent of another MPUU, the parent MPUU is to be omitted.
Definition Source	NEHTA
Notes	An explanation of AMT concepts can be found in Australian Medicines Terminology Editorial Rules [NEHT2009r]. Prescribing and dispensing use different sets of values.

Value Domain

Source	Australian Medicines Terminology

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
T/T₀₁₀	Therapeutic Good Identification	Essential		Single

5.4 Formula

Identification

Name	Formula
Metadata Type	Data Element
Identifier	DE-16272
OID	1.2.36.1.2001.1001.101.103.16272

Definition

Definition	The recipe for compounding a medicine.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Examples	1. BORIC ACID, OLIVE OIL AND ZINC OXIDE (BOZ) Ointment: Boric Acid 1% in Paraffin Ointment B.P. 25 Olive Oil 25 Zinc Oxide Ointment to 100
Misuse	Describing off-the-shelf medications.

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
⊨	PRESCRIPTION REQUEST ITEM	Optional		Single

5.5 DOSAGE

Identification

Name	DOSAGE
Metadata Type	Data Group
Identifier	DG-16007
OID	1.2.36.1.2001.1001.101.102.16007

Definition

Definition	The regimen governing the amount (in a single administration, i.e. dose quantity), the frequency, the route, and the number of doses of a therapeutic agent to be administered to a subject of care.
Definition Source	Based on Mosby's Medical Dictionary, 8th Edition [MOSB2008a].
Synonymous Names	
Scope	This data group is used to provide details of dose instructions for medication dispensing and administration.
Scope Source	NEHTA
Notes	The dosage data group in this release of the SDT is designed to support simple dosage instructions. Clinical input is being sought to modify the data group in order to support more complex dosing instructions such as variable and alternate dosing and multi-component medicines. This is an evolving process and will be supported by the development of an implementation guide outlining how the dosage data group is to be implemented.
	In the meantime, implementers may wish to examine the NHS Dose Syntax Model [NHS2009a]. That model, while different to this data group, provides many similarities.

Usage

Conditions of Use	If the Therapeutic Good is a medication, this is **ESSENTIAL**, otherwise it is **PROHIBITED**.
Conditions of Use Source	NEHTA
Misuse	Using this data group for non-medication items, such as bandages. Instruction on the use of non-medication items can be recorded as text in the Instructions for Use data element.

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIPTION REQUEST ITEM	Optional		Single

Children

Data Type	Name	Obligation	Condition	Occurrence
T	Dose Instruction	Essential		Single

5.6 Dose Instruction

Identification

Name	Dose Instruction
Metadata Type	Data Element
Identifier	DE-16008
OID	1.2.36.1.2001.1001.101.103.16008

Definition

Definition	A description of the dose quantity, frequency, route instruction and cautionary advice that determines how the prescribed therapeutic substance is administered to, or taken by, the subject of care.
Definition Source	NEHTA
Synonymous Names	Dosage Instruction
Data Type	Text

Usage

Conditions of Use	This **SHOULD** include the dose quantity, frequency, route, administration schedule and any additional instructions required to safely describe the appropriate dosage. If appropriate, this **MAY** also include the site of administration.
Conditions of Use Source	NEHTA
Examples	1. One tablet twice a day every 12 hours, before or with the first mouthful of food. 2. Apply thin layer to affected area 3-4 times daily; reassess after 7 days if no response.

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	DOSAGE	Essential		Single

5.7 Instructions for Use

Identification

Name	Instructions for Use
Metadata Type	Data Element
Identifier	DE-16276
OID	1.2.36.1.2001.1001.101.103.16276

Definition

Definition	Directions for the use of a therapeutic good other than a medication.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Conditions of Use	If the Therapeutic Good is a medication, this is **PROHIBITED**, otherwise it is **ESSENTIAL**.
Conditions of Use Source	NEHTA
Examples	1. For use with Spiriva Capsules containing powder for oral inhalation. (About a Spiriva HandiHaler.) 2. Portable Pulse Oximeter measurement to be taken by clipping the sensor onto the tip of a finger.
Misuse	Using this data group for medication items.

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIPTION REQUEST ITEM	Optional		Single

5.8 Quantity of Therapeutic Good

Identification

Name	Quantity of Therapeutic Good
Metadata Type	Data Element
Identifier	DE-10145
OID	1.2.36.1.2001.1001.101.103.10145

Definition

Definition	A statement of the total number of units or physical amount of the therapeutic good that is prescribed.
Definition Source	NEHTA
Synonymous Names	Quantity Prescribed Quantity Ordered Unit of Use Quantity Prescribed
Data Type	Text

Usage

Examples	1. "40 tablets" (In the case of 2 packs of 20 tablets.) 2. "10 vials" (In the case of 1 box of 10 vials of an injection, e.g. Injection 600 micrograms in 10 x 1 mL vials.)

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIPTION REQUEST ITEM	Essential		Single

5.9 Brand Substitute Allowed

Identification

Name	Brand Substitute Allowed
Metadata Type	Data Element
Identifier	DE-10107
OID	1.2.36.1.2001.1001.101.103.10107

Definition

Definition	Indicates whether or not the substitution of a prescribed medication with a different brand name of the same medication, which has been determined as bioequivalent, is allowed when the medication is dispensed/supplied.
Definition Source	NEHTA
Synonymous Names	Allow substitutions
Notes	PBS prescriptions must not be prepared using a computer prescribing program that contains a default which would result in all prescriptions being indicated as Brand Substitution Not Permitted [DHA2009a].
Data Type	Boolean

Usage

Misuse	Using this data element for therapeutic substitution.
	Using this data element for medical appliances.
Default Value	"true"

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
⊢	PRESCRIPTION REQUEST ITEM	Optional		Single

