nehta

Clinical Package Validator 2.3 Installation and Configuration Guide

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The Clinical Package Validator does not test software against all conformance requirements.

Results from the Clinical Package Validator must not be relied upon to determine software conformity. Vendors must run additional tests on software before declaring software conformance to the PCEHR System Operator.

Refer to the Clinical Package Validator Release Note *for information about the scope of this tool, and the NEHTA Non-Production Disclaimer for appropriate use of the tool.*

For further guidance, contact the NEHTA Help Centre on 1300 901 001 or <u>help@nehta.gov.au</u>.

National E-Health Transition Authority Ltd

Level 25 56 Pitt Street Sydney, NSW, 2000 Australia www.nehta.gov.au

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Document information

Key information

Owner	Head of	of Delivery
Contact for enquiries	NEHTA	A Help Centre
	t:	1300 901 001
	e:	<u>help@nehta.gov.au</u>

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2.2	-	Not published.
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1 Introduction

1.1 Purpose

This document describes how to install and configure version 2.3 of the Clinical Package Validator ("the Validator"). The Validator has been created to help software developers determine whether their healthcare software system produces certain clinical documents that conform to clinical document specifications, and clinical packages that conform to clinical package specifications.

The Validator does not test all conformance specifications and you must read the Release Note for the Validator carefully which indicates what is out of scope, and therefore what additional tests you will need to run to determine if a clinical document conforms to clinical document specifications.

1.2 Intended audience

This document is intended for:

- testers who use the Validator to assist them in assessing whether their healthcare software system produces clinical documents that conform to some clinical document specifications, and clinical packages that conform to some clinical package specifications;
- developers who use the Validator to provide quick feedback during software development; and
- administrators who need to install the Validator for other users.

The Validator does not test all conformance specifications and you must carefully read the Release Note for the Validator which indicates what is out of scope.

1.3 Scope

This document describes the system requirements, administrator rights, and supporting software needed for installing the Validator. It also describes how to install and configure the Validator.

1.4 Overview

The Validator is a tool that can assist testing of whether a healthcare software system is producing clinical documents that conform to the relevant Clinical Document Architecture (CDA[®]) implementation guide, structured content specification, and PCEHR conformance profile specification. It is not comprehensive. In addition, the Validator tests some terminology codes in clinical documents, and runs some clinical package tests to determine whether they conform to some packaging specifications.

The Validator applies limited template validation to:

- the following clinical documents created by clinical information systems and contracted service provider systems:
 - birth details, child parent questionnaires, consumer entered achievements, consumer entered measurements, discharge

summaries, eHealth diagnostic imaging reports, eHealth dispense records, eHealth pathology reports, eHealth prescription records, eReferrals, event summaries, health check assessments, shared health summaries, and specialist letters.

- the following clinical documents created by consumer portals:
 - \circ $\;$ advance care directive custodian documents, personal health notes, and personal health summaries.
- the following clinical documents created by Medicare repositories:
 - Australian childhood immunisation register reports, Australian organ donor register reports, Medicare Department of Veterans' Affairs (DVA) benefits reports, and pharmaceutical benefits reports.
- the following clinical documents created by the PCEHR system:
 - eHealth prescription and dispense views, health check schedule views, Medicare overviews, and observation views.

2 Before you begin

2.1 **Prerequisites**

Before installing and configuring the Validator, you must have:

- administrator rights to your PC;
- Windows XP, Windows Vista, Windows 7 or Windows 8;
- 2GB minimum memory;
- 4GB recommended memory; and
- 1GB minimum disk space free.

If the following software is not already installed on your computer and your computer does not use Windows 8, it will be automatically installed during the installation of the Validator (Section 3):

- .NET Framework 4.0 or a later version; and
- Microsoft SQL Server Compact 3.5 Service Pack 2 for Windows Desktop.

If your computer uses Windows 8, Microsoft SQL Server will need to be installed manually (Section 3.2).

Version 2.3 of the Validator allows more than one version of the software to operate on the same computer (Section 2.2). It is now no longer necessary for a user to uninstall previous versions of the Validator.

A NASH test certificate must be installed before a user can access template packages in the PCEHR software vendor test (SVT) environment (Section 2.3).

You must also be aware that the Validator runs only a subset of the complete set of tests you must run to validate whether a document is conformant with the clinical document specifications.

2.2 Uninstall an earlier version of the Validator

Version 2.3 of the Validator allows more than one version of the software to operate on the same computer, so there is now no longer a need to uninstall earlier versions of the Validator.

Follow the steps below if an earlier version of the Validator is already installed and you want to remove it, otherwise go to Section 2.3.

1 If an earlier version of the Validator is already installed, select **Uninstall a program** from the Windows Control Panel.



2 Select the version of the Validator to be uninstalled and then select **Uninstall**.

File Edit View Tools Help							
Control Panel Home View installed updates Turn Windows features on or		hange a program gram, select it from the list and then	click Uninstall, Change, or Rep.	air.			
off	Organize 🔻 Unins	stall Change Repair				8== ▼	0
Install a program from the network	Name	×	Publisher	Installed On	Size	Version	
	Microsoft Visual C	++ 2008 Redistributable - x86 9.0.3	Microsoft Corporation	6/04/2011	596 KB	9.0.30729	
	Microsoft Visual C	++ 2008 Redistributable - x86 9.0.3	Microsoft Corporation	4/04/2012	588 KB	9.0.30729.4148	
	Microsoft Visual C	++ 2010 x86 Redistributable - 10.0	Microsoft Corporation	6/03/2014	918 KB	10.0.40219	
	Mozilla Firefox 31.0) (x86 en-GB)	Mozilla	25/07/2014	75.7 MB	31.0	
	📸 Mozilla Maintenan	ce Service	Mozilla	7/05/2014	341 KB	29.0	
	📋 NEHTA CDA Valida	ator	Nehta	29/07/2014	244 MB	2.0	
	NICI (Shared) U.S./	Worldwide (128 bit) (2.7.6-1)		30/03/2012			
	Novell CASA Auth	entication Token Client	Novell, Inc.	30/03/2011	829 KB	1.7.1630	
	la NVIDIA Display Co	ntrol Panel	NVIDIA Corporation	11/04/2011	129 MB	6.14.12.6128	
	langle NVIDIA Drivers		NVIDIA Corporation	11/04/2011	63.0 MB	1.10.62.40	
	NVIDIA nView Des	ktop Manager	NVIDIA Corporation	11/04/2011		6.14.10.13550	
	DOCUD D A			0/07/2014		10100	

Note: The **Uninstall** option may be selected from the menu, or found by clicking the right mouse button.

3 If the following security screen appears, select **Yes** to allow the Uninstall process to proceed.

		to allow the following program from an plisher to make changes to this computer
	Program name: Publisher: File origin:	C:\Windows\Installer\5048d7a.msi Unknown Hard drive on this computer
🕑 s	how details	Yes No

4 The uninstall process will continue to completion.

End

2.3 Install a NASH test certificate

As an alternative to importing template packages from the NEHTA website, the Validator allows a user to import some template packages from the PCEHR software vendor test environment, provided a valid NASH test certificate has already been installed.¹

Follow the steps below to install a NASH test certificate, otherwise go to Section 3.

1 Navigate to the folder that contains your NASH test certificates.

							X
🚱 🔵 🗢 📕 ► Certificate	_		• *	Search Certificate			P
File Edit View Tools Help							
Organize 👻 Include in library 👻 Share with 💌 Burn	New	folder					0
☆ Favorites	-	Name	Date modified	Туре	Size		
🚺 Downloads	ш	🛃 8003629900019338-20170501 (For Testing)	1/05/2015 12:06 PM	Personal Informati.		6 KB	
Sector Recent Places							
🧮 Desktop (2)							
	-						

Note. If you do not have any NASH test certificates, contact the Department of Human Services Online Technical Support helpdesk: <u>otsliaison@humanservices.gov.au</u>.

¹ The Validator can apply any template package. A template package is something that meets the requirements in the *PCEHR Template Service - Template Package Technical Specification v1.0*, available from: <u>https://www.nehta.gov.au/implementation-resources/national-infrastructure/EP-1514-2012/NEHTA-1042-2012</u>

2 Double-click the relevant certificate to launch the Certificate Import Wizard and select **Next**.



3 Select Next.



4 Enter the password and select **Next**.

Certificate Import Wizard
Password
To maintain security, the private key was protected with a password.
Type the password for the private key.
Password:
••••••
private key is used by an application if you enable this option. Mark this key as exportable. This will allow you to back up or transport your keys at a later time. Include all extended properties.
Learn more about <u>protecting private keys</u>
< Back Next > Cancel

5 Select Next.

Certificate Store Certificate stores are system areas where certificates are kept.		
Windows cap automatically color	ct a certificate store, or you can specify a location for	
the certificate.	t a ceruitate store, or you can specify a locator for	
Automatically select the c	ertificate store based on the type of certificate	
Place all certificates in the	following store	
Certificate store:		
	Browse	
are more shout contificate stars		
earn more about <u>certificate stores</u>		
	\sim	
	< Back Next > Can	

6 Select **Finish**.

Certificate Import Wizard		X
	Completing the C Wizard The certificate will be impor	Certificate Import ted after you click Finish.
	You have specified the folk Certificate Store Selected Content File Name	wing settings: Automatically determined by t PFX C:\temp\8003629900019338-
	<	•
	< Back	Finish Cancel

Note: You may need to restart your computer so that the Validator can detect the newly installed NASH test certificate.

