



Australian Government
Department of Health

Prosthesis XML Schema

Department of Health
Version 1.2

TABLE OF CONTENTS

1	DOCUMENT CONTROL	4
1.1	DOCUMENT HISTORY	4
1.2	DOCUMENT REVIEW	4
1.3	RELATED DOCUMENTS	4
1.4	GLOSSARY OF TERMS	4
1.5	INTENDED AUDIENCE FOR THIS DOCUMENT:	4
1.6	STAKEHOLDERS	4
2	DOH PROSTHESES FILE BUSINESS RULES	5
2.1	OVERVIEW OF THE DOH PROSTHESES XML FILE	5
2.1.1	Prosthesis XML File Structure	5
3	PROSTHESIS ELEMENT	7
3.1	SUPPLIERS	7
3.2	CATEGORIES	7
3.3	SUBCATEGORIES	7
3.4	GROUPS	8
3.5	SUB GROUPS	8
3.6	PROSTHESIS ITEMS	8
3.7	CREATION DATE	9
3.8	PROSTHESIS ITEM COUNT	9
3.9	SUPPLIER	9
3.9.1	Supplier Code	9
3.9.2	Supplier Name	10
3.10	CATEGORY	10
3.10.1	Category ID	10
3.10.2	Category Description	10
3.11	SUBCATEGORY	11
3.11.1	SubCategory ID	11
3.11.2	SubCategory Description	11
3.12	GROUP	11
3.12.1	Group ID	12
3.12.2	Group Description	12
3.13	SUB GROUP	12
3.13.1	Sub Group ID	12
3.13.2	Sub Group Description	13
3.14	PROSTHESIS ITEMS	13
3.14.1	ProsthesisItem Element	13
3.15	PROSTHESIS ITEM	13
3.15.1	Item Type	13
3.15.2	Billing Code	14
3.15.3	Prior Billing Codes	14

3.15.4	Name	15
3.15.5	Description	15
3.16	SIZE	15
3.17	SUPPLIER CODE	15
3.18	CATEGORY ID	16
3.19	SUBCATEGORY ID	16
3.20	GROUP ID	16
3.21	SUB GROUP ID	16
3.22	SUFFIX	17
3.23	ARTGS	17
3.24	NOTE	18
3.25	CHANGE EXPLANATION	18
3.26	MINIMUM BENEFIT	18
3.27	MAXIMUM BENEFIT	18
3.28	HUMAN TISSUE AMOUNT	19
3.29	ACTION FLAG	19
3.30	CYCLE START DATE	20
3.31	CYCLE END DATE	20
4	PROSTHESIS XML SCHEMA	22
4.1	TECHNICAL NOTE	25

1 DOCUMENT CONTROL

1.1 Document History

The following table contains a history of released versions.

Version number	Version date	Author/s	Summary of changes & comments
1.0	08/06/2018	Department of Health	Initial Draft
1.1	29/08/2018	Department of Health	SubCategoryID made optional, changed data type of CreationDate, changed ARTGType minimum length
1.2	07/02/2019	Department of Health	BillingCode and Cycle End Date made mandatory, corrected some element names, and updated descriptions for Minimum Benefit, Maximum Benefit, Human Tissue Amount, Action Flags and Cycle End Date

1.2 Document Review

This document has been reviewed by:

Version number	Review Date	Name	Project Role

1.3 Related Documents

The following documents should be read in conjunction with this document:

Version number	Name	Owner	Relevance	Trim Ref.

1.4 Glossary of Terms

Term	Description

1.5 Intended Audience for this document:

Audience (project role)	Purpose

1.6 Stakeholders

Stakeholder	Interest	Influence

2 DOH Prostheses File Business Rules

2.1 Overview of the DOH Prostheses XML File

The Department of Health publishes the current Prostheses List for the use of stakeholders to update their claims and payments systems. The current published list is available from Department of Health's website (www.health.gov.au) in MS-Excel, PDF and MS-Access format. For the future lists, the MS-Access format will not be published and will be replaced by XML.

This document is the schema definition document that goes with the Prostheses list in XML format to help the external stakeholders to update their claims and payments systems.

2.1.1 Prosthesis XML File Structure

The proposed XML schema contains all the applicable fields that are supplied in the Prosthesis List Access Database. The *Suppliers*, *Categories*, *Groups* and *Sub-Groups* are supplied under their own elements and only the *Supplier Code*, *Category ID*, *Group ID* and *Sub Group ID* are listed under each *Prosthesis Item* element.