5.10 Medical Benefit Category Type

Identification

Name	Medical Benefit Category Type
Metadata Type	Data Element
Identifier	DE-16095
OID	1.2.36.1.2001.1001.101.103.16095

Definition

Definition	Indicates the category of subsidy appropriate to the item being prescribed.
Definition Source	NEHTA
Synonymous Names	
Notes	This indicates whether the item has been prescribed for a use which attracts a subsidy. Not to be confused with Claim Category Type.
Data Type	CodedText
Value Domain	Medical Benefit Category Type Values

Usage

Examples	

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
⊢	PRESCRIPTION REQUEST ITEM	Optional		Single

5.11 Medical Benefit Category Type Values

Identification

Name	Medical Benefit Category Type Values
Metadata Type	Value Domain
Identifier	VD-16095
OID	1.2.36.1.2001.1001.101.104.16095

Definition

Definition	The set of values of Medical Benefit Category Type.
Definition Source	NEHTA

Value Domain

Source	NEHTA	
Permissible Values	1, PBS	A subsidy under the *Pharmaceutical Benefits Scheme*[1] applies to this item.
	2, RPBS	A subsidy under the *Repatriation Pharmaceutical Benefits Scheme*[2] applies to this item.
	3, CTG	A subsidy under the *Closing the Gap-PBS Co-Payment Measure*[3] applies to this item.
	9, No benefit	This item is not covered by a medical subsidy.

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
T010	Medical Benefit Category Type	Essential		Single

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[1] http://www.medicareaustralia.gov.au/provider/pbs/index.jsp
[2] http://www.dva.gov.au/service_providers/doctors/Pages/rpbs.aspx
[3] http://www.medicareaustralia.gov.au/provider/pbs/pharmacists/closing-the-gap.jsp

5.12 PBS/RPBS Authority Approval Number

Identification

Name	PBS/RPBS Authority Approval Number
Metadata Type	Data Element
Identifier	DE-10159
OID	1.2.36.1.2001.1001.101.103.10159

Definition

Definition	An identification number obtained by the prescriber and included in the prescription to show that the prescription meets agreed prescribing requirements and has authority to prescribe the medication and/or the quantity of the medication.
Definition Source	Medicare Australia
Synonymous Names	
Notes	Each authority prescription requires a unique approval number provided by Medicare Australia or the Department of Veterans' Affairs.
Data Type	Text

Usage

Conditions of Use	Only applicable to PBS and RPBS prescriptions. Not applicable to private prescriptions.
	For PBS prescriptions: Authority prescriptions are required for certain PBS medicines, and where the prescriber feels the patient requires an increased number of repeats or a quantity greater than the maximum listed in the Schedule of Pharmaceutical Benefits.
	For RPBS prescriptions: An authority required approval can be recorded on a script for private items which results in reduced or no out-of-pocket expenses for the patient.
	(Medicare Australia)
	1. This **MUST** be populated if:
	• the Medical Benefit Category type is PBS; and
	• the item is listed as "authority required".
	2. This **MUST NOT** be populated if:
	• the Medical Benefit Category type is PBS; and
	• the item is not listed as "authority required".
	3. This **MUST NOT** be populated if:

	• the Medical Benefit Category type is neither PBS nor RPBS.
Conditions of Use Source	Medicare Australia and NEHTA
Examples	1. Z1234AB (Authority Required) 2. 9876 (Authority Required (Streamlined))

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
⊨	PRESCRIPTION REQUEST ITEM	Optional		Single

5.13 State Authority Number

Identification

Name	State Authority Number
Metadata Type	Data Element
Identifier	DE-16018
OID	1.2.36.1.2001.1001.101.103.16018

Definition

Definition	An identification number issued by an Australian state or territory health authority as proof that the prescriber has obtained written authority to prescribe drugs of dependence for a drug-dependent person, or for the treatment of a person with drug addiction for a period in accordance with State or Territory regulations.
Definition Source	Medicare Australia
Synonymous Names	
Notes	The PBS refers to the requirement to also observe state legislation when prescribing Schedule 8 medicines. Such legislation may require a state-issued authority number. These authority numbers may be required in addition to a PBS/RPBS Authority Approval Number.
Data Type	Text

Usage

Conditions of Use	If state authorisation is required to prescribe this item, this information must be provided in the prescription.
Conditions of Use Source	NEHTA
Examples	1. S18A0812
	2. CNS 123654
	3. S28c 132465
	4. 123658-10-2009
	5. CL/24586
	6. RA/34536

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIPTION REQUEST ITEM	Optional		Single

5.14 Additional Comments

Identification

Name	Additional Comments
Metadata Type	Data Element
Identifier	DE-16044
OID	1.2.36.1.2001.1001.101.103.16044

Definition

Definition	Any additional information that may be needed to ensure the continuity of supply, proper use, or appropriate medication management.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Examples	1. Patient requires an administration aid. 2. Consulted prescriber concerning dose.
Misuse	Use for information that could be recorded as structured data.

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIPTION REQUEST ITEM	Optional		Single

6 Requester Note

6.1 REQUESTER NOTE

Identification

Name	REQUESTER NOTE
Metadata Type	Data Group
Identifier	DG-16212
OID	1.2.36.1.2001.1001.101.102.16212

Definition

Definition	A note from the requester to the prescriber.
Definition Source	NEHTA
Synonymous Names	

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	PRESCRIPTION REQUEST	Optional		Single

Children

Data Type	Name	Obligation	Condition	Occurrence
T	Note	Essential		Single

6.2 Note

Identification

Name	Note
Metadata Type	Data Element
Identifier	DE-16213
OID	1.2.36.1.2001.1001.101.103.16213

Definition

Definition	Free text comments relevant to the prescription request.
Definition Source	NEHTA
Synonymous Names	
Data Type	Text

Usage

Examples	1. Subject of care does not speak English, provide appropriate counselling.
	2. Please deliver to the subject of care, at home.

