



# NHS dictionary of medicines and devices (dm+d)

Technical specification of data files for release 2 of the Dictionary of Medicines and Devices (dm+d)

Release 2.0 Version 3.1 May 2015

This document is produced and maintained by NHS Prescription Services (provided by NHS Business Services Authority) in partnership with the Health and Social Care Information Centre (HSCIC).

# **Document control since 2013**

Version	Date issued	Brief summary of change	Amended / Approved by
07/08/2013	Release 2.0 Version 3.0	Extract Format amended to include GTIN zip file Supplementary files amended to reflect removal of GTIN content GTINs to be 13 or 14 character in length Reference to CSM amended to EMA Reference to ZERO_DISCD amended to DND Former Appendix C GTIN TAG Name and associated details revised and incorporated into Appendix A	NHSBSA
May 2015	Release 2.0 Version 3.1	Partition of document control with the historical records prior to 2013 now located in Annex I towards the end of the document	NHSBSA

# **Contents**

		Page
1	Introduction	4
2	dm+d Release 2 Database Structure	4
	2.1 dm+d Release 2 Extract Timetable	6
	2.2 dm+d Release 2 Extract Files (General)	6
3	Extract Format	7
	3.1 Access to Extract	8
	3.2 Implementation Guidelines	8
4	Supplementary Files	8
Ap	pendices	
Α	Detailed Description of XML Files (including GTIN File)	9
В	Detailed Description of BNF/ATC XML Files	33
An	nex 1	
	Historical Issue Sheet	34
	Document control prior to 2013	34

## 1 Introduction

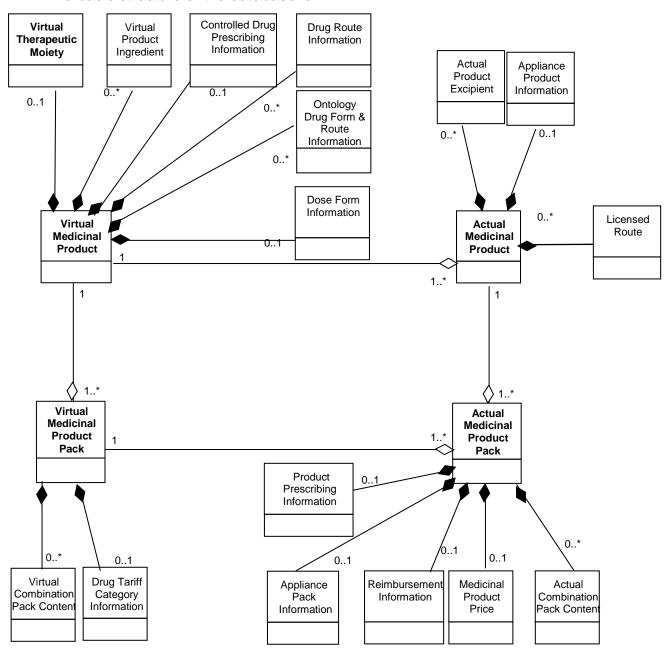
This document identifies the technical specifications of the data files for distributing the information contained in release 2 of the Dictionary of Medicines and Devices (dm+d).

It will describe the form and the format of the files, how they can be accessed and how they need to be processed in order to create a useable database and ensure data integrity.

## 2 dm+d Release 2 Database Structure

The dm+d release 2 database consists of five major concept areas and a number of ancillary support areas and is fully described in the documents 'NHS dictionary of medicines and devices Data Model' and NHS Dictionary of Medicines and Devices Editorial Policy.

#### The basic structure of the database is:



#### The 5 main concepts are:

- Virtual Therapeutic Moiety (VTM)
- Virtual Medicinal Product (VMP)
- Actual Medicinal Product (AMP)
- Virtual Medicinal