The structure of the XML schema is as follows:

- `Prosthesis` is the root element which contains:
 - one `creationDate` attribute
 - one `prosthesisItemCount` attribute
 - one `Suppliers` element which contains:
 - many `Supplier` elements which contains
 - one `SupplierCode` element
 - one `SupplierName` element
 - one `Categories` element
 - many `Category` elements which contain:
 - one `CategoryID` element
 - one `CategoryDescription` element
 - one `SubCategories` element
 - many `SubCategory` elements which contain:
 - one `SubCategoryID` element
 - one `SubCategoryDescription` element
 - one `Groups` element
 - many `Group` elements which contain:
 - one `GroupID` element
 - one `GroupDescription` element
 - one `SubGroups` element
 - many `SubGroup` elements which contain:
 - one `SubGroupID` element
 - one `SubGroupDescription` element
- one `ProsthesisItems` elements which contain:
 - many `ProsthesisItem` elements which contain:

- one ItemType element
- one BillingCode element
- one optional PriorBillingCodes element
 - many PriorBillingCode elements
- one Name element
- one optional Description element
- one optional Size element
- one SupplierCode element
- one CategoryID element
- one optional SubCategoryID element
- one optional GroupID element
- one optional SubGroupID element
- one optional Suffix element
- one optional ARTGs element which may contain:
 - many ARTG elements
- one optional Note element
- one optional ChangeExplanation element
- one MinimumBenefit element
- one MaximumBenefit element
- one HumanTissueAmount element
- one ActionFlag element
- one CycleStartDate element
- one CycleEndDate element

3 Prosthesis Element

3.1 Suppliers

The `Suppliers` element contains multiple `Supplier` elements, with each `Supplier` element containing a `SupplierCode` element and a `SupplierName` element. Every mandatory `SupplierCode` element contained in a `ProsthesisItem` element will also be contained in the `Suppliers` element.

Suppliers	XML Path	/Prosthesis/Suppliers
Type		Complex
Disposition		Required
Details		Suppliers is a child element of the root Prosthesis element. It contains many Supplier elements.
Example		<pre><Suppliers> <Supplier> : </Supplier> : <Supplier> : </Supplier> </Suppliers></pre>

3.2 Categories

The `Categories` element contains multiple `Category` elements, with each `Category` element containing a `CategoryID` element and a `CategoryDescription` element. Every mandatory `CategoryID` element contained in a `ProsthesisItem` element will also be contained in the `Categories` element.

Categories	XML Path	/Prosthesis/Categories
Type		Complex
Disposition		Required
Details		Categories is a child element of the root Prosthesis element. It contains many Category elements.
Example		<pre><Categories> <Category> : </Category> : <Category> : </Category> </Categories></pre>

3.3 SubCategories

The `SubCategories` element contains multiple `SubCategory` elements, with each `SubCategory` element containing a `SubCategoryID` element and a `SubCategoryDescription` element. Every optional `SubCategoryID` element contained in a `ProsthesisItem` element will also be contained in the `SubCategories` element.

Categories	XML Path	/Prosthesis/SubCategories
Type		Complex
Disposition		Required
Details		SubCategories is a child element of the root Prosthesis element. It contains many SubCategory elements.

```

Example
    <SubCategories>
      <SubCategory>
        :
      </SubCategory>
      :
      <SubCategory>
        :
      </SubCategory>
    </SubCategories>
  
```

3.4 Groups

The `Groups` element contains multiple `Group` elements, with each `Group` element containing a `GroupID` element and a `GroupDescription` element. Every optional `GroupID` element contained in a `ProsthesisItem` element will also be contained in the `Groups` element.

Groups	XML Path	/Prosthesis/Groups
Type		Complex
Disposition		Required
Details		Groups is a child element of the root Prosthesis element. It contains many Group elements.
Example		<pre> <Groups> <Group> : </Group> : <Group> : </Group> </Groups> </pre>

3.5 Sub Groups

The `SubGroups` element contains multiple `SubGroup` elements, with each `SubGroup` element containing a `SubGroupID` element and a `SubGroupDescription` element. Every optional `SubGroupID` element contained in a `ProsthesisItem` element will also be contained in the `SubGroups` element.

Subgroups	XML Path	/Prosthesis/SubGroups
Type		Complex
Disposition		Required
Details		SubGroups is a child element of the root Prosthesis element. It contains many SubGroup elements.
Example		<pre> <SubGroups> <SubGroup> : </SubGroup> : <SubGroup> : </SubGroup> </SubGroups> </pre>

3.6 Prosthesis Items

The `ProsthesisItems` element contains multiple `ProsthesisItem` elements. It is each `ProsthesisItem` element which contains all data elements as supplied by the Department regarding each specific prosthesis item.

Prosthesis Items	XML Path	/Prosthesis/ProsthesisItems
Type		Complex
Disposition		Required

Details	ProsthesisItems is a child element of the root Prosthesis element. It contains many Prosthesis elements.
Example	<pre><ProsthesisItems> <ProsthesisItem> : </ProsthesisItem> : <ProsthesisItem> : </ProsthesisItem> </ProsthesisItems></pre>

3.7 Creation Date

The creationDate is an attribute of the Prosthesis element and is the date that the Prosthesis File was created. The date is supplied in 'YYYY-MM-DDThh:mm:ss' format.

Creation Date	XML Path	/Prosthesis/@creationDate
Type		Date
Disposition		Required
Details		Denotes the date/time the XML file was created in YYYY-MM-DDThh:mm:ss format: <ul style="list-style-type: none"> • YYYY - year • MM - month • DD - day • hh - hour • mm - minute • ss - second
Example		creationDate="2018-02-28T11:30:45"

3.8 Prosthesis Item Count

Prosthesis Item Count	XML Path	/Prosthesis/@prosthesisItemCount
Type		Non-Negative Integer
Disposition		Required
Details		Denotes the number of child ProsthesisItem elements of the parent ProsthesisItems element.
Example		prosthesisItemCount="3873"

3.9 Supplier

Each Supplier element contains a SupplierCode element and a SupplierName element.