Relationships

Parents

Data Type	Name	Obligation	Condition	Occurrence
	REQUESTER NOTE	Essential		Single

7 UML Class Diagram

The following figure presents the data hierarchy using a UML 2.0 class diagram. The diagram displays data groups and data elements, together with their names, data types and multiplicities. Data groups are displayed as classes and data elements are displayed as attributes. The diagram shows the data hierarchy excluding the details of participation. The default multiplicity is 1..1.
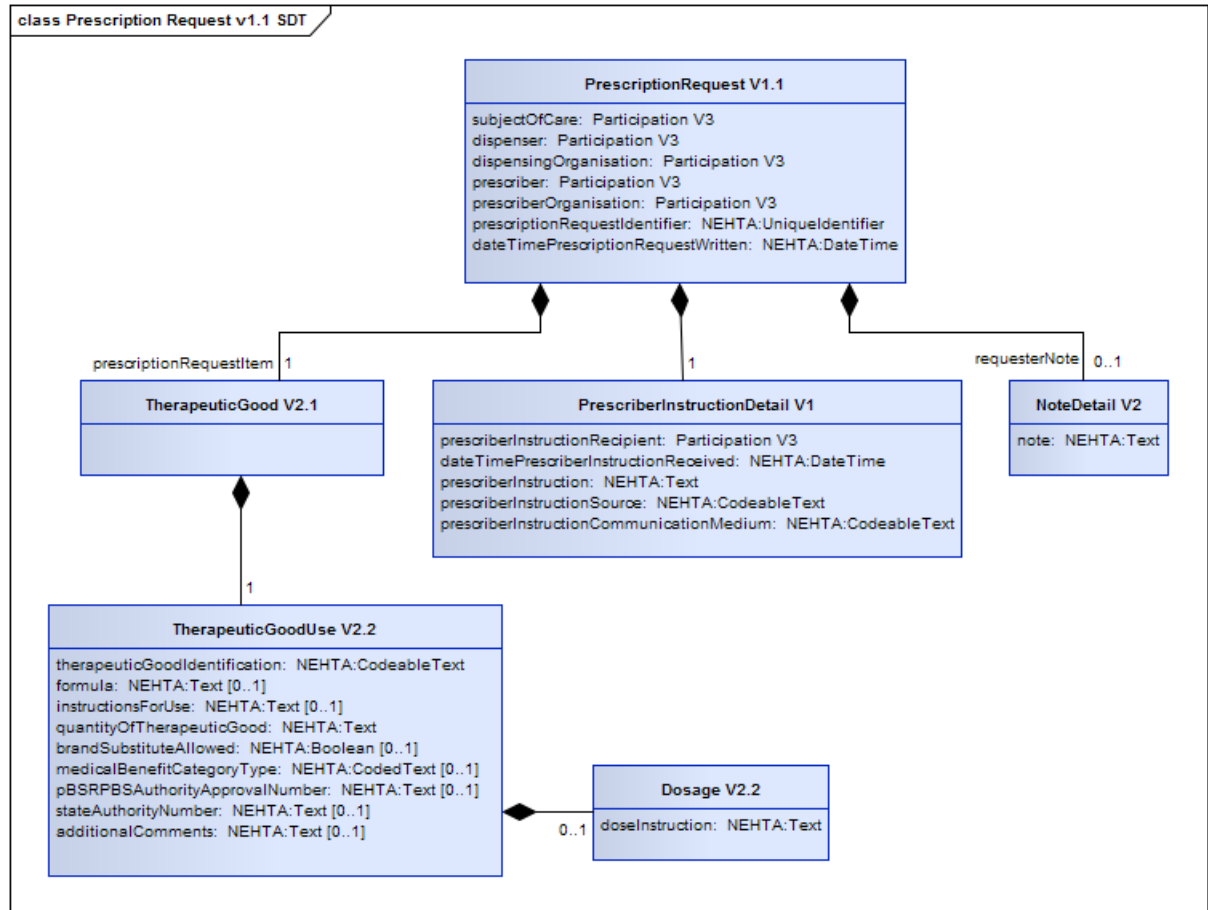
UML class diagram of the Prescription Request data hierarchy.

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Appendix A. Participations

This appendix details the participation data groups used in the Prescription Request SDT. Each participation data group is described with a data hierarchy and a list of value constraints. The data hierarchies have been constrained from the general participation data hierarchy, which is described in Participation Data Specification [NEHT2010i]. The format of the data hierarchy tables is also explained in Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d]. The value constraints have the same form as those in the body of the SDT.

A.1 Subject of Care

This is a reuse of the PARTICIPATION data group, which is described in Participation Data Specification [NEHT2010i].

The following data hierarchy is the result of constraining that data group for Subject of Care. Constraints on data values are listed after the data hierarchy.