3 Install the Validator and prerequisite software

3.1 Install version 2.3 of the Validator

This procedure requires that .NET Framework 4.0 (or a later version) and Microsoft SQL Server Compact 3.5 Service Pack 2 for Windows Desktop are installed. If this software is not already installed on your computer and your computer does not use Windows 8, it will be automatically installed during the installation of the Validator. If your computer uses Windows 8, Microsoft SQL Server will need to be installed manually (Section 3.2).

To install the Validator, follow the steps below.

 Locate the Clinical Package Validator 2.3 Install.exe file and the ISSetupPrerequisites folder within the expanded .ZIP file that contained this guide. Save the Clinical Package Validator 2.3 Install.exe file and the ISSetupPrerequisites folder to a preferred location on a local drive (e.g. C:\temp).

Note: The Validator installation may not work from a network drive. **Note:** The **Clinical Package Validator 2.3 Install.exe** file and the **ISSetupPrerequisites** folder must be co-located.

Note: The **ISSetupPrerequisites** folder contains prerequisite software that will be installed along with the Validator if the prerequisite software is not already installed on your computer.

2 Open Windows Explorer and navigate to the **Clinical Package Validator 2.3 Install.exe** file. Double-click the file to install the software.



3 **Note:** Windows may mark files downloaded from the Internet as 'Blocked'. This prevents the Validator from running.

To unblock a file, right click on it and select **Properties**, then select **Unblock** in the 'General tab' followed by **OK**.

4 Once the file is unblocked, continue installing the Validator by once again double clicking the **Clinical Package Validator 2.3 Install.exe** file.

5 The InstallShield Wizard will open.

NEHTA Clinical Package Validat	tor - InstallShield Wizard (Not Responding)
	Preparing to Install
O	NEHTA Clinical Package Validator Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
R Sol Res	Extracting: Clinical Package Validator.msi
	Cancel

6 The Validator installation script will check for the presence of the prerequisite software. A message is displayed if any prerequisite software needs to be installed. To continue select **Install**.

Status	Requirement
-	Microsoft .NET Framework 4.0 Full Microsoft SQL CE 3.5 x86
-	Microsoft SQL CE 3.5 x66

7 The prerequisite software will be installed.

	HTA Clinical Package Validator requires the following items to be installed on your nputer. Click Install to begin installing these requirements.
_	
Status	Requirement
Installing	Microsoft .NET Framework 4.0 Full
Pending	Microsoft SQL CE 3.5 x86
Pending	Microsoft SQL CE 3.5 x64
nstalling Mi	crosoft .NET Framework 4.0 Full

8



9 The default install location is C:\Nehta\CPV23\. To change the install location, select the Change button and choose another location on the C: drive, if preferred.
 Once the preferred install location is chosen, select Next.

闄 NEHTA C	Clinical Package Validator - InstallShield Wizard
	ion Folder t to install to this folder, or click Change to install to a different folder.
	Install NEHTA Clinical Package Validator to: C:\Wehta\CPV23\
InstallShield -	< Back Next > Cancel

10 Select **Install**.

	D Install the Program ard is ready to begin installation.
	vant to review or change any of your installation settings, click Back. Click Cancel wizard.
Current	Settings:
Setup	Type:
Ту	pical
Destin	ation Folder:
C:	Nehta\CPV23\
User Ir	formation:
Na	me: nehta
Co	mpany:

11 If the following security screen appears, select **Yes** to allow the installation to proceed.



12 The Validator will start installing.

	NEHTA Clinical Package Validator gram features you selected are being installed.
1	Please wait while the InstallShield Wizard installs NEHTA Clinical Package Validator. This may take several minutes.
	Status:
InstallShield -	<back next=""> Cancel</back>

13 Once the Validator installation is complete, select **Finish**.

闄 NEHTA Clinical Package Vali	dator - InstallShield Wizard
	InstallShield Wizard Completed
eHealth	The InstallShield Wizard has successfully installed NEHTA Clinical Package Validator. Click Finish to exit the wizard.
nehta National E-Health Transition Authority	
	< Back Finish Cancel

The Validator is now installed.

Note: During the installation process the Clinical Package Validator 2.3 installation script will determine whether the prerequisite software is already installed on the computer. If the software is not already installed, the Clinical Package Validator 2.3 installation script will run the additional installation scripts in the **ISSetupPrerequisites** folder to install the prerequisite software.

However, if the operating system is Windows 8, the Clinical Package Validator 2.3 installation script will be unable to detect if Microsoft SQL Server Compact 3.5 Service Pack 2 for Windows Desktop is already installed, and the following message is displayed.



If the above message is displayed, go to Section 3.2. If the above message is not displayed, go to Section 4.

3.2 Manually install Microsoft SQL Server Compact 3.5 Service Pack 2 for Windows Desktop

The Microsoft SQL Server Compact 3.5 Service Pack 2 for Windows Desktop is the software used by the Validator to store terminology datasets. If it is not already present on the computer, it is automatically installed by the Validator, unless the operating system is Windows 8 in which case it must be installed manually.

To manually install Microsoft SQL Server, follow the steps below.

- 1 Select the **SSCERuntime_x86-ENU.msi** installation script in the ISSetupPrerequisites\{B1165B38-CA52-11E0-A63D-7C004824019B} folder.
- 2 When the following screen appears, select **Next**.



3 If you accept the license agreement terms, select **I accept the terms in the license agreement** and then select **Next**.



4 To install the software select **Install**.

Ready to Install the Program Setup is ready to begin installation. Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit Setup. Installation Path C:\Program Files (x86)\Wicrosoft SQL Server Compact Edition\	Setup is ready to begin installation. Click Install to begin the installation. If you want to review or change any of your installation settings, dick Back. Click Cancel to exit Setup. Installation Path	1	Microsoft SQL Serv	er Compact 3.5	SP2 ENU	×
If you want to review or change any of your installation settings, click Back. Click Cancel to exit Setup.	If you want to review or change any of your installation settings, click Back. Click Cancel to exit Setup. Installation Path C:\Program Files (x86)\Microsoft SQL Server Compact Edition\	-	-			
exit Setup.	exit Setup. Installation Path C:\Program Files (x86)\Microsoft SQL Server Compact Edition\	Click Install	to begin the installation.			
	C:\Program Files (x86)\Microsoft SQL Server Compact Edition\		to review or change any of yo	ur installation setting	s, dick Back. Click	Cancel to
	< Back Install Cancel					

5 If the following message is displayed select **Yes**.

•	User Account Control
2	Do you want to allow the following program to install software on this computer?
	Program name: SQL Server Compact 3.5 SP2 Verified publisher: Microsoft Corporation File origin: Hard drive on this computer
🕑 s	how <u>d</u> etails <u>Y</u> es <u>N</u> o
	Change when these notifications appear

6 To end the installation process select **Finish**.

🗒 M	crosoft SQL Server Compact 3.5 SP2 ENU
	Completing the Microsoft SQL Server Compact Setup
	Setup has installed Microsoft SQL Server Compact successfully. Click Finish to exit.
	Einish

7 If the computer uses a 64-bit operating system, an additional installation script needs to be applied.

Select the **SSCERuntime_x64-ENU.msi** installation script in the ISSetupPrerequisites\{B9E5C848-CA52-11E0-9D02-80004824019B} folder and follow the steps to complete the installation process.

4 Configure the Validator

4.1 Select template packages

The Validator uses template packages to assess whether some clinical documents conform to published specifications. Template packages include schema and Schematron rules.

The Validator needs a template for each type of clinical document that is in scope for the Validator to test and for each level of conformance. As templates are revised, more than one template may exist for a specific clinical document type and conformance level. Testers should use the most recent version of a template unless there is a reason for choosing an earlier version (e.g. if healthcare software with access to the PCEHR system is revised, then it may be less risk to continue using the template rather than a new version).

The Validator does not test all conformance specifications. Please refer to the Validator Release Note for further information about exclusions and the Non-Production Disclaimer.

Template packages may be obtained by:

- 1 downloading the template packages from the NEHTA website and importing them into the Validator; or
- 2 importing the template packages from the PCEHR software vendor test environment into the Validator.

For either option, the clinical documents template package directory on the NEHTA website should be viewed to determine which version of the template packages should be used.

To view the clinical documents template package directory, follow the steps below.

1	Download the clinical documents template package directory from the <u>NEHTA website²</u>
	and save a copy.

Note: If the webpage for the template package directory states that a newer version is available, download the newest version.

Read the 'usage instructions' worksheet in the template package directory spreadsheet and determine from the 'directory' worksheet the template package identifier and version number to use.
 Note: An 'HPIIRelaxed' template package may only be used to upload documents to the PCEHR system with the permission of the PCEHR system operator.