Supplier	XML Path	/Prosthesis/Suppliers/Supplier
Type		Complex
Disposition		Required
Details		The child element of the Suppliers element.
Example		<pre><Supplier> : </Supplier></pre>

3.9.1 Supplier Code

The SupplierCode element contains a unique code for the supplier, sponsor, manufacturer or facility that produces the prosthesis item. For (surgically-implanted or other medical devices) prosthesis items (Item Type = 'Prosthesis' or 'Other'), the supplier code is a two-character alphanumeric code. For human tissue items (Item Type = 'Human Tissue'), the supplier code is a three-character alphabetical code.

Supplier Code Type	XML Path	/Prosthesis/Suppliers/Supplier/SupplierCode String
Disposition Details		<ul style="list-style-type: none"> • minLength value="2" • maxLength value="3" • pattern value="[A-Za-z][A-Za-z0-9][A-Za-z]{3}" Required Denotes the code used to represent the supplier, sponsor, manufacturer or facility that produces the prosthesis item.
Example		<SupplierCode>AA</SupplierCode>

3.9.2 Supplier Name

The `SupplierName` element contains the name of the supplier, sponsor, manufacturer or facility that produces the prosthesis item. The maximum length of `SupplierName` is 255 characters.

Supplier Name Type	XML Path	/Prosthesis/Suppliers/Supplier/SupplierName String
Disposition Details		<ul style="list-style-type: none"> • maxLength value="255" Required Denotes the name of the supplier, sponsor, manufacturer or facility that produces the prosthesis item.
Example		<SupplierName>Alliance Surgical</SupplierName>

3.10 Category

Each `Category` element contains a `CategoryID` element and a `CategoryDescription` element.

Category Type	XML Path	/Prosthesis/Categories/Category Complex
Disposition Details		Required The child element of the <code>Categories</code> element.
Example		<Category> : </Category>

3.10.1 Category ID

The `CategoryID` element contains a unique code for the category of the prosthesis item which is a description of the surgical specialty that uses the respective prosthesis item. The `CategoryID` is a non-negative integer.

Category ID Type	XML Path	/Prosthesis/Categories/Category/CategoryID Non-negative integer
Disposition Details		Required Denotes the ID number used to represent the category of the prosthesis item.
Example		<CategoryID>1</CategoryID>

3.10.2 Category Description

The `CategoryDescription` element is a description of the surgical specialty that uses the respective prosthesis item. The maximum length of `CategoryDescription` is 255 characters.

Category Description	XML Path	/Prosthesis/Categories/Category/CategoryDescription
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Type	String • maxLength value="255"
Disposition Details	Required Denotes the description of the surgical specialty that uses the prosthesis item.
Example	<CategoryDescription>01 - Ophthalmic</CategoryDescription>

3.11 SubCategory

Each SubCategory element contains a SubCategoryID element and a SubCategoryDescription element.

SubCategory Type	XML Path	/Prosthesis/SubCategories/SubCategory
Disposition Details		Complex Required The child element of the SubCategories element.
Example		<SubCategory> : </SubCategory>

3.11.1 SubCategory ID

The SubCategoryID element contains a unique code for the category of the prosthesis item which is a description of the surgical specialty that uses the respective prosthesis item. The SubCategoryID is as a non-negative integer.

SubCategory ID Type	XML Path	/Prosthesis/SubCategories/SubCategory/SubCategoryID
Disposition Details		Non-negative integer Required Denotes the ID number used to represent the category of the prosthesis item.
Example		<SubCategoryID>1</SubCategoryID>

3.11.2 SubCategory Description

The SubCategoryDescription element is a description of the surgical specialty that uses the respective prosthesis item. The maximum length of SubCategoryDescription is 255 characters.

SubCategory Description Type	XML Path	/Prosthesis/SubCategories/SubCategory/SubCategoryDescription
Disposition Details		String • maxLength value="255" Required Denotes the description of the surgical specialty that uses the prosthesis item.
Example		<SubCategoryDescription>03-INTRAOCULAR FLUIDS</SubCategoryDescription>

3.12 Group

Each Group element contains a GroupID element and a GroupDescription element.

Group	XML Path	/Prosthesis/Groups/Group
Type		Complex
Disposition		Required
Details		The child element of the Groups element.
Example		<Group> : </Group>

3.12.1 Group ID

The `GroupID` element contains a unique code for the group of the prosthesis item which is a description of the primary clinical classification of the prosthesis item as defined by the Clinical Advisory Group. The `GroupID` is as a non-negative integer.

Group ID	XML Path	/Prosthesis/Groups/Group/GroupID
Type		Non-negative integer
Disposition		Required
Details		Denotes the ID number used to represent the group of the prosthesis item.
Example		<GroupID>1231</GroupID>

3.12.2 Group Description

The `GroupDescription` element contains the description of the primary clinical classification of the prosthesis item as defined by the Clinical Advisory Group of the respective prosthesis item. The maximum length of `GroupDescription` is 255 characters.