Data Hierarchy

|						
PARTICIPATION						
	Participation Type					1..1
	Role					1..1
	Participation Period					0..0
	LOCATION OF PARTICIPATION					0..0
	PARTICIPANT					1..1
		Entity Identifier				1..1
		ADDRESS				1..1
			No Fixed Address Indicator			1..1
			AUSTRALIAN OR INTERNATIONAL ADDRESS			1..1
				INTERNATIONAL ADDRESS		0..1
					International Address Line	0..*
					International State/Province	0..1
					International Postcode	0..1
					Country	0..1

				⊨		AUSTRALIAN ADDRESS	0..1
					T	Unstructured Australian Address Line	0..*
					⊨	STRUCTURED AUSTRALIAN ADDRESS LINE	0..1
						T₀₁₀ Australian Unit Type	0..1
						T Australian Unit Number	0..1
						T Australian Address Site Name	0..1
						T₀₁₀ Australian Level Type	0..1
						T Australian Level Number	0..1
						T Australian Street Number	0..1
						T Australian Lot Number	0..1
						T Australian Street Name	0..1
						T₀₁₀ Australian Street Type	0..1
						T₀₁₀ Australian Street Suffix	0..1
						T₀₁₀ Australian Postal Delivery Type	0..1
						T Australian Postal Delivery Number	0..1
					T/T₀₁₀	Australian Suburb/Town/Locality	0..1
					T₀₁₀	Australian State/Territory	0..1
					T₀₁₀	Australian Postcode	0..1
					ID	Australian Delivery Point Identifier	0..1
			T₀₁₀	Address Purpose			1..1
		⊨	ELECTRONIC COMMUNICATION DETAIL				0..*
		T₀₁₀	Electronic Communication Medium				1..1
		T₀₁₀	Electronic Communication Usage Code				0..1
		T	Electronic Communication Address				1..1

		C		PERSON OR ORGANISATION OR DEVICE			1..1
			⊢	~~DEVICE~~			0..0
			⊢	~~ORGANISATION~~			0..0
			⊢	PERSON			1..1
				⊢	PERSON NAME		1..1
				T₀₁₀	Name Title		0..*
				T	Family Name		1..1
				T	Given Name		0..*
				T₀₁₀	Name Suffix		0..*
				✓✗	Preferred Name Indicator		0..1
				T₀₁₀	Person Name Usage		0..1
				T/T₀₁₀	~~Relationship to Subject of Care~~		0..0
				⊢	~~EMPLOYMENT DETAIL~~		0..0
				⊢	DEMOGRAPHIC DATA		1..1
				T₀₁₀	Sex		1..1
					⊢	DATE OF BIRTH DETAIL	1..1
					🗓	Date of Birth	1..1
					✓✗	Date of Birth is Calculated From Age	0..1
					⊢	DATE OF BIRTH ACCURACY INDICATOR	0..1
						✓✗ Date of Birth Day Accuracy Indicator	1..1
						✓✗ Date of Birth Month Accuracy Indicator	1..1
						✓✗ Date of Birth Year Accuracy Indicator	1..1
					⊢	AGE DETAIL	0..1
					⏳	Age	1..1

					✓✗	Age Accuracy Indicator		0..1
					1₂3	Birth Plurality		0..1
					1₂3	Birth Order		0..1
					⊨	~~DATE OF DEATH DETAIL~~		0..0
					T₀₁₀	~~Source of Death Notification~~		0..0
					T	~~Mothers Original Family Name~~		0..0
					T/T₀₁₀	~~Country of Birth~~		0..0
					T₀₁₀	~~State/Territory of Birth~~		0..0
					T₀₁₀	~~Indigenous Status~~		0..0
		⊨	ENTITLEMENT					0..*
			ID	Entitlement Number				1..1
			T/T₀₁₀	Entitlement Type				1..1
			⊙	Entitlement Validity Duration				0..1
	T	~~Qualifications~~						0..0

Constraints on data values

- Participation Type **MUST** have an implementation specific fixed value meaning "Subject".

- The value of Entity Identifier **MUST** be an Australian IHI.

- ADDRESS **MUST** have an Address Purpose value of "Residential" or "Temporary Accommodation".

- Entitlement Type **MUST** have a value from Subject of Care Entitlement Type Values.

Notes

- The value of Participation Type may be explicit, e.g. recordTarget.typeCode = 'RCT' (Record Target) in HL7 CDA R2, but it may also be implicit in the record structure, e.g. PID segment in HL7 V2. For further information, please see the Participation Type definition in Participation Data Specification [NEHT2010i].

- The value of Role will be an implementation specific value with a meaning of "Patient", "Client" or similar.

- The subject of care's Medicare card number is recorded in ENTITLEMENT, not Entity Identifier.

Appendix B. Participations

This appendix details the participation data groups used in the Prescription Request SDT. Each participation data group is described with a data hierarchy and a list of value constraints. The data hierarchies have been constrained from the general participation data hierarchy, which is described in Participation Data Specification [NEHT2010i]. The format of the data hierarchy tables is also explained in Data Specifications and Structured Document Templates - Guide for Use [NEHT2010d]. The value constraints have the same form as those in the body of the SDT.

B.1 Dispenser

This is a reuse of the PARTICIPATION data group, which is described in Participation Data Specification [NEHT2010i].

The following data hierarchy is the result of constraining that data group for Dispenser. Constraints on data values are listed after the data hierarchy.

Data Hierarchy

PARTICIPATION							
	Participation Type						1..1
	Role						1..1
	Participation Period						0..0
	LOCATION OF PARTICIPATION						0..0
	PARTICIPANT						1..1
		Entity Identifier					1..1
		ADDRESS					0..1
			No Fixed Address Indicator				1..1
			AUSTRALIAN OR INTERNATIONAL ADDRESS				1..1
				INTERNATIONAL ADDRESS			0..0
				AUSTRALIAN ADDRESS			1..1
					Unstructured Australian Address Line		0..*
					STRUCTURED AUSTRALIAN ADDRESS LINE		0..1
						Australian Unit Type	0..1