² <u>https://www.nehta.gov.au/implementation-resources/clinical-documents/EP-1818-2015/NEHTA-2002-2015</u>

4.2 Launch the Validator

1 Launch the Validator by selecting Start > All Programs > Nehta > NEHTA CP Validator > Clinical Package Validator



2 A warning message is displayed if the Validator detects that a NASH test certificate has not been installed. To continue select **OK**.

N	Varning	
	Â	No valid PCEHR certificates found. Add PCEHR compatible certificates to use PCEHR Templates
		ОК

Note: The Validator may be used without a NASH test certificate if template packages are downloaded from the NEHTA website and imported into the Validator. The recommended approach, however, is to import template packages from the PCEHR software vendor test environment. To install a NASH test certificate, exit the Validator and follow the steps in Section 2.3.

3 There may be a delay of several minutes before the terms and conditions message below is displayed. If you accept these terms and conditions, select **Yes** to continue. If you select **No**, the Validator will close.



4 If the following message is displayed, select **OK**.



5 The template manager will now be displayed.

Template Manager	States and states			• ×
Manage Tem Configuration NASH Test Certificate	plates [CN-general 8003629900019338.id electronichealth net au. O-MEDTESTORG	SB120, DC=8003629900015	1338, DC-id, DC-electronicheabh, DC-net, DC-au	•
Templates Packages			Local Template Packages	
		Import selected > Import all >>		
Refresh from SVT]		Add From Zip File Delete	
				Close

To proceed, either import template packages from the PCEHR software vendor test environment (SVT) (Section 4.3) or import template packages downloaded from the NEHTA website (Section 4.4).

End

4.3 Import template packages from the PCEHR SVT

Template packages may be imported from the PCEHR software vendor test (SVT) environment as an alternative to importing them from the NEHTA website (Section 4.4).

Note: A NASH test certificate must first be installed before template packages can be imported from the SVT environment (Section 2.3).

To import template packages from the PCEHR SVT environment, follow the steps below.

J Chr	nical Package	Validator v2.3	
File	Configuration	n Help	
	File : Seler	t an input file to validate	
	The select	can input lie to valuate	
Temp	olate:		

1 Select the **Configuration** menu.

2 Select Manage Templates.

File	Configuration	Help		
	Manage T	emplates		
	Manage T	erminology		
	Manage T	emporary File Location		-
Temp	olate:			
Addn I	Rules: Select a	ditional rules template fol	der for validation	6

3 If one or more NASH test certificates have been installed, the available certificates will be displayed in a pull down list. Select the certificate to be used.

Template Manager	
Manage Ten	mplates
	e CNI-general 8003629900019338.id electronicheath net au. O=MEDTESTORGSB120, DC=8003629900019338, DC=id, DC=electronicheath, DC=net, DC=au 🔹
Templates Packages	Local Template Packages
	Import selected > Import all >>
Refresh from SVT	
	Close

4 To obtain the list of template packages that may be imported from the PCEHR SVT environment, select **Refresh from SVT**.

onfiguration				
ASH Test Certificate CN=general.8003629	300019338.id.electronichealth.net.au, O=MEDTES	STORGSB120, DC=8003629900019	338, DC=id, DC=electronichealth, DC=net, DC=au	
emplates Packages			Local Template Packages	
		Import selected >		
		Import all >>		

5 An error message is displayed if the PCEHR software vendor test environment cannot be contacted. To continue, select **OK** and determine if there is a working connection to the Internet.



- The list of template packages will be obtained from the PCEHR SVT. Template Manager • ** Manage Templates NASH Test Certificate CN=general.8003629900019338.id.electronichealth.net.au, O=MEDTESTORGSB120, DC=8003629900019338, DC=id, DC=electronichealth, DC=net, DC=au • Templates Packages Local Template Packages Refreshing Templates Contacting Server Refresh from SVT Add From Zip File Delete Close
- 6

7 Choose the required template package and select Import selected.

Template Manager	
Manage Templates Configuration NASH Test Certificate [CN-general 8003629900013338.id electronichealth.net.au, 0+MEDTESTORGSB120, DC+800362990	0019338, DC-id, DC-electronichealth, DC-net, DC-au
Templates Packages	Local Template Packages
e e-Ferral 2 (12.36.1.2001) 1005.1 21000.20 we 32624) e-Ferral 2 (12.36.1.2001) 1005.1 21000.11 wer 32624) e-Ferral 3 (12.236.1.2001) 1005 112000.11 wer 32620 e-Ferral 3.0 (12.236.1.2001) 1005 112000.21 wer 32620 e-Ferral 3.0 (12.236.1.2001) 1005.1 12000.22 wer 32624) Evert Summay 2 (12.36.1.2001) 1005.1 14673.20 wer 41) Evert Summay 3 (12.36.1.2001) 1005.1 14673.1 wer 33 Evert Summay 3 (12.36.1.2001) 1005.1 14673.1 wer 33 Evert Summay 3 (12.36.1.2001) 1005.1 14673.1 wer 33 Evert Summay 3 (12.36.1.2001) 1005.1 14673.1 wer 3576) Evert Summay 3 (12.36.1.2001) 1005.1 14673.1 wer 3576) Evert Summay 3 (12.36.1.2001) 1005.1 14673.1 wer 3575) Evert Summay 3 (12.36.1.2001) 1005.1 14673.2 ver 35754) Evert Summay 3 (12.36.1.2001) 1005.1 14673.3 ver 35754) Evert Summay 3 (12.36.1.2001) 1005.1 14673.3 ver 35754) Evert Summay 3 (12.36.1.2001) 1005.1 14673.3 ver 35754)	Add From Zo Fie Delete
	Close

Note: An Import all option is also provided.

8 Verify that the template package has been imported into the Validator and select Close.

NASH Test Certificate CN=general.8003629900019338.id.electronichealth.net.	au, O=MEDTESTORGSB120, DC=8003625	9900019338, DC+id, DC+electronichealth, DC+net, DC+au	
e -Referral 2 (12.36.1.2001.1006.1.21000.20 ver 32624) e -Referral 2 (12.36.1.2001.1006.1.21000.21 ver 32624) e -Referral 34 (12.36.1.2001.1006.1.21000.11 ver 32624) e -Referral 38 (12.36.1.2001.1006.1.21000.21 ver 32624) e -Referral 38 (12.36.1.2001.1006.1.21000.21 ver 32624) Evert Summary 18 (12.36.1.2001.1006.1.16473.3 ver 41) Evert Summary 12 (12.36.1.2001.1006.1.16473.3 ver 41) Evert Summary 14 (12.36.1.2001.1006.1.16473.1 ver 330 Evert Summary 14 (12.36.1.2001.1006.1.16473.1 ver 3678) Evert Summary 34 (12.36.1.2001.1006.1.16473.1 ver 35754) Evert Summary 34 (12.36.1.2001.1006.1.16473.9 ver 35754)	I Inpot asiecte	(e-Referral 34, (1,2:36,1:2001-1006,1:21000,21 ver 32624)	

4.4 Import template packages downloaded from the NEHTA website

Template packages may be downloaded from the NEHTA website and imported into the Validator as an alternative to importing them from the PCEHR software vendor test environment (Section 4.3). To download a template package from the NEHTA website, follow the steps below.

- 1 Download the template package library from the selected clinical document type end product, available from <u>https://www.nehta.gov.au/implementation-resources/clinical-documents</u>.
- 2 Unzip the template package library ZIP file and save the selected template packages to a preferred location.

Note: A template package is in the form of a ZIP file within the template package library. Earlier versions of the Validator needed the template package ZIP file to be unzipped, whereas version 2.3 of the Validator imports the template package ZIP file.

3 To import the downloaded template package, select the **Configuration** menu.

[] Clir	nical Pa	ckage Val	idator v2.3	
File	Config	guration	Help	
	File :	Select an	input file to validate	
Temp	olate:		*	
Addn	Rules:	Select ad	ditional rules template folder for validation	
Informa	ation			

4 Select Manage Templates.

File	Configuration	Help		
	Manage T	emplates		
	-	erminology emporary File Location		-
Temp	late:			
Addn I	Rules: Select ad	ditional rules template fol	der for validation	6

5 Select Add From ZIP File.

Template Manager Manage Tem Configuration NASH Test Certificate	plates (CN-general 8003629900019338.id.electronicheath.net.au, O-MEDTESTORGS	SB120, DC=800362990001	S338, DC-id, DC-electronicheath, DC-net, DC-au
Templates Packages			Local Template Packages
Refresh from SVT]	Import selected > Import all >>	ACIR:3A (12:36:12001:1006:11653:6 ver 49) Advnnec Garc Directiva 34, (12:36:12001:1006:116556:2 ver 24) AODR 3A, (12:36:12001:1006:116571:5 ver 39) ODI/1006:11671:5 ver 39) ODI/10:6 = Health Record Healthcase Provider Health Oxek: A3, (12:36:12001:1006;1162:142: ver 3186) ODI/1006:1162:142: ver 3186) ODI/16 = Health Record Healthcase Provider Health Oxek: A1, (12:36:12001:1006;12:162: ver 3186) ODI/1006;12:162: ver 3186) ODI/16 = Health Record Healthcase Provider Health Oxek: A1, (12:36:12001:1006;12:162: ver 32/22) Consume Entered Achievements 3A, (12:36:12001:1006:11005;11:663: ver 23/22) Consume Entered Health Summery A1, (12:36:12:001:1006;11:663: 12: ver 23) Dointo 11:663: 12: ver 23) Dagnotic Imaging Report 3A, (12:36:12:001:1006;12: 20: ver 36) Designed Sumging Report 3A, (12:36:12:001:1006;12: 20: ver 36) Designed Sumging Report 3A, (12:36:12:001:1006;12: 20: ver 36) Designed Summery 1A, (12:36:12:001:1006;12: 20: ver 36) Designed Sumging Report 3A, (12:36:12:001:1006;12: 20: ver 36) Designed Summery 1A, (12:36:12:001:1006;12: 20: ver 36) Cancure Entered Achievement 14, (12:36:12: 20: 10: 10: 12: 20: ver 36) Ver 30; 12: 20: 12: 20: 12: 20: 12: 20: 12: 20: 12: 20: 12: 20: 12: 20: 12: 20: 12: 20: 12: 20: 12: 20: 12: 20: 12: 20: 20: 20: 20: 20: 20: 20: 20: 20: 2
			Close

6 Navigate to the directory in which the downloaded template package has been stored, locate the required template package ZIP file and select **Open**.