Group Description	XML Path	/Prosthesis/Groups/Group/GroupDescription
Type		String • maxLength value="255"
Disposition		Required
Details		Denotes the description of the group of the prosthesis item.
Example		<GroupDescription>06.03.04 - Screws</GroupDescription>

3.13 Sub Group

Each `SubGroup` element contains a `SubGroupID` element and a `SubGroupDescription` element.

Sub Group	XML Path	/Prosthesis/SubGroups/SubGroup
Type		Complex
Disposition		Required
Details		The child element of the SubGroups element.
Example		<SubGroup> : </SubGroup>

3.13.1 Sub Group ID

The `SubGroupID` contains a unique code for the sub-group of the prosthesis item which is a description of the secondary clinical classification of the prosthesis item as defined by the Clinical Advisory Group. The `SubGroupID` is as a non-negative integer.

Sub Group 1 ID	XML Path	/Prosthesis/SubGroups/SubGroup/SubGroupID
Type		Non-negative integer

Disposition Details	Required Denotes the ID number used to represent the sub-group of the prosthesis item.
Example	<SubGroupID>3369</SubGroupID>

3.13.2 Sub Group Description

The `SubGroupDescription` element contains the description of the secondary clinical classification of the prosthesis item as defined by the Clinical Advisory Group of the respective prosthesis item. The maximum length of `SubGroupDescription` is 255 characters.

Sub Group Description Type	XML Path /Prosthesis/SubGroups/SubGroup/SubGroupDescription String • maxLength value="255"
Disposition Details	Required Denotes the description of the sub-group of the prosthesis item.
Example	<SubGroupDescription>06.03.04.01 - Standard (=4.5mm)</SubGroupDescription>

3.14 Prosthesis Items

The `ProsthesisItems` element contains many `ProsthesisItem` elements.

3.14.1 ProsthesisItem Element

The `ProsthesisItem` element is a *complexType* element which contains the data fields which define all the properties of a prosthesis item.

Prosthesis Item Type	XML Path /Prosthesis/ProsthesisItems/ProsthesisItem Complex
Disposition Details	Required ProsthesisItem is a child element of the ProsthesisItems element. It contains the data which defines the properties of a prosthesis item.
Example	<ProsthesisItem> : </ProsthesisItem>

3.15 Prosthesis Item

The `ProsthesisItem` element contains the data elements related to a prosthesis item. In this specification, surgically-implanted prostheses, human tissue, and other medical devices are generically referred to as 'prostheses'. However, they are all differentiated by the inclusion of an 'Item Type' data element which identifies which category the item falls into.

3.15.1 Item Type

The `ItemType` element denotes whether the prosthesis item is defined as a:

- **surgically-implanted prosthesis** item (`ItemType` = 'Prosthesis');
- **human tissue** item (`ItemType` = 'Human Tissue'); or
- **other medical devices** item (`ItemType` = 'Other').

Item Type Type	XML Path /Prosthesis/ProsthesisItems/ProsthesisItem/ItemType String • enumeration value="Prosthesis" • enumeration value="Human Tissue"
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	<ul style="list-style-type: none"> enumeration value="Other"
Disposition Details	Required ItemType denotes whether the prosthesis item is a prosthesis, human tissue, or other item.
Example	<ItemType>Prosthesis</ItemType>

3.15.2 Billing Code

The `BillingCode` element is the code supplied by the Commonwealth which identifies the prosthesis item. This code is used for all billing purposes by the hospital and fund. This code should also be used for all HCP data submissions.

Billing Code Type	XML Path	/Prosthesis/ProsthesisItems/ProsthesisItem/BillingCode String <ul style="list-style-type: none"> minLength value="5" maxLength value="7" pattern value="[A-Za-z][A-Za-z0-9][0-9]{3} [A-Za-z]{3}[0-9]{2} [A-Za-z]{3}[0-9]{4}"
Disposition Details		Required BillingCode is the code to be used for all billing purposes for the prosthesis item.
Example		<BillingCode>A1003</BillingCode>

3.15.3 Prior Billing Codes

The `PriorBillingCodes` element is a complex element that contains many `PriorBillingCode` elements. This element is optional.

PriorBillingCodes Type	XML Path	/Prosthesis/ProsthesisItems/ProsthesisItem/PriorBillingCodes Complex Optional
Disposition Details		PriorBillingCode is a child element of the ProsthesisItem element and contains many PriorBillingCode elements.
Example		< PriorBillingCodes > <PriorBillingCode>...</PriorBillingCode> : < PriorBillingCode >...</ PriorBillingCode> </PriorBillingCodes >

3.15.3.1 Prior Billing Code

The `PriorBillingCode` element is the former Billing Code that used to be associated with the prosthesis item. It is provided in instances where the prosthesis item now has a new billing code.

PriorBillingCode Type	XML Path	/Prosthesis/ProsthesisItems/ProsthesisItem/ PriorBillingCodes/PriorBillingCode String <ul style="list-style-type: none"> minLength value="5" maxLength value="7" pattern value="[A-Za-z][A-Za-z0-9][0-9]{3} [A-Za-
------------------------------	-----------------	--

	<code>z]{3}[0-9]{2} [A-Za-z]{3}[0-9]{4}"</code>
Disposition Details	Optional PriorBillingCode is a former Billing code associated with the Prostheses item.
Example	<code>< PriorBillingCode >AE252</PriorBillingCode></code>

3.15.4 Name

The `Name` element contains the name of the prosthesis item. The maximum length of `Name` is 1,024 characters.