						Icon	Name	Card
						T	Australian Unit Number	0..1
						T	Australian Address Site Name	0..1
						T010	Australian Level Type	0..1
						T	Australian Level Number	0..1
						T	Australian Street Number	0..1
						T	Australian Lot Number	0..1
						T	Australian Street Name	0..1
						T010	Australian Street Type	0..1
						T010	Australian Street Suffix	0..1
						T010	Australian Postal Delivery Type	0..1
						T	Australian Postal Delivery Number	0..1
					T/T010		Australian Suburb/Town/Locality	0..1
					T010		Australian State/Territory	0..1
					T010		Australian Postcode	0..1
					ID		Australian Delivery Point Identifier	0..1
			T010				Address Purpose	1..1
		⊨					ELECTRONIC COMMUNICATION DETAIL	0..*
		T010					Electronic Communication Medium	1..1
		T010					Electronic Communication Usage Code	0..1
		T					Electronic Communication Address	1..1
	C						PERSON OR ORGANISATION OR DEVICE	1..1
		⊨					~~DEVICE~~	0..0
		⊨					~~ORGANISATION~~	0..0
		⊨					PERSON	1..1

				$\vdash$		PERSON NAME	1..1
					T_{010}	Name Title	0..*
					T	Family Name	1..1
					T	Given Name	0..*
					T_{010}	Name Suffix	0..*
					✓✗	Preferred Name Indicator	0..1
					T_{010}	Person Name Usage	0..1
				T/T₀₁₀		~~Relationship to Subject of Care~~	0..0
				$\vdash$		~~EMPLOYMENT DETAIL~~	0..0
				$\vdash$		DEMOGRAPHIC DATA	1..1
					T_{010}	Sex	1..1
					$\vdash$	DATE OF BIRTH DETAIL	1..1
						🗓 Date of Birth	1..1
						✓✗ ~~Date of Birth is Calculated From Age~~	0..0
						$\vdash$ ~~DATE OF BIRTH ACCURACY INDICATOR~~	0..0
					$\vdash$	~~AGE DETAIL~~	0..0
					1₂3	~~Birth Plurality~~	0..0
					1₂3	~~Birth Order~~	0..0
					$\vdash$	~~DATE OF DEATH DETAIL~~	0..0
					T_{010}	~~Source of Death Notification~~	0..0
					T	~~Mothers Original Family Name~~	0..0
					T/T₀₁₀	~~Country of Birth~~	0..0
					T_{010}	~~State/Territory of Birth~~	0..0
					T_{010}	~~Indigenous Status~~	0..0

			ENTITLEMENT	0..0
		T	Qualifications	0..1

Constraints on data values

- Participation Type **MUST** have an implementation specific fixed value meaning "Dispenser".

- The value of Entity Identifier **MUST** be an Australian HPI-I.

Notes

- The value of Participation Type may be explicit, e.g. author.typeCode = 'AUT' (Author) in HL7 CDA R2, but it may also be implicit in the record structure, e.g. some HL7 V2 segments. For further information, please see the Participation Type definition in Participation Data Specification [NEHT2010i].

- The value of Role will be an implementation specific value with a meaning of "Pharmacist" or a similar occupation.

B.2 Dispensing Organisation

This is a reuse of the PARTICIPATION data group, which is described in Participation Data Specification [NEHT2010i].

The following data hierarchy is the result of constraining that data group for Dispensing Organisation. Constraints on data values are listed after the data hierarchy.

Data Hierarchy

PARTICIPATION							
	Participation Type						1..1
	Role						1..1
	Participation Period						0..0
	LOCATION OF PARTICIPATION						0..0
	PARTICIPANT						1..1
		Entity Identifier					1..1
		ADDRESS					1..1
			No Fixed Address Indicator				1..1
			AUSTRALIAN OR INTERNATIONAL ADDRESS				1..1
				INTERNATIONAL ADDRESS			0..0
				AUSTRALIAN ADDRESS			1..1
					Unstructured Australian Address Line		0..*
					STRUCTURED AUSTRALIAN ADDRESS LINE		0..1
						Australian Unit Type	0..1
						Australian Unit Number	0..1
						Australian Address Site Name	0..1
						Australian Level Type	0..1
						Australian Level Number	0..1
						Australian Street Number	0..1

						T	Australian Lot Number	0..1
						T	Australian Street Name	0..1
						T010	Australian Street Type	0..1
						T010	Australian Street Suffix	0..1
						T010	Australian Postal Delivery Type	0..1
						T	Australian Postal Delivery Number	0..1
					T/T010		Australian Suburb/Town/Locality	0..1
					T010		Australian State/Territory	0..1
					T010		Australian Postcode	0..1
					ID		Australian Delivery Point Identifier	0..1
			T010				Address Purpose	1..1
		⊨					ELECTRONIC COMMUNICATION DETAIL	1..*
		T010					Electronic Communication Medium	1..1
		T010					Electronic Communication Usage Code	0..1
		T					Electronic Communication Address	1..1
	C						PERSON OR ORGANISATION OR DEVICE	1..1
		⊨					~~DEVICE~~	0..0
		⊨					ORGANISATION	1..1
			T				Organisation Name	1..1
			T				Department/Unit	0..1
			T010				Organisation Name Usage	0..1
		⊨					~~PERSON~~	0..0
	⊨						ENTITLEMENT	0..*
		ID					Entitlement Number	1..1

				Entitlement Type	1..1
				Entitlement Validity Duration	0..1
		T		Qualifications	0..0

Constraints on data values

- Participation Type **MUST** have an implementation specific fixed value meaning "Dispensary".

- The value of Entity Identifier **MUST** be an Australian HPI-O.

- ADDRESS **MUST** have an Address Purpose value of "Business".

- If the value of Medical Benefit Category Type is "1" (PBS), "2" (RPBS) or "3" (CTG), exactly one ENTITLEMENT **MUST** have an Entitlement Type with the value "10" (Medicare Prescriber Number).