Organize 🔻 New folder					
PerfLogs Program Files Quarantine QuestSoftware SWSetup System.sav temp Plate packages CettDATA Quests	E	Name 1.2.36.1.2001.1006.1.222.2.35665 1.2.36.1.2001.1006.1.21000.20_32624	Date modified 17/11/2014 9:58 AM 17/09/2013 3:35 PM	Type Compressed (zipj Compressed (zipj	
▷ 퉬 Windows ▷ 坖 GROUPS (\\BNE-FP01) (G:)	.	<		•	

7 Verify that the template package has been imported into the Validator and select **Close**.

NASH Test Certificate CN=gene	ral.8003629900019338.id.electronichealth.net.au, O	MEDTESTORGSB120, DC=80036299000	19338, DC=id, DC=electronichealth, DC=net, DC=au
Templates Packages			Local Template Packages e-Referral 1B (1.2.36.1.2001.1006.1.21000.9 ver 142)
		Import selected >	e-Peteral 2 (1 23 6 1 2001 1006 1 21000 1 0ver 143) e-Peteral 2 (1 23 6 1 2001 1006 1 21000 1 5 ver 32624) e-Peteral 3 (1 23 6 1 2001 1006 1 21000 1 5 ver 32624) e-Peteral 3 (1 2 3 6 1 2001 1006 1 21000 1 1 ver 144) e-Peteral 3 (1 2 3 6 1 2001 1006 1 21000 1 1 ver 32624) e-Peteral 3 (1 2 3 6 1 2001 1006 1 21000 2 1 ver 32624) e-Peteral 3 (1 2 3 6 1 2001 1006 1 21000 2 1 ver 32624) e-Peteral 3 (1 2 3 6 1 2001 1006 1 21000 2 1 ver 32624) e-Peteral 3 (1 2 3 6 1 2001 1006 1 21000 2 1 ver 32624) Evert Summary 3 (1 2 2 6 1 2001 1006 1 1473 3 1 ver 35764) Evert Summary 3 (1 2 2 6 1 2001 1006 1 1473 3 1 ver 35764)
		Import all >>	Healt Check Scheduk Iver 34 (12.36.12001.1005.17771 (ver 31862) MBS 34 (12.35.12001.1005:11644 ver 49) Medcare Overvier 34 (12.36.12011.1005.11721 ver 31491) SW Ohld +Healt Record Bin Details (21.236.12001.1005.1214.1 ver 31560) Observation View 34 (12.36.12001.1005.1210.1 ver 31540)
Refresh from SVT			Add From Zip File Delete

4.5 Delete template packages

Template packages imported into the Validator should be deleted if they are no longer needed.

1 To delete a template package from the Validator, select the **Configuration** menu.

	Clinic	al Pa	ckage Val	idator v2.3	
Fi	e	Confi	guration	Help	
	F	ile :	Select an	input file to validate	
Те	empla	te:			
Ad	dn Ru	ules:	Select ad	ditional rules template folder for validation	
Info	rmati	on			

2 Select Manage Templates.

File	Configuration	Help	
	Manage T	emplates	
	Manage T	erminology	
	Manage T	emporary File Location	
Temp	late:		
Addo	Rules: Select a	ditional rules template folder	or validation

3 Choose the template package to be deleted and select **Delete**.

NASH Test Certificate	CN=general.8003629900019338.id.electronichealth.net.au, O=I	MEDTESTORGSB120, DC=80036299000	19338, DC=id, DC=electronichealth, DC=net, DC=au
Templates Packages			Local Template Packages Diagnostic Imaging Report 3A (1.2.36.1.2001.1006.1.222.4 ver 36978)
		Import selected >-	e-Bischarge Summay 1A (2.35.12001.1006.12000.13 ver 31147) e-Discharge Summay 1A (2.35.12001.1006.12000.18 ver 2620) e-Discharge Summay 1A (2.35.12001.1006.12000.23 ver 2620) e-Discharge Summay 1B (2.35.12001.1006.12000.14 ver 31147) e-Discharge Summay 1B (2.35.12001.1006.12000.14 ver 31147) e-Discharge Summay 1B (2.35.12001.1006.12000.14 ver 31247) e-Discharge Summay 1B (2.35.12001.1006.12000.14 ver 3147) e-Discharge Summay 1B (2.35.12001.1006.12000.14 ver 3147) e-Discharge Summay 1B (2.35.12001.1006.12000.14 ver 3147) e-Discharge Summay 1B (2.35.12001.1006.12000.14 ver 3147)
		import all >>	e-Dacharge Summary 2 (1 2 % 12001 1006 12000) 15 ver 3147) e-Dacharge Summary 2 (1 2 % 1201 1006 12000) 2 ver 3520) e-Dacharge Summary 2 (1 2 % 12001 1006 12000) 22 ver 3520) e-Dacharge Summary 3 (1 2 % 1201 1006 12000) 1 ver 149 e-Dacharge Summary 3 (1 2 % 1201 1006 12000) 1 ver 149 e-Dacharge Summary 3 (1 2 % 1201 1006 12000) 1 ver 12020) e-Dacharge Summary 3 (1 2 % 1201 1006 12000) 2 tver 32520) e-Dacharge Summary 3 (1 2 % 1201 1006 12000) 2 tver 32520)
Refresh from SVT			Add From Zip File Delete

4.6 Configure clinical terminology datasets

The Validator provides limited testing of terminology. Refer to the Product Release Note for what is out of scope.

The Validator is preloaded with clinical terminology datasets. As clinical terminology is frequently revised, resulting in new versions of clinical terminology datasets being regularly published, the Validator allows an administrator or user to upload new versions of the terminology datasets listed in Table 1.

Unlike previous versions, version 2.3 of the Validator allows a user to import AMT, SNOMED CT-AU, and PBS clinical terminology datasets in ZIP format.

Code system name	Code system identifier
Australian Medicines Terminology (AMT) version 3	2.16.840.1.113883.6.96
Australian Medicines Terminology (AMT) version 2	1.2.36.1.2001.1004.100
PBS Item codes	1.2.36.1.2001.1005.22
PBS Manufacturer codes	1.2.36.1.2001.1005.23
Systematized Nomenclature of Medicine - Clinical Terms Australian Release (SNOMED CT-AU)	2.16.840.1.113883.6.96

Table 1 - Code systems the user can import into the Validator

4.6.1 Determine which terminology datasets are loaded

1 To determine which versions of terminology datasets are already present in the Validator database, select the **Configuration** menu.

[] Clin	nical Pa	ckage Val	idator v2.3	
File	Confi	guration	Help	
	File :	Select an	input file to validate	
Temp	olate:		Ψ	
Addn	Rules:	Select ad	ditional rules template folder for validation	
Informa	ation			

2 Select Manage Terminology.

File	Configuration	Help		
	Manage	Templates		_
	Manage	Terminology		
	Manage	Temporary File Location		
Tem	plate:]
Addn	Rules: Select	additional rules template folder fo	or validation	6

3 Select **Refresh**.

Ferminology Management	
Zentriguration and Nuntime Terminology DB File: TerminologyDB.sdf 717MB Terminology Loaded:	Refresh Vill. Select the root folder after unapping the terminology padages. For order version of SNUVDED (May 2014 and older) unit made to manare biolise fifts Relaxes " DRTSRease"
	Load AMT V2: Folder Zip
	Load AMT V3: Folder Zip
	Load SNOMED: Folder Zip
	Load PBS: Folder Zp
	For AMT data visit this webste <u>https://www.nehta.cov.au/implementation-resources/ehealth-foundations/australian-medicines-terminology</u>
	For SNOMED data visit this website <u>https://www.nehta.gov.au/implementation-resources/ehealth-foundations/snomed-ct-au</u>
	For PBS data visit this website, and <u>http://www.pbs.cov.au/browsel/downloads</u> select PBS XML file (ZIP)
Remove old dataset	Compress DB