Name Type	XML Path	<code>/Prosthesis/ProsthesisItems/ProsthesisItem/Name</code> String • <code>maxLength value="1024"</code>
Disposition Details		Required Name is the name of the prosthesis item.
Example		<code><Name>TyPEEK Interbody System - Lumbar PLIF/TLIF (Paired)</Name></code>

3.15.5 Description

The `Description` element is a text field that contains a description of the prosthesis item, and is necessary as many prosthesis items may have similar product names. This element is optional. The maximum length of `Description` is 4,000 characters.

Description Type	XML Path	<code>/Prosthesis/ProsthesisItems/ProsthesisItem/Description</code> String • <code>maxLength value="4000"</code>
Disposition Details		Optional Description is an additional description of the prosthesis item.
Example		<code><Description>TyPEEK Interbody System - Lumbar PLIF/TLIF (Paired)</Description></code>

3.16 Size

The `Size` is a text field that contains information regarding to size or quantities of the prosthesis item. This element is optional. The maximum length of `Size` is 4,000 characters.

Size Type	XML Path	<code>/Prosthesis/ProsthesisItems/ProsthesisItem/Size</code> String • <code>maxLength value="4000"</code>
Disposition Details		Optional Size is a description that defines the size of the prosthesis item.
Example		<code><Size>Width 8-12mm: Length 22-34mm: Height 7-17mm: Lordosis Angle 0-8 degrees</Size></code>

3.17 Supplier Code

The `SupplierCode` element contains a code which denotes the supplier, sponsor, manufacturer or facility that produces the prosthesis item. For (surgically-implanted or other medical devices)

prosthesis items (ItemType = 'Prosthesis' or 'Other'), the supplier code is a two-character code. For human tissue items (ItemType = 'Human Tissue'), the supplier code is a three-character code.

Supplier Code Type	XML Path	/Prosthesis/ProsthesisItems/ProsthesisItem/SupplierCodeString •minLength value="2" •maxLength value="3" •pattern value="[A-Za-z][A-Za-z0-9] [A-Za-z]{3}"
Disposition Details		Required SupplierCode is a code that denotes the supplier of the prosthesis item.
Example		<SupplierCode>BP</SupplierCode>

3.18 Category ID

The CategoryID element contains a code which denotes the category of the prosthesis item which is a description of the surgical specialty that uses the respective prosthesis item. The CategoryID is a non-negative integer.

Category ID Type	XML Path	/Prosthesis/ProsthesisItems/ProsthesisItem/CategoryID Non-negative integer
Disposition Details		Required CategoryID is an ID number that denotes the category of the prosthesis item.
Example		<CategoryID>19</CategoryID>

3.19 SubCategory ID

The SubCategoryID element contains a code denoting the sub category of the prosthesis item which is a description of the primary clinical classification of the prosthesis item as defined by the Clinical Advisory Group. The SubCategoryID is a non-negative integer and is optional.

Category ID Type	XML Path	/Prosthesis/ProsthesisItems/ProsthesisItem/SubCategoryID Non-negative integer
Disposition Details		Optional SubCategoryID is an ID number that denotes the subcategory of the prosthesis item.
Example		<SubCategoryID>19</SubCategoryID>

3.20 Group ID

The GroupID element contains a code denoting the group of the prosthesis item which is a description of the primary clinical classification of the prosthesis item as defined by the Clinical Advisory Group. The GroupID is a non-negative integer and is optional.

Group ID Type	XML Path	/Prosthesis/ProsthesisItems/ProsthesisItem/GroupID Non-negative integer
Disposition Details		Optional GroupID is an ID number that denotes the group of the prosthesis item.
Example		<GroupID>1486</GroupID>

3.21 Sub Group ID

The SubGroupID contains a code which denotes the sub-group of the prosthesis item which is a description of the secondary clinical classification of the prosthesis item as defined by the Clinical Advisory Group. The SubGroupID is a non-negative integer and is optional.

Sub Group ID Type	XML Path	/Prosthesis/ProsthesisItems/ProsthesisItem/SubGroupID
Disposition Details		Non-negative integer Optional SubGroupID is an ID number that denotes the sub-group of the prosthesis item.
Example		<SubGroupID>4135</SubGroupID>

3.22 Suffix

The `Suffix` element contains a text description in addition to the Grouping and Sub-Groupings of the prosthesis item (if required) by the Clinical Advisory Group. The `Suffix` element is optional. The maximum length of `Suffix` is 255 characters.

Suffix Type	XML Path	/Prosthesis/ProsthesisItems/ProsthesisItem/Suffix
Disposition Details		String • maxLength value="255" Optional Suffix is text description of an additional sub-grouping to further differentiate the sub-group of the prosthesis item.
Example		<Suffix>Paired</Suffix>

3.23 ARTGs

The `ARTGs` element is a complex element that contains many `ARTG` elements. This element contains all the *Australian Register of Therapeutic Goods* information related to this prosthesis item. This element is optional.