Notes

- The value of Participation Type may be explicit, e.g. author.typeCode = 'AUT' (Author) in HL7 CDA R2, but it may also be implicit in the record structure, e.g. some HL7 V2 segments. For further information, please see the Participation Type definition in Participation Data Specification [NEHT2010i].

- The value of Role will be an implementation specific value with a meaning of "Pharmacy" or similar.

Appendix C. Participations

This appendix details the participation data groups used in the Prescription Request SDT. Each particip-ation data group is described with a data hierarchy and a list of value constraints. The data hierarchies have been constrained from the general participation data hierarchy, which is described in Participation Data Specification [NEHT2010i]. The format of the data hierarchy tables is also explained in Data Spe-cifications and Structured Document Templates - Guide for Use [NEHT2010d]. The value constraints have the same form as those in the body of the SDT.

C.1 Prescriber

This is a reuse of the PARTICIPATION data group, which is described in Participation Data Specification [NEHT2010i].

The following data hierarchy is the result of constraining that data group for Prescriber. Constraints on data values are listed after the data hierarchy.

Data Hierarchy

PARTICIPATION							
	Participation Type						1..1
	Role						1..1
	Participation Period						0..0
	LOCATION OF PARTICIPATION						0..0
	PARTICIPANT						1..1
		Entity Identifier					1..1
		ADDRESS					0..1
			No Fixed Address Indicator				1..1
			AUSTRALIAN OR INTERNATIONAL ADDRESS				1..1
				INTERNATIONAL ADDRESS			0..0
				AUSTRALIAN ADDRESS			1..1
					Unstructured Australian Address Line		0..*
					STRUCTURED AUSTRALIAN ADDRESS LINE		0..1
						Australian Unit Type	0..1

						T	Australian Unit Number	0..1
						T	Australian Address Site Name	0..1
						T010	Australian Level Type	0..1
						T	Australian Level Number	0..1
						T	Australian Street Number	0..1
						T	Australian Lot Number	0..1
						T	Australian Street Name	0..1
						T010	Australian Street Type	0..1
						T010	Australian Street Suffix	0..1
						T010	Australian Postal Delivery Type	0..1
						T	Australian Postal Delivery Number	0..1
					T/T010	Australian Suburb/Town/Locality		0..1
					T010	Australian State/Territory		0..1
					T010	Australian Postcode		0..1
					ID	Australian Delivery Point Identifier		0..1
			T010	Address Purpose				1..1
		⊨	ELECTRONIC COMMUNICATION DETAIL					0..*
		T010	Electronic Communication Medium					1..1
		T010	Electronic Communication Usage Code					0..1
		T	Electronic Communication Address					1..1
	C	PERSON OR ORGANISATION OR DEVICE						1..1
		⊨	~~DEVICE~~					0..0
		⊨	~~ORGANISATION~~					0..0
		⊨	PERSON					1..1

				⚑	PERSON NAME		1..1
				T₀₁₀	Name Title		0..*
				T	Family Name		1..1
				T	Given Name		0..*
				T₀₁₀	Name Suffix		0..*
				✓✗	Preferred Name Indicator		0..1
				T₀₁₀	Person Name Usage		0..1
				T/T₀₁₀	~~Relationship to Subject of Care~~		0..0
				⚑	EMPLOYMENT DETAIL		0..1
				⚑	~~EMPLOYER ORGANISATION~~		0..0
				T₀₁₀	~~Employment Type~~		0..0
				T/T₀₁₀	Occupation		1..*
				T/T₀₁₀	~~Position in Organisation~~		0..0
				⚑	DEMOGRAPHIC DATA		1..1
				T₀₁₀	Sex		1..1
				⚑	DATE OF BIRTH DETAIL		1..1
					📅	Date of Birth	1..1
					✓✗	~~Date of Birth is Calculated From Age~~	0..0
					⚑	~~DATE OF BIRTH ACCURACY INDICATOR~~	0..0
				⚑	~~AGE DETAIL~~		0..0
				1₂3	~~Birth Plurality~~		0..0
				1₂3	~~Birth Order~~		0..0
				⚑	~~DATE OF DEATH DETAIL~~		0..0
				T₀₁₀	~~Source of Death Notification~~		0..0

					T	Mothers Original Family Name	0..0
					T/T₀₁₀	Country of Birth	0..0
					T₀₁₀	State/Territory of Birth	0..0
					T₀₁₀	Indigenous Status	0..0
		⊨	ENTITLEMENT				0..*
			ID	Entitlement Number			1..1
			T/T₀₁₀	Entitlement Type			1..1
			🕐	Entitlement Validity Duration			0..1
		T	Qualifications				0..1

Constraints on data values

• Participation Type **MUST** have an implementation specific fixed value meaning "Prescriber".

• The value of Entity Identifier **MUST** be an Australian HPI-I.

• If the value of Medical Benefit Category Type is "1" (PBS), "2" (RPBS) or "3" (CTG), exactly one ENTITLEMENT **MUST** have an Entitlement Type with the value "10" (Medicare Prescriber Number).

Notes

• The value of Participation Type may be explicit, e.g. author.typeCode = 'AUT' (Author) in HL7 CDA R2, but it may also be implicit in the record structure, e.g. some HL7 V2 segments. For further information, please see the Participation Type definition in Participation Data Specification [NEHT2010i].

• The value of Role will be an implementation specific value with a meaning of "General Practitioner", "Dermatologist" or a similar occupation.

C.2 Prescriber Organisation

This is a reuse of the PARTICIPATION data group, which is described in Participation Data Specification [NEHT2010i].

The following data hierarchy is the result of constraining that data group for Prescriber Organisation. Constraints on data values are listed after the data hierarchy.

Data Hierarchy

PARTICIPATION							
	Participation Type						1..1
	Role						1..1
	Participation Period						0..0
	LOCATION OF PARTICIPATION						0..0
	PARTICIPANT						1..1
		Entity Identifier					1..1
		ADDRESS					1..1
			No Fixed Address Indicator				1..1
			AUSTRALIAN OR INTERNATIONAL ADDRESS				1..1
				INTERNATIONAL ADDRESS			0..0
				AUSTRALIAN ADDRESS			1..1
					Unstructured Australian Address Line		0..*
					STRUCTURED AUSTRALIAN ADDRESS LINE		0..1
						Australian Unit Type	0..1
						Australian Unit Number	0..1
						Australian Address Site Name	0..1
						Australian Level Type	0..1
						Australian Level Number	0..1
						Australian Street Number	0..1

						T	Australian Lot Number		0..1
						T	Australian Street Name		0..1
						T010	Australian Street Type		0..1
						T010	Australian Street Suffix		0..1
						T010	Australian Postal Delivery Type		0..1
						T	Australian Postal Delivery Number		0..1
					T/T010		Australian Suburb/Town/Locality		0..1
					T010		Australian State/Territory		0..1
					T010		Australian Postcode		0..1
					ID		Australian Delivery Point Identifier		0..1
				T010			Address Purpose		1..1
			⊨				ELECTRONIC COMMUNICATION DETAIL		1..*
			T010				Electronic Communication Medium		1..1
			T010				Electronic Communication Usage Code		0..1
			T				Electronic Communication Address		1..1
		C					PERSON OR ORGANISATION OR DEVICE		1..1
			⊨				~~DEVICE~~		0..0
			⊨				ORGANISATION		1..1
				T			Organisation Name		1..1
				T			Department/Unit		0..1
				T010			Organisation Name Usage		0..1
			⊨				~~PERSON~~		0..0
		⊨					~~ENTITLEMENT~~		0..0
		T					~~Qualifications~~		0..0

Constraints on data values

- Participation Type **MUST** have an implementation specific fixed value meaning "Healthcare Facility".

- The value of Entity Identifier **MUST** be an Australian HPI-O.

- ADDRESS **MUST** have an Address Purpose value of "Business".

- A least one ELECTRONIC COMMUNICATION DETAIL **MUST** have an Electronic Communication Medium value of "Telephone" or "Mobile".

Notes

- The value of Participation Type may be explicit, e.g. author.typeCode = 'AUT' (Author) in HL7 CDA R2, but it may also be implicit in the record structure, e.g. some HL7 V2 segments. For further information, please see the Participation Type definition in Participation Data Specification [NEHT2010i].

- The value of Role will be an implementation specific value with a meaning of "General Practice Clinic", "Dental Surgery" or similar.

Appendix D. Log of Changes

These are the main changes since Prescription Request SDT Version 1.0.

Issue ID	Requested Change/Feedback	Location/Change Made
CIM-609	The dispensing information data group is poorly defined.	The data group DISPENSING INFORMATION has been removed, but all of its data elements have been retained.
CIM-613	Add the matrix mapping from the information requirements to the SDT.	The appendix F: *Mappings from requirements* has been added.
CIM-616	• Appendices B1 and C1 do not match the body of the SDT. • Standardise the presentation of known issues and changes.	• Altered the appendix entries for the Dispenser and Prescriber data hierarchies to match the body of the SDT. • The appendices E: *Known Issues* and D: *Log of Changes* have been added.
CIM-619	Add support for closing the gap eligibility.	The data element PBS/RPBS Benefit Category Type was renamed to Medical Benefit Category Type. There were associated changes to its definition and the addition of an extra value.

Issue ID	Requested Change/Feedback	Location/Change Made
CIM-664	Medicare prescriber number is not required for private prescriptions.	The following constraints on the data group ENTITLEMENT in PRESCRIBER have been dropped: • ENTITLEMENT is **ESSENTIAL**. • There **MUST** be one ENTITLEMENT with a Medicare Prescriber Number as its value. The following constraint on the data group ENTITLEMENT in PRESCRIBER has been added: • A Medicare prescription **MUST** have one ENTITLEMENT with a Medicare Prescriber Number as its value. A private prescription **MAY** have one ENTITLEMENT with a Medicare Prescriber Number as its value. The following constraint on the data group ENTITLEMENT in both DISPENSER and PRESCRIBER INSTRUCTION RECIPIENT has been dropped: • ENTITLEMENT is **ESSENTIAL**. The following constraint on the data group ENTITLEMENT in both DISPENSER and PRESCRIBER INSTRUCTION RECIPIENT has been added: • ENTITLEMENT is **PROHIBITED**. The following constraint on the data group ENTITLEMENT in DISPENSING ORGANISATION has been dropped: • If Claim Category Type has a value other than "No benefit", then one ENTITLEMENT **MUST** have a Medicare Pharmacy Approval Number as its value. The following constraints on the data group ENTITLEMENT in DISPENSING ORGANISATION have been added: • A Medicare prescription **MUST** have one ENTITLEMENT with a Medicare Pharmacy Approval Number as its value. A private prescription **MAY** have one ENTITLEMENT with a Medicare Pharmacy Approval Number as its value. • There **MAY** be additional ENTITLEMENTs, but they **MUST NOT** have a Medicare Pharmacy Approval Number as a value.
CIM-682	Replace value of Participation Type in PRESCRIBER ORGANISATION.	The constraint on the value of the data element Participation Type in the data group PRESCRIBER ORGANISATION is now: • Participation Type **MUST** have an implementation specific fixed value meaning "Healthcare Facility".

Appendix E. Known Issues

This appendix lists known issues with this specification at the time of publishing. NEHTA are working on solutions to these issues, but we encourage and invite comments to further assist the development of these solutions.