4 A list of terminology datasets and their versions will be displayed.

Terminology Terminology Management Configuration and Runtime Terminology DB File: Terminology/DB.sdf 717/MB Terminology Loaded: T	NE Select the root folder after uncoming the servicedary root case. For odder versions of SUCKED (May YOL 002 elder) root wind not or manne the folder RFR Relates Load AMT V1: Folder Zp Load SNOMED: Folder Zp
Remove old dataset	For SNOMED data visit this website trappl/www.abit.cov.au/mplementation-resources/sheath-foundations/promed-cl-au for DBS data visit this website, and teacher DBS XML file (ZIP) Compress DB Compress DB Compress DB

- AMT version 2 uses the version number format '2.nn' (e.g. '2.56').
- AMT version 3 uses the version number format 'http://snomed.info/sct/900062011000036108 /version/YYYYMMDD' where 'YYYYMMDD' is the date of release of a specific AMT version 3 dataset (e.g. 'http://snomed.info/sct/900062011000036108/version/20140630').
- PBS uses the version number format 'YYYYMMDD' where 'YYYYMMDD' is the date of release of a specific PBS dataset (e.g. '20141130').
- SNOMED CT-AU uses the version number format 'http://snomed.info/sct/32506021000036107/version/YYYYMMDD' where 'YYYYMMDD' is the date of release of a specific SNOMED CT-AU dataset (e.g. 'http://snomed.info/sct/32506021000036107/version/20141130').

Note: PBS Item codes and PBS Manufacturer codes are both included in the PBS dataset.

4.6.2 Find and load another version of the AMT dataset

1 To find and load another version of the AMT dataset, select the link to the AMT website in the **Terminology Management** facility. You would do this if your clinical document uses a terminology release that is not one of the versions included in the Validator.

erminology	
erminology Management	
nfiguration and Runtime	
Ferminology DB File: TerminologyDB.sdf 717MB Refrest	h NB: Select the cost folder after untipoing the terminology package. For older versions of SNOMED (May 2014 and older) you will need to remain the folder MR2 Release to RR2Release'
Auszlah Melcines Ternindory (AMT): 2.54 Auszlah Melcines Ternindory (AMT): 2.55 Auszlah Melcines Ternindory (AMT): 2.55 Auszlah Melcines Ternindory (AMT): 55 Auszlah Melcines Ternindory (AMT): http://www.info/c00006211000005108/.version/20151213 Auszlah Melcines Ternindory (AMT): http://www.info/c0000621100005108/.version/20150228 Auszlah Melcines Ternindory (AMT): http://www.info/c0000621100005108/.version/20150238 Auszlah Melcines Ternindory (AMT): http://momed.info/sct/20000221100005108/.version/20150238 Auszlah Melcines Ternindory (AMT): http://momed.info/sct/20000221100005108/.version/20150238 Auszlah Melcines Ternindory (AMT): http://momed.info/sct/20000221100005108/.version/2015043 Auszlah PBS Code, 2015903 NYOMED CT-AU, http://momed.info/sct/22566211000036107/version/20150531	Load AMT V21 Polder Zp Load AMT V31 Polder Zp Load SNOMED1 Polder Zp Load PBS1 Polder Zp For AMT data visit this website https://www.nehta.opv.au/implementation-resource/leheath-foundational/sustralian-mediclee-seminology For SNOMED data visit this website https://www.nehta.opv.au/implementation-resource/leheath-foundational/sustralian-mediclee-seminology For SNOMED data visit this website. https://www.nehta.opv.au/implementation-resource/leheath-foundational/sustralian-mediclee-seminology
Remove old dataset	Compress DB
	Cloc

Either select Login or Sign Up to download to download the latest version of AMT v3, which is presented by default, or select Australian Medicines Terminology v3 Model Release History to select and download earlier versions of AMT (i.e. either v3 or v2).



Note: If you have already logged in to the NEHTA website, a **Download** button will be presented rather than **Login or Sign Up to download**.

3 Save a copy of the selected AMT XML file in the C:\temp directory or some other local directory.

🔾 🗸 🕌 🕨 Computer 🔸 SYSTEM (C:) 🕨 temp				▼ 4 9	Search temp	_
Organize 🔻 New folder						
🚖 Favorites	^	Name	Date modified	Туре	Size	
📜 Downloads		EP_1829_2014_SNOMEDCT-AU_v20141130	26/06/2015 4:04 PM	Compressed (zipp	219,865 KB	
🧮 Desktop	=					
🔚 Recent Places						
Nesktop (2)						
5						
Documents						
Music						
Pictures						
	-					
File name: NEHTA_2096_2015_AustralianMe	dicinesT	erminology_Data_v20150531				
File name: NETT A_2096_2015_AustralianMe	aicines I	erminology_Data_v20150551				

4 Import the downloaded AMT package ZIP file by selecting **Zip** for either 'Load AMT V2' or 'Load AMT V3' (depending on the version that was downloaded from the NEHTA website).

⁷ Terminology	
Certification and Rutime Terminology DB File Terminology OB self Terminology Loadei Terminology Loadei Terminology Loadei Terminology (AMT) 2.54 Australian Medicine Terminology (AMT) 2.54 Australian Medicine Terminology (AMT) 2.54 Australian Medicine Terminology (AMT) 1.54 Australian Medicine Terminology (AMT) 1.55 Australian Medicine Terminology (AMT) May/Inormad-Infrince/000053111000351189/version/20150311 Australian Medicine Terminology (AMT) May/Inormad-Infrince/00005311100035189/version/2015031 Australian Medicine Terminology (AMT) May/Inormad-Infrince/00005311100035189/version/2015031 Australian Medicine Terminology (AMT) May/Inormad-Infrince/00005311800035189/version/2015031 Australian Medicine Terminology (AMT) May/Inormad-Infrince/00005311800035189/version/20150531 Australian Medicine Terminology (AMT) May/Inormad-Infrince/0000531800035189/version/20150531 Australian Medicine Terminology (AMT) May/Inormad-Infrince/000053189/version/20150531 Australian Medicin	NB: Select the root folder after undgoing the terminology package. For older version of SNOMED (May 2014 and older) you will need to rearran the folder KP2 Nelesser' Load ANT V2: Folder ZD Load ANT V3: Folder ZD Load SNOMED: Folder ZD For SNOMED Save the website Install/www.nebs.aov.au/maintentation-resources/sheath-foundations/sustalian-medicines.terminology For SNOMED Save the website Install/www.nebs.aov.au/maintentation-resources/sheath-foundations/sustalian-medicines.terminology For SNOMED Save the website Install/www.nebs.aov.au/maintentation-resources/sheath-foundations/sustalian-medicines.terminology Save the Save the website Install/www.nebs.aov.au/maintentation-resources/sheath-foundations/streatentation For SNOME Save the website Install/www.nebs.aov.au/maintentation-resources/sheath-foundations/streatentation Compress DB

Note: If the AMT package ZIP file was already downloaded and unzipped into a folder, the contents of the folder may be imported by selecting **Folder**.

5 Select the AMT package ZIP file and select **Open**.

Look in:	鷆 Downloads	-	G 🤌 📂 🛄 -				
A.	Name	*	Date modified	Туре	Size		
Recent Places	i EP_2094_201	5_AustralianMedicinesTerminol	26/06/2015 3:07 PM	Compressed (zipp	29,435 KB		
Network	File name:	EP_2094_2015_AustralianMedicine	sTerminologyv3Model_v2	0150531		-	Or
Network	File name:	EP_2094_2015_Australian Medicines	sTerminologyv3Model_v2	0150531		•	

6 The message 'Unzipping data' is displayed while the AMT dataset is being imported.

erminology Manag		
Terminology DB File: Terminology Terminology Loaded:	DB.sdf 717MB Re	esh NB: Select the root folder after unsigning the terminology package. For older versions of SNOMED (May 2014 and older) you will need to rename the folder 'RF2 Release' to 'RF2Release'
Australian Medicines Terminology (A Australian Medicines Terminology (A Australian Medicines Terminology (A Australian Medicines Terminology (A Australian PBS Code, 20150601	NT), 2.55	Load AMT V2: Folder Ze Uropping data Load SNOMED: Folder Ze Uropping data Load SNOMED: Folder Ze Load PRS: Folder Ze Extra Load SNS Folder SNS SNS Folder SNS
Remove old dataset		select PBS XMI, File (ZIP) Compress DB



7 Confirm that the AMT dataset has been successfully loaded into the Validator database. The message 'Loaded data into database' should appear next to the button that was selected to load the dataset, and the terminology dataset should appear in the 'Terminology Loaded' list.

erminology Management	
onfiguration and Runtime Terminology DB File: Terminology DB.adf 717MB Refresh Terminology Loaded:	NB: Select the not fider after untipling the terminology package. For older version of SINOVED (May 2014 and dely) you will need to rearree the folder TR Selectse to TR TRebestal
Australian Micholes Terninologi (AMT) 2.54 Australian Micholes Terninologi (AMT) 2.55 Australian Micholes Terninologi (AMT) 2.55 Australian Micholes Terninologi (AMT), http://promod.info/ex100002011100005109/version/2015131 Australian Micholes Terninologi (AMT), http://promod.info/ex100002211000005109/version/2015228 Australian Micholes Terninologi (AMT), http://promod.info/ex100002211000005109/version/2015228 Australian Micholes Terninologi (AMT), http://promod.info/ex100002211000005109/version/20152531 Australian Micholes Terninologi (AMT), http://promed.info/ex100002211000005109/version/20150531 SNOMED CT-AU, http://normed.info/ex1/2556621000036107/version/20150531	Load AMT V2: Folder Zo Load AMT V3: Folder Zo Load AMT V3: Folder Zo Load SNOMED: Folder Zo Load PBS: Folder Zo For AMT data vite this webste For SNOMED data vite this webste Settor SSNOMED data vite this webste For SNOMED data vite this webste.
Remove old dataset	Compress DB

Note: The **Refresh** button may need to be selected to see the list of loaded terminology datasets.