ARTGs Type	XML Path	/Prosthesis/ProsthesisItems/ProsthesisItem/ARTGs
Disposition Details		Complex Optional ARTGs is a child element of the ProsthesisItem element and contains many ARTG elements.
Example		<ARTGs> <ARTG>...</ARTG> : <ARTG>...</ARTG> </ARTGs>

8.12.1 ARTG

The `ARTG` element contains the six digit ARTG number associated with the prosthesis item. Each prosthesis item may have many ARTG numbers.

ARTG Type	XML Path	/Prosthesis/ProsthesisItems/ProsthesisItem/ARTGs/ARTG
Disposition		String • minLength value="5" • maxLength value="6" • pattern value="[0-9]{5,6}" Required
Details		ARTG is a child element of the ARTGs element and contains an Australian Register of Therapeutic Goods number.
Example		<ARTG>163167</ARTG>

3.24 Note

The `Note` element is a text field supplied by the Commonwealth providing additional information regarding the prosthesis item usually regarding under what conditions a benefit is payable or informing that a prosthesis item has been temporarily approved. The `Note` element is optional. The maximum length of `Notations` is 4,000 characters.

Note Type	XML Path	<code>/Prosthesis/ProsthesisItems/ProsthesisItem/Note</code> String • <code>maxLength value="4000"</code>
Disposition Details		Optional Note contains additional text usually regarding under what conditions a benefit is payable for the respective prosthesis item.
Example		<code><Note>That an Artificial Ligament should only be funded for intra-articular cases where no non-synthetic graft sources (allografts and autografts) are available.</Note></code>

3.25 Change Explanation

The `ChangeExplanation` element is a text field supplied by the Commonwealth documenting any changes that have occurred. The `ChangeExplanation` element is optional. The maximum length of `ChangeExplanation` is 4,000 characters.

Change Explanation Type	XML Path	<code>/Prosthesis/ProsthesisItems/ProsthesisItem/ChangeExplanation</code> String • <code>maxLength value="4000"</code>
Disposition Details		Optional <code>ChangeExplanation</code> defines if and how the prosthesis item has changed.
Example		<code><ChangeExplanation>New Listing</ChangeExplanation></code>

3.26 Minimum Benefit

The `MinimumBenefit` element contains the benefit that has been set by the Minister. This is the benefit that a fund must pay for the respective prosthesis item. As the prosthesis supplier is entitled to charge above the amount stipulated by the Minimum Benefit, any difference is the out-of-pocket amount that must be paid by the fund member unless the fund agrees to pay above the Minimum Benefit amount. Whether funds pay above the Minimum Benefit amount is a fund decision and something that each fund must decide for themselves independently.

The `MinimumBenefit` element is a decimal number with up to two decimal places.

Minimum Benefit Type	XML Path	<code>/Prosthesis/ProsthesisItems/ProsthesisItem/MinimumBenefit</code> Decimal • <code>minInclusive value="0.0"</code>
Disposition Details		Required <code>MinimumBenefit</code> is the minimum benefit that a health fund must pay for the prosthesis item used for one of its members (assuming the charge is not less than the minimum benefit).
Example		<code><MinimumBenefit>4439</MinimumBenefit></code>

3.27 Maximum Benefit

The `MaximumBenefit` element contains the benefit that has been set by the Minister (if a maximum benefit has been set). This is the maximum benefit that a fund must pay for the respective prosthesis item if the fund provides gap cover for prostheses. As the prosthesis supplier is entitled to charge above the amount stipulated by the Minimum Benefit, any difference is the out-of-pocket amount that must be paid by the fund member unless the fund agrees to pay above the Minimum Benefit amount. Whether funds pay above the Minimum Benefit amount is a fund decision and something that each fund must decide for themselves independently.

The `MaximumBenefit` element is a decimal number with up to two decimal places.

Note that this field is not in use as of February 2019 so the default value supplied for this field is 0.

Maximum Benefit Type	XML Path	<code>/Prosthesis/ProsthesisItems/ProsthesisItem/MaximumBenefit</code> Decimal • <code>minInclusive value="0.0"</code>
Disposition Details		Required MaximumBenefit is the maximum benefit that a health fund must pay for the prosthesis item used for one of its members
Example		<code>< MaximumBenefit >4439</ MaximumBenefit></code>

3.28 Human Tissue Amount

The `HumanTissueAmount` element is the charge that has been stipulated by the Commonwealth for the respective human tissue item. This is the minimum amount that that a private health insurer must pay in respect of the listed human tissue item.

When `ItemType` is 'Prosthesis' or 'Other', the Human Tissue Amount will always be zero. Otherwise, when `ItemType` is 'Human Tissue', the Human Tissue Amount will be greater than or equal to zero.

The `HumanTissueAmount` element is a decimal number with up to two decimal places.

Human Tissue Amount Type	XML Path	<code>/Prosthesis/ProsthesisItems/ProsthesisItem/HumanTissueAmount</code> Decimal • <code>minInclusive value="0.0"</code>
Disposition Details		Required HumanTissueAmount is the amount that a health fund must pay for the human tissue item used for one of its members.
Example		<code><HumanTissueAmount>374</HumanTissueAmount></code>

3.29 Action Flag

The `ActionFlag` element identifies whether the prosthesis item is an addition, update, deletion or unchanged.