Reference	Description
DOSAGE	The DOSAGE data group in this release of the SDT does not support the clinical coding of dosage instructions. Clinical input is being sought to develop a clinical coding model for dosing instructions that supports both simple and complex dosing instructions such as variable and alternate dosing and multi-component medicines.
The word **MUST** in Conditions of Use	In conformance statements this document uses the term **MUST** in place of NEHTA's preferred term **SHALL**.
Participation Type and Role	The data elements Participation Type and Role (used in the in the Participation data groups SUBJECT OF CARE, DISPENSER, DISPENSING ORGANISATION, PRESCRIBER, PRESCRIBER ORGANISATION and PRESCRIBER INSTRUCTION RECIPIENT) do not have defined value domains.
Prescriber Instruction Source	The data element Prescriber Instruction Source does not have a defined value domain.
Value domains	The following data elements have value domains which have not yet been published: • Medical Benefit Category Type, and • Prescriber Instruction Communication Medium • Entitlement Type (used in the in the Participation data groups SUBJECT OF CARE, DISPENSING ORGANISATION, PRESCRIBER and PRESCRIBER INSTRUCTION RECIPIENT) It is expected that the list of values in this document will be released as part of SNOMED CT®-AU [1] with no additions or omissions.

[1] SNOMED CT® is a registered trademark of the International Health Terminology Standards Development Organisation.

Appendix F. Mappings from requirements

This appendix lists data elements from Detailed Requirements Definition - ETP Release 1.1 [NEHT2010u] and matches them to their associated data elements in this SDT. Some data elements are managed in the messaging layer.

Requirement Package	Requirement	Id	SDT Data Element
Clinical Information Metadata	Clinical Payload Identifier	4390	*none - messaging layer*
	Consumer Endpoint Identifier - Individual	4391	*none - messaging layer*
	Consumer Endpoint Identifier - Organisation	4392	*none - messaging layer*
	Creation Date and Time	4393	*none - messaging layer*
	Creator Digital Signature	4394	*none - messaging layer*
	Expiry Date and Time	4397	*none - messaging layer*
	Information Flow Correlation Identifier	4398	*none - messaging layer*
	Information Flow Identifier	4399	*none - messaging layer*
	Sender Endpoint Identifier - Individual	4395	*none - messaging layer*
	Sender Endpoint Identifier - Organisation	4396	*none - messaging layer*
	Sender Software	4623	*none - messaging layer*
Dispenser	Dispenser Identifier	4462	DI Entity Identifier
	Family Name	4459	DI Family Name
	Given Name	4460	DI Given Name
	Healthcare Provider Qualification	4463	DI Qualifications
	Title	4461	DI Name Title
Dispenser Organisation	Address	4465	DO AUSTRALIAN ADDRESS
	Dispenser Organisation Approval Number	4511	DO ENTITLEMENT
	Dispenser Organisation Contact	4468	DO ELECTRONIC COMMUNICATION DETAIL
	Dispenser Organisation Identifier	4466	DO Entity Identifier
Prescriber	Family Name	4420	PR Family Name
	Given Names	4421	PR Given Name
	Healthcare Provider Field of Practice	4425	PR Occupation
	Healthcare Provider Qualification	4426	PR Qualifications
	Prescriber Identifier	4423	PR Entity Identifier

Requirement Package	Requirement	Id	SDT Data Element
	Prescriber Number	4419	PR ENTITLEMENT
	Title	4422	PR Name Title
Prescriber Instruction	Authority	4446	Prescriber Instruction
	Prescriber Instruction Content	4491	Prescriber Instruction
	Prescriber Instruction Received Date & Time	4489	DateTime Prescriber Instruction Received
	Prescriber Instruction Reference	4490	Prescriber Instruction Source Prescriber Instruction Communication Medium
	Prescriber Instruction Type	4492	Prescriber Instruction Source Prescriber Instruction Communication Medium
Prescriber Organisation	Address	4430	PO AUSTRALIAN ADDRESS
	Prescriber Organisation Contact	4434	PO ELECTRONIC COMMUNICATION DETAIL
	Prescriber Organisation Identifier	4432	PO Entity Identifier
Prescription	Authority	4446	PBS/RPBS Authority Approval Number State Authority Number
	Brand Substitution	4455	Brand Substitute Allowed
	Deliver to Location	4625	Note
	Dosage	4449	Dosage Instructions for Use
	Expiry Date	4441	DateTime Prescription Expires
	Medication	4448	Therapeutic Good Identification Formula
	Note	4443	Additional Comments
	Packing Instruction	4907	Additional Comments
	PBS Benefit Category	4447	Medical Benefit Category Type
	Prescription Identifier	4442	Prescription Identifier
	Quantity	4451	Quantity of Therapeutic Good
	Reason for Medication	4450	Reason for Therapeutic Good
	Regulation 24	4454	Grounds for Concurrent Supply
	Safety Net Entitlement	4444	SOC ENTITLEMENT
	Start Date	4440	DateTime Prescription Written
	Therapeutic Substitution	4652	Additional Comments
	CTG Eligible	5826	Medical Benefit Category Type

Requirement Package	Requirement	Id	SDT Data Element
Request for Prescription	Dispenser Note to Prescriber	4496	Note
Subject of Care	Age	4416	SOC Age
	Australian Address	4417	SOC AUSTRALIAN OR INTERNATIONAL ADDRESS
	Date of Birth	4415	SOC Date of Birth
	Entitlement Card	4414	SOC ENTITLEMENT
	Family Name	4407	SOC Family Name
	Given Names	4408	SOC Given Name
	Subject of Care Identifier	4406	SOC Entity Identifier
	Title	4409	SOC Name Title
	Sex	5821	SOC Sex

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