End

4.6.3 Find and load another version of the SNOMED CT-AU dataset

1 To obtain and load another version of the SNOMED CT-AU dataset, select the link to the SNOMED CT-AU website. You would do this if your clinical document uses a terminology release that is not one of the versions included in the Validator.

erminology Management	
Terminology DB File: TerminologyDB.sdf 717MB Terminology Loaded:	Refresh NBI: Select the root folder after unsigning the terminology package. For older versions of SNOHED (May 2014 and older) you will need to rearmer the folder NFIP Alesses' of RFIPAlesse'
	Load AMT V2: Folder Zp
	Load AMT V3: Folder Zp
	Load SNOMED: Folder Zip
	Load PBS: Folder Zp
	For AMT data visit this website https://www.nehta.gov.au/mplementation-resources/ehealth-foundations/australian-medicines-terminology
	For SNOMED data visit this website <u>https://www.nehta.gov.au/implementation-resources/ehealth-foundations/snomed-ct-au</u>
	For PBS data visit this website, and http://www.ubs.cov.au/browse/downloads select PBS XML file (ZIP)
Remove old dataset	Compress DB

2 Either select **Login or Sign Up to download** to download the latest version of SNOMED CT-AU, which is presented by default, or select **SNOMED CT-AU Release History** to select and download an earlier version.



Note: If you have already logged in to the NEHTA website, a **Download** button will be presented rather than **Login or Sign Up to download**.

3 Save a copy of the selected SNOMED CT-AU XML file in the C:\temp directory or another local directory.

🕘 💬 🚽 🕨 Computer 🕨 SYSTEM (C	.:) ▶ temp		✓ Search temp	2	
Organize 🔻 New folder					
☆ Favorites	^ Name	Date modified Type	Size		
〕 Downloads	_	No items match your search.			
Contraction Desktop	=	-			
E Recent Places					
🥅 Desktop (2)					
🔚 Libraries					
Documents					
👌 Music					
Pictures	-				
File name: EP_2066_2015_SNOM	EDCT-AU_v20150531				
Save as type: Compressed (zipped)					
and the family and the sea					

4 Import the downloaded SNOMED CT-AU package ZIP file by selecting **Zip** for 'Load SNOMED'.

^r Terminology Terminology Management	2
Configuration and Runtime Terminology DB File: Terminology DB.adf 717MB Terminology Loaded:	NB: Select the root folder after unspong the terminology package. For older versions of SIXONED (May 2014 and older) you will need to remarke the folder (RF2 Release)
Ausralian Medicine Terminology (ANT). 2.54 Ausralian Medicine Terminology (ANT). 2.55 Ausralian Medicine Terminology (ANT). 105 Ausralian Medicine Terminology (ANT). Insu/Inomed.info/sci900652011000035108/version/20151031 Ausralian Medicine Terminology (ANT). Insu/Inomed.info/sci900652011000035108/version/20151031 Ausralian Medicine Terminology (ANT). Insu/Inomed.info/sci900652011000035108/version/2015031 Ausralian Medicine Terminology (ANT). Insu/Inomed.info/sci900652011000035108/version/2015031 Ausralian Medicine Terminology (ANT). Insu/Inomed.info/sci900652011000035108/version/20150531 Ausralian Medicine Terminology (ANT). Insu/Inomed.info/sci900652011000035108/version/20150531 SNOMED CT-AU, http://momed.info/sci9256621000036107/version/20150531	Load AMT V2: Folder Z0 Load AMT V3: Folder Z0 Load SNOMED: Folder Z0 Load SNOMED: Folder Z0 For AMT data vist this webste https://www.shts.cov.au/mplementation-resources/akaah-foundations/sustralian-mediches.seminology For SNOMED data vist this webste. https://www.shts.cov.sus/proves/downloads
Remove old dataset	Compress D6
	Close

Note: If the SNOMED CT-AU package ZIP file was already downloaded and unzipped into a folder, the contents of the folder may be imported by selecting **Folder**.

5 Select the SNOMED CT-AU package ZIP file and select **Open**.

Look in:	ᠾ Downloads	~	🎯 🤌 📂 🛄 🗸				
(Pa)	Name	*	Date modified	Туре	Size		
	BP_1829_201	4_SNOMEDCT-AU_v20141130	26/06/2015 4:04 PM	Compressed (zipp	219,865 KB		
Recent Places	BP_2094_201	_AustralianMedicinesTerminol	26/06/2015 3:07 PM	Compressed (zipp	29,435 KB		
Network	File name:	EP_1829_2014_SNOMEDCT-AU_v	20141130			•	Open
Network Files of type: Zip Files (*zip)						•	Cance

6 The message 'Unzipping data' is displayed while the SNOMED CT-AU data is being imported.

() Terminology (Not Responding)	
Terminology Management Configuration and Ruritine Terminology DB File: Terminology 08.sdf 487M8 Terminology Ladded:	NB: Salect fale soci falde after anciping the seminology package, for older vectors of SNOMED (Nay 2016 and older) you will need to resame the folder KR2 Release to RR2Release! Load ANT V2: Folder Zo Load ANT V2: Folder Zo Load SNOMED: Folder Zo Load SNOMED: Folder Zo Load SNOMED: Folder Zo For ANT data visit this vectors that visit this vectors. For SNOMED data visit this vectors.
Remove old dataset	Compress DB Cose



7 Confirm that the SNOMED CT-AU dataset has been successfully loaded into the Validator database. The message 'Loaded data into database' should appear next to the button that was selected to load the dataset and the terminology dataset should appear in the 'Terminology Loaded' list.

Configuration and Rumine Terminology/DB aff Termino	_
Ausralian Medicina Terminologi (ANT). 2.55 Loss ANT 12 Problem 20 Ausralian Medicina Terminologi (ANT). 2.65 Loss ANT 12 Loss ANT 12 Problem Ausralian Medicina Terminologi (ANT). 2.65 Loss ANT 12 Loss ANT 12 Color Ausralian Medicina Terminologi (ANT). 2.65 Loss ANT 12 Loss ANT 12 Loss ANT 12 Ausralian Medicina Terminologi (ANT). http://monet.infoirc/90062011000035108/version/20141211 Loss ANT 12 Loss ANT 12 Ausralian Medicina Terminologi (ANT). http://monet.infoirc/90062011000035108/version/20151011 Loss ANT 12 Color Ausralian Medicina Terminologi (ANT). http://monet.infoirc/90062011000003108/version/20151011 Loss ANT 12 Color Ausralian Medicina Terminologi (ANT). http://monet.infoirc/9006201100000000000000000000000000000000	_
	entation-resources (sheath-foundations) sust alian-medicines terminology rentation-resources (sheath-foundations) incomed co.ay
Remove old dataset	

Note: The **Refresh** button may need to be selected to see the list of loaded terminology data.

End

4.6.4 Find and load another version of the PBS dataset

1 To obtain and load another version of the PBS dataset, select the link to the PBS website.

ustralian Medicines Terminology (AMT), 2,55 uustralian Medicines Terminology (AMT), 2,56 uustralian Medicines Terminology (AMT), http://promed.info/sct900062011000036108/version/00141231 uustralian Medicines Terminology (AMT), http://promed.info/sct900062011000036108/version/20150131 uustralian Medicines Terminology (AMT), http://promed.info/sct900062011000036108/version/20150130	Load AMT V2: Folder Zp Load AMT V3: Folder Zp Load SNOMED: Folder Zp
ustalian Mediches Teminology (ANT), http://nomed.info/togt90006201100003180/vesion/2019331 ustalian Mediches Teminology (ANT), http://nomed.info/togt90006201100003180/vesion/20195831 ustalian Mediches Teminology (ANT), http://nomed.info/togt90006201100003180/vesion/20195831 NOMED CT-AU, http://nomed.info/sct/32506021000036187/vesion/20195831	consistential consist
	For post data with the website, and http://www.abs.cov.au/browsel/downloads elect PISS VML File (ZTP)

Note: PBS Item codes and PBS Manufacturer codes are both included in the PBS dataset.

2 Either download the latest version of the PBS dataset by selecting the **PBS XML file** link, or select **Publications Archive** to choose an earlier version of the PBS dataset.