Action Flag Type	XML Path	<code>/Prosthesis/ProsthesisItems/ProsthesisItem/ActionFlag</code> String • <code>enumeration value="Insert"</code> • <code>enumeration value="Update"</code> • <code>enumeration value="Delete"</code> • <code>enumeration value="No Change"</code>
Disposition		Required

Details	ActionFlag indicates if the elements within this ProsthesisItem element are being inserted, updated, deleted or remain unchanged.
Example	<ActionFlag>Update</ActionFlag>

1. When the ActionFlag has a value of 'Insert', the prosthesis item is being added to the prosthesis list which takes effect on the Cycle Start Date and Cycle End Date.
2. When the ActionFlag has a value of 'Update', then the details of the prosthesis item are being updated, and the update takes effect from the Cycle End Date.
3. 8.17.3 When the ActionFlag has a value of 'Delete', the prosthesis item is being deleted from the prosthesis list with the date of deletion being the Cycle End Date. No charge for the prosthesis item can be made from this date onwards. Hospitals may continue to use the prosthesis item after deletion from the prosthesis list, but no charge to the fund can be raised.
4. 8.17.4 When the ActionFlag has a value of 'No Change', then the details of the prosthesis item are unchanged since the previously supplied prosthesis file.

The ActionFlag element is mandatory and can only take the value 'Insert', 'Update', 'Delete' or 'No Change'.

3.30 Cycle Start Date

The CycleStartDate element is the date that the prosthesis item was first added to the Prosthesis List by the Commonwealth.

The CycleStartDate element is mandatory and is supplied in 'yyyy-mm-dd' format.

Start Date	XML Path	/Prosthesis/ProsthesisItems/ProsthesisItem/ CycleStartDate
Type		Date
Disposition		Required
Details		CycleStartDate is the date the prosthesis item was first added onto the prosthesis list.
Example		< CycleStartDate >2001-02-28</ CycleStartDate >

3.31 Cycle End Date

The CycleEndDate element is the effective date for items listed in the current cycle. For items that are being deleted this cycle, it is the date that the prosthesis item is deleted from the Prosthesis List by the Commonwealth.

The CycleEndDate element is mandatory and is supplied in 'yyyy-mm-dd' format.

End Date	XML Path	/Prosthesis/ProsthesisItems/ProsthesisItem/CycleEndDate
Type		Date
Disposition		Optional
Details		CycleEndDate is the effective date of the current cycle or the date the prosthesis item was deleted from the prosthesis list.
Example		< CycleEndDate >2017-02-28</ CycleEndDate >

4 Prosthesis XML Schema

```

<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns="http://health.gov.au/plms/schema/V1.1"
  targetNamespace="http://health.gov.au/plms/schema/V1.1"
  elementFormDefault="qualified">
  <!-- elements -->
  <xs:element name="Prosthesis" type="ProsthesisType" />

  <!-- complexTypes -->
  <xs:complexType name="ARTGsType">
    <xs:sequence>
      <xs:element name="ARTG" type="ARTGType" maxOccurs="unbounded" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="CategoriesType">
    <xs:sequence>
      <xs:element name="Category" type="CategoryType"
maxOccurs="unbounded" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="CategoryType">
    <xs:sequence>
      <xs:element name="CategoryID" type="IDType" />
      <xs:element name="CategoryDescription" type="StringType255" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="SubCategoriesType">
    <xs:sequence>
      <xs:element name="SubCategory" type="SubCategoryType"
maxOccurs="unbounded" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="SubCategoryType">
    <xs:sequence>
      <xs:element name="SubCategoryID" type="IDType" />
      <xs:element name="SubCategoryDescription" type="StringType255"
/ >
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="GroupsType">
    <xs:sequence>
      <xs:element name="Group" type="GroupType" maxOccurs="unbounded"
/ >
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="GroupType">
    <xs:sequence>
      <xs:element name="GroupID" type="IDType" />
      <xs:element name="GroupDescription" type="StringType255" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="ProsthesisItemsType">
    <xs:sequence>
      <xs:element name="ProsthesisItem" type="ProsthesisItemType"
maxOccurs="unbounded" />
    </xs:sequence>
  </xs:complexType>
  <xs:complexType name="ProsthesisItemType">
    <xs:sequence>
      <xs:element name="ItemType" type="ItemTypeType" />
      <xs:element name="BillingCode" type="BillingCodeType" />
      <xs:element name="PriorBillingCodes" type="PriorBillingCodeType"
minOccurs="0" />
      <xs:element name="Name" type="NameType" />
      <xs:element name="Description" type="StringType4000"
minOccurs="0" />
      <xs:element name="Size" type="StringType4000" minOccurs="0" />
      <xs:element name="SupplierCode" type="SupplierCodeType" />
      <xs:element name="CategoryID" type="IDType" />
      <xs:element name="SubCategoryID" type="IDType" minOccurs="0" />