Australian Government Department of Health	Pharmaceu Benefits S		QE	Enter a medicine, drug, brand nam	e or item number PBS MEDICINE SEARCH
PBS Information - Browse the	e PBS • For Health Professionals •	For Industry -	News -	Publications & Downloads +	Contacts
Browse by downloads					
PBS Downloads					See also
Page last updated: 1 June 2015					PBS Publications
1 June 2015					PBS Statistics PBS Reviews
Errata to Schedule of Pharmaceutical I	Benefits (PDF 407KB)				Software Developers site
<u>PBS Text files (ZIP 3.1 MB)</u> <u>PBS XML file (ZIP 5.5 MB)</u>					
Archive					

3 Save a copy of the selected PBS XML file in the C:\temp directory or another local directory.

🥔 Save As						x
Computer			- 4 ∳	Search temp		٩
Organize 🔻 New folder						•
☆ Favorites	Name	Date modified	Туре	Size		
Downloads	EP_1829_2014_SNOMEDCT-AU_v20141130	26/06/2015 4:04 PM	Compressed (zipp	219,865 KB		
Desktop						
Recent Places Desktop (2)						
🥽 Libraries						
Documents						
Music Fictures						
File name: 2015-06-01-xml						-
Save as type: Compressed (zipped) Folder						•
Hide Folders				Save	Cancel	

4 Import the downloaded PBS package ZIP file by selecting **Zip** for 'Load PBS'.

Zerfigueta and Rumme Terminology DB File: Terminology DB Jdf 448MB Terminology DB File: Terminology ABL 448MB Terminology Label Terminology Label Terminology (AMT) 2.54 Australian Mackines Terminology (AMT) 2.55 Australian Mackines Terminology (AMT) 2.55 Australian Mackines Terminology (AMT) 2.55 Australian Mackines Terminology (AMT) 4.55 Australian Machines Terminol	20150131 20150228 20150331 Load SNOMED: Folder Zp
Remove old dataset	For PBS data visit this webbite, and http://www.obs.cov.au/browse/downloads select PBS JUL File (ZIP)

Note: If the PBS package ZIP file was already downloaded and unzipped into a folder, the contents of the folder may be imported by selecting **Folder**.

5 Select the PBS package ZIP file and select **Open**.

Look in:	📗 temp		- 🕝 🎓 📂 🛄 -				
(Pa	Name	*	Date modified	Туре	Size		
ecent Places	2015-06-0	1-xml	30/06/2015 11:21	Compressed (zipp	4,129 KB		
Desktop							
Libraries							
Computer							
	File name:	2015-06-01-xml				-	Oper
Network	Files of type:	Zip Files (*.zip)					Canc

6 Two messages (i.e. 'Unzipping data' then 'Loading data into database. This may take some time.') are displayed while the PBS data is being imported.

Certiminology Management Configuration and Runtime Terminology DB File: Terminology/OB.ddf 444MB Refresh Terminology Loaded: Australian Medicine Terminology (AMT) 2.54 Australian Medicine Terminology (AMT) 4.55 Australian Medicine Terminology (AMT) 4.55 SNOVEED CT-AU, http://www.dividuo2.556601.10000.55.07/version/2015/0531	NB: Select the root folder after unapping the seminology package. For older versions of SI/OMED (May 2014 and older) you will need to remain the folder IRT: Release 'to YK7Delasase' Load AMT 'V2: Folder Zp Load SI/OMED. Folder Zp Load SI/OMED. Folder Zp Load SI/OMED. Folder Zp Load SI/OMED. Folder Zp Load PDS: Folder Zp Load
Remove old dataset	Compress DB

Note: The loading process may take many minutes to complete.

7 Confirm that the PBS dataset has been successfully loaded into the Validator database. The message 'Loaded data into database' should appear next to the button that was selected to load the dataset.

Terminology DB File: TerminologyDB.sdf 71 Terminology Loaded:	7MB Refresh	NB: Select the root folder after unsigning the terminology package. For older versions of SNOMED (May 2014 and older) you will need to remark the folder IR: Re Relaxe in the RE
Australian Medicines Terminology (AMT), 2.54 Australian Medicines Terminology (AMT), 2.54 Australian Medicines Terminology (AMT), 2.55 Australian Medicines Terminology (AMT), Incul/sommet Australian Medicines Terminology (AMT), Incul/sommet Aus	info[sct/90062011000035108/version/20150131 info[sct/900062011000036108/version/20150228 info[sct/900062011000036108/version/20150331 info[sct/900062011000036108/version/20150430 info[sct/900062011000036108/version/20150531	Load AMT V2: Folder Zp Load AMT V3: Folder Zp Load SNOMED: Folder Zp Load PBS: Folder Zp Load PBS: Folder Zp Load data vist bis website: bttps://www.nits.op.au/molementation-resource/basit/soundston/autor/alto-metiones.semin For SNOMED data vist bis website: bttps://www.nits.op.au/molementation-resource/basit/soundston/autor/alto-metiones.semin For SNOMED data vist bis website: bttps://www.nits.op.au/molementation-resource/basit/soundston/autor/alto-metiones.semin
		For DFS data visite this webbits, and http://www.pba.gov.au/brownaldown/badg
Remove old dataset		Compress DB

4.6.5 Remove a terminology dataset

1 If the list of terminology datasets currently loaded into the Validator is not displaying, select **Refresh**.

/ Terminology Terminology Management	
Configuration and Runtime Terminology DB File: Terminology DB.sdf 717MB Terminology Loaded:	Refresh NB: Select the root folder after unspong the terminology package. For older versions of SNUOHED (May 2014 and older) you index to remain the folder VFR-Decades" to FERDelased
	Load AMT V2: Folder Zp
	Load AMT V3: Folder Zp
	Load SNOMED: Folder Zp
	Load PBS: Folder Zp
	For AMT data visit this website <u>https://www.nelta.cov.au/implementation-resources/ehealth-foundations/australian-medicines-terminology</u>
	For SNOMED data visit this website <u>https://www.nehta.gov.au/implementation-resources/ehealth-foundations/momed-ct-au</u> For PBS data visit this website, and <u>http://www.gbs.gov.au/trowsei/downloads</u>
	select PBS XML file (ZIP)
Remove old dataset	Compress DB
	Close

2 Choose the dataset to be removed and select **Remove old dataset**.

Ferminology Management	
Configuration and Runtime	
Terminology DB File: TerminologyDB.sdf 717MB Refresh Terminology Loaded:	NB: Select the root folder after unsporting the terminology package. For clider versions of SIXONED (May 2014 and clider) you will need unsame the folder MCZ Releases' of MCZRelease'
Australiam Modicines Terminology (AMT): 2.54 Australiam Modicines Terminology (AMT): 2.55 Australiam Modicines Terminology (AMT): 2.55 Australiam Modicines Terminology (AMT): 2.55 Australiam Modicines Terminology (AMT): throug/informati-info/cs/90062011000035180 (version/201525131) Australiam Modicines Terminology (AMT): throug/informati-info/cs/90062011000035180 (version/201525131) Australiam Modicines Terminology (AMT): throug/informati-info/cs/90062011000035180 (version/20152528) Australiam Modicines Terminology (AMT): throug/informati-info/cs/90062011000035180 (version/20152531) Australiam Modicines Terminology (AMT): throug/informati-info/cs/90062011000035180 (version/20152531) Australiam Modicines Terminology (AMT): throug/informati-info/cs/90062011000035180 (version/2015631) Australiam Modicines Terminology (AMT): throug/informati-info/cs/90062011000035180 (version/2015631) SNOMED CT-AU, throu/informati-info/cs/90062011000036107/version/20150531	Load AMT V2: Folder Zp Load AMT V3: Folder Zp Load SNOMED: Folder Zp Load PRS: Folder Zp Load PRS: Folder Zp For AMT data vist this website https://www.selta.cov.ps/molementation-resource/seltabl-foundations/autoralian-medicines.seminoboxy For SNOMED data vist this website https://www.selta.cov.ps/molementation-resource/seltabl-foundations/autoralian-medicines.seminoboxy For BSS data vist this website https://www.selta.cov.ps/molementation-resource/seltabl-foundations/autoralian-medicines.seminoboxy
Remove old dataset	Compress D8
	Close

Note: The removal process may take many minutes to complete.

3 Confirm the dataset is no longer present in the list of loaded datasets.

Terminology DB File: TerminologyDB.sdf 717MB Terminology Loaded:	Kerresn	NB: Select the root folder after unapping the terminology package. For obler versions of SNONHED (May 2014 and obler) you will need to reament the folder #FZ Relativate
Australian Medicate Terminology (AMT) 3-55 Australian Medicate Terminology (AMT) 3-55 Australian Medicate Terminology (AMT) 3-55 Australian Medicates Terminology (AMT) 3-58 Australian Medicates Terminology (AMT) http://comed.info/sct/90062011 Australian Medicates Terminology (AMT) http://comed.info/sct/90062011 Australian Medicates Terminology (AMT) http://comed.info/sct/90062011 Australian Medicates Terminology (AMT) http://comed.info/sct/90062011 SNOMED CT-AU, http://snomes.info/sct/3156621100035107/version/2015	000936104/version/20150131 000936108/version/20150228 000936108/version/20150331 000936108/version/20150430 000936108/version/20150531 0531	Load AMT V2: Folder Zo Load AMT V3: Folder Zo Load SNOMED: Folder Zo Load PBS: Folder Zo For AMT data visit this website

4.6.6 Compress the database

The Validator's terminology database may be compressed to reduce its size. Compression removes unused space and reduces the footprint of the database on the disk. Compression should be done after loading and/or removing datasets. Compressing the database does not affect the performance of the Validator.

1 View the size of the database and select **Compress DB** to reduce its size.

() Terminology Terminology Management	×
Configuration and Runtime Terminology DB File: TerminologyDB.sdf Terminology Loaded:	Refresh NBI Select the root folder after undpong the terminology package. For odder versions of SNOMED (MAY 2014 and odder) you will not be on termino the folder TRF Release of the terminology of the TRF Release of the terminology of terminolo
	Load AMT V2: Folder Zp
	Lead AMT V3: Folder Zp Lead SNOMED: Folder Zp
	Load PBS: Folder Zp
	For AMT data visit this website <u>https://www.netra.cov.au/implementation-resources/ehealth-foundators/australian-medicines.com/indopy</u> For SNOMED data visit this website <u>https://www.netra.cov.au/implementation-resources/ehealth-foundators/aromed-ct-au</u>
	For DRS data via te his vester For DRS data via te his vester select PBS XML Re (ZIP)
Remove old dataset	Compress DB
	Close

In this example, the size of the database before compression is 717 Mb. **Note:** The compression process may take many minutes to complete.

2 View the size of the database again to confirm that the compression has been successful.

U Terminology Terminology Management	
Configuration and Runtime Terminology DB File: Terminology DB.sdf Terminology Loaded:	h NB Select the root folder after unopping the terminology package. For older version of SNOMED (May 2014 and older) you will need to research the folder NFZ Released
	Load AMT V2: Folder Zp Load AMT V3: Folder Zp Load SNOMED: Folder Zp Load PRS: Folder Zp For AMT data visit this website Extension status and the status of
Remove old dataset	For PSS data visit his website, and <u>http://www.obs.oov.au/browsa/doon/bads</u> Compress DB Congress DB

In this example, the size of the database after compression is 484 Mb.

End

4.7 Configure the temporary file location

The Validator stores a set of files for a temporary period. By default these are stored in C:\Nehta\CPV23\Temp although a different location can be selected if required.

1 To change the location used by the Validator to store temporary files, select the **Configuration** menu.

File	Confi	guration	Help	
	File :	Select ar	input file to validate	
Tem	plate:			
Addn	Rules:	Select ad	ditional rules template folder for validation	C

2 Select Manage Temporary File Location.

File	Configuration Help		
	Manage Templates		
	Manage Terminology		
	Manage Temporary File Location		
Temp	plate:	▼	
ddn I	Rules: Select additional rules template folder fo	r validation	

3 Either type the path of the new temporary file location, or use the folder icon to browse for the folder.

Please note the text in RED. The Validator will delete every file and subfolder in this temporary folder, every time it runs. Do not set it to any folder that contains files you need to keep.

]	Configuration	×
Default Ten	mp Directory Path :	_
C:\Nehta\C	CPV23\Temp	
ANYTHING	h to point to where you store your temporary data. PLEASE NO IN THIS DIRECTORY (including sub-directories) WILL BE DELI IE THE VALIDATOR RUNS, so don't set it to a directory where sh to keep.	ETED

4 To save the new temporary file location, select **Save**.

Default Te	mp Directory Path :
C:\Nehta\	CPV23\Temp
Lise this pa	th to point to where you store your temporary data. PLEASE NOTE,
ANYTHING	IN THIS DIRECTORY (including sub-directories) WILL BE DELETED IF THE VALIDATOR RUNS, so don't set it to a directory where you have

4.8 Install a new version of the NEHTA generic style sheet

- The Validator is provided with version 1.2.9 of the NEHTA generic style sheet (Generic CDA[®] Style Sheet stylesheet no CSS v1.2.9) to display clinical documents. This style sheet is available from the <u>NEHTA website³</u> (document identifier NEHTA-1924:2014). To install a different version of the NEHTA generic style sheet, stop the Validator if it is already running.
- 2 Navigate to the folder where the Validator is installed (usually **C:\Nehta\CPV23**) and select the **Stylesheets** subfolder.

😜 🗢 📙 🕨 Computer 🕨 SYSTEM (C:) 🕨 Nehta				✓ Search CPV23		_
e Edit View Tools Help						
Irganize 👻 Include in library 👻 Share with 👻	Burn Ne	folder			8== 💌	
3 Recent Places		Name	Date modified	Туре	Size	
E Desktop (2)		📔 Data	24/06/2015 9:33 PM	A File folder		
		Resources	25/06/2015 10:51	. File folder		
J Libraries		Schematrons	16/06/2015 4:09 PM	A File folder		
Documents	E	Stylesheets	24/06/2015 9:33 PM	A File folder	-	
Music Pictures		🍌 Temp	25/06/2015 10:33	. File folder	_	
Subversion		퉬 Templates	18/06/2015 6:06 PM	A File folder		
🔤 Subversion 🗃 Videos		BouncyCastle.Cr	rypto.dll 27/05/2015 2:37 PM	Application extens	1,392 KB	
Videos		CPValidator	24/06/2015 3:54 PM	Application	3,487 KB	
Computer		CPValidator.exe	22/06/2015 11:31	. CONFIG File	80 KB	
SYSTEM (C:)		😻 ErrorPage	27/05/2015 2:37 PM	A Firefox HTML Doc	1 KB	
CCa		🚳 HtmlAgilityPack	c.dll 27/05/2015 2:37 PM	Application extens	132 KB	
Drivers		Interop.SSCE.dll	24/06/2015 3:54 PM	Application extens	26 KB	
GIRDAC		Ionic.Zip.dll	27/05/2015 2:37 PM	Application extens	452 KB	
		MDM.Common	.dll 27/05/2015 2:37 PM	Application extens	39 KB	
Nehta CPV23		MDM.Generator	.dll 27/05/2015 2:37 PM	Application extens	23 KB	
		MDM.Model.dll	27/05/2015 2:37 PM	Application extens	24 KB	
🎍 Data	-	Nehta.CCA.Com	npositionRoot.dll 24/06/2015 3:54 PM	Application extens	7 KB	

3 Locate and delete the **NEHTA_Generic_CDA_Stylesheet** file from this folder and replace it with the new style sheet, using the same name.

File Edit View Tools Help						
Organize Include in library Share with	Burn New	folder			8== 👻	1 (
Documents	^	Name	Date modified	Туре	Size	
🖻 🎝 Music		CDAValidatorStylesheet	27/05/2015 2:37 PM	XSI Stylesheet	23 KB	
Pictures		INENTA_Generic_CDA_Stylesheet	27/05/2015 2:37 PM		371 KB	
> Subversion		PackageResultStyleSheet.xslt	27/05/2015 2:37 PM		/ KB	
Videos		PackageStylesheet	27/05/2015 2:37 PM	XSL Stylesheet	22 KB	
		schematron-Validator-report	27/05/2015 2:37 PM	XSL Stylesheet	5 KB	
Computer	E	skeleton1-5	27/05/2015 2:37 PM	XSL Stylesheet	22 KB	
∠ SYSTEM (C:) ↓ Log cca		TerminologyStyleSheet.xslt	27/05/2015 2:37 PM	XSLT File	6 KB	
> 🎍 cca > 🖥 Drivers		TestDataStyleSheet.xslt	27/05/2015 2:37 PM	XSLT File	8 KB	
GIRDAC						
4 📕 Nehta						
4 D CPV23						
Data Data						
Resources						
Schematrons						
Stylesheets						
> 퉲 Temp						

4 Start the Validator.

The Validator will now use the new version of the style sheet.

³ <u>https://www.nehta.gov.au/implementation-resources/ehealth-reference-platform/EP-2041-2015/NEHTA-1924-2014</u>

5 Troubleshooting

5.1 Unexpected behaviour

The Validator may display unexpected behaviour if its installation was unsuccessful. If this happens, follow the steps below.

- 1 Uninstall any previous versions of the Validator (Section 2.2).
- 2 Delete the C:\Nehta directory and the temporary file location (Section 4.7).
- 3 Ensure the **Clinical Package Validator 2.3 Install.exe** file is on the desktop or a local drive (e.g. C:\).
- 4 Right click the **Clinical Package Validator 2.3 Install.exe** file and select **Run as administrator**.



- 5 Enter the admin password if requested.
- 6 Complete the installation of the Validator (Section 3).

Acronyms

Acronym	Description
AMT	Australian Medicines Terminology
CDA®	Clinical Document Architecture. CDA is a registered trademark of HL7 International.
CSS	Cascading Style Sheets
DVA	Department of Veterans' Affairs
NASH	National Authentication Service for Health
PBS	Pharmaceutical Benefits Scheme
PCEHR	Personally controlled electronic health record
SNOMED CT	Systematized Nomenclature of Medicine Clinical Terms
SNOMED CT-AU	Systematized Nomenclature of Medicine Clinical Terms – Australia
SVT	Software Vendor Test environment
XML	Extensible Markup Language