```

```

        <xs:element name="GroupID" type="IDType" minOccurs="0" />
        <xs:element name="SubGroupID" type="IDType" minOccurs="0" />
        <xs:element name="Suffix" type="StringType255" minOccurs="0" />
        <xs:element name="ARTGs" type="ARTGsType" minOccurs="0" />
        <xs:element name="Note" type="StringType4000" minOccurs="0" />
        <xs:element name="ChangeExplanation" type="StringType4000"
minOccurs="0" />
        <xs:element name="MinimumBenefit" type="DecimalType"/>
        <xs:element name="MaximumBenefit" type="DecimalType"/>
        <xs:element name="HumanTissueAmount" type="DecimalType" />
        <xs:element name="ActionFlag" type="ActionFlagType" />
        <xs:element name="CycleStartDate" type="DateType" />
        <xs:element name="CycleEndDate" type="DateType" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="ProsthesisType">
    <xs:sequence>
        <xs:element name="Suppliers" type="SuppliersType" />
        <xs:element name="Categories" type="CategoriesType" />
        <xs:element name="SubCategories" type="SubCategoriesType" />
        <xs:element name="Groups" type="GroupsType" />
        <xs:element name="SubGroups" type="SubGroupsType" />
        <xs:element name="ProsthesisItems" type="ProsthesisItemsType" />
    </xs:sequence>
    <xs:attribute name="creationDate" type="xs:dateTime" use="required" />
    <xs:attribute name="prosthesisItemCount" type="IntegerTypeN"
        use="required" />
</xs:complexType>
<xs:complexType name="SubGroupsType">
    <xs:sequence>
        <xs:element name="SubGroup" type="SubGroupType"
maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="SubGroupType">
    <xs:sequence>
        <xs:element name="SubGroupID" type="IDType" />
        <xs:element name="SubGroupDescription" type="StringType255" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="SuppliersType">
    <xs:sequence>
        <xs:element name="Supplier" type="SupplierType"
maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="SupplierType">
    <xs:sequence>
        <xs:element name="SupplierCode" type="SupplierCodeType" />
        <xs:element name="SupplierName" type="StringType255" />
    </xs:sequence>
</xs:complexType>
<xs:complexType name="PriorBillingCodeType">
    <xs:sequence>
        <xs:element name="PriorBillingCode" type="BillingCodeType"
maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
<!-- simpleTypes -->
<xs:simpleType name="ActionFlagType">
    <xs:restriction base="xs:string">
        <xs:enumeration value="Insert" />
        <xs:enumeration value="Update" />
        <xs:enumeration value="Delete" />
        <xs:enumeration value="No Change" />
    </xs:restriction>
</xs:simpleType>
<xs:simpleType name="ARTGType">
    <xs:restriction base="xs:string">
        <xs:minLength value="5" />
        <xs:maxLength value="6" />
        <xs:pattern value="[0-9]{5,6}" />
    </xs:restriction>
</xs:simpleType>

```

```

        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="BillingCodeType">
        <xs:restriction base="xs:string">
            <xs:minLength value="5" />
            <xs:maxLength value="7" />
            <xs:pattern value="[A-Za-z]{2}[0-9]{3}|[A-Za-z]{3}[0-9]{2}|[A-
Za-z]{3}[0-9]{4}" />
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="BooleanType">
        <xs:restriction base="xs:string">
            <xs:pattern value="Yes" />
            <xs:pattern value="No" />
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="DateType">
        <xs:restriction base="xs:date">
            <xs:minInclusive value="2000-01-01" />
            <xs:maxInclusive value="2100-12-31" />
            <xs:pattern value=".{10}" />
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="DecimalType">
        <xs:restriction base="xs:decimal">
            <xs:minInclusive value="0.0" />
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="IDType">
        <xs:restriction base="xs:nonNegativeInteger" />
    </xs:simpleType>
    <xs:simpleType name="IntegerTypeN">
        <xs:restriction base="xs:nonNegativeInteger" />
    </xs:simpleType>
    <xs:simpleType name="IntegerTypeP">
        <xs:restriction base="xs:positiveInteger" />
    </xs:simpleType>
    <xs:simpleType name="ItemTypeType">
        <xs:restriction base="xs:string">
            <xs:enumeration value="Prosthesis" />
            <xs:enumeration value="Human Tissue" />
            <xs:enumeration value="Other" />
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="NameType">
        <xs:restriction base="xs:string">
            <xs:maxLength value="1024" />
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="StringType255">
        <xs:restriction base="xs:string">
            <xs:maxLength value="255" />
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="StringType4000">
        <xs:restriction base="xs:string">
            <xs:maxLength value="4000" />
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="StringType50">
        <xs:restriction base="xs:string">
            <xs:maxLength value="50" />
        </xs:restriction>
    </xs:simpleType>
    <xs:simpleType name="SupplierCodeType">
        <xs:restriction base="xs:string">
            <xs:minLength value="2" />
            <xs:maxLength value="3" />
            <xs:pattern value="[A-Za-z]{2}|[A-Za-z]{3}" />
        </xs:restriction>
    </xs:simpleType>
</xs:schema>

```


4.1 Technical Note

In line with W3C XML standards special and whitespace characters will be substituted in text fields.

For example "&" will be substituted by "&" and CR(Carriage Return) will be substituted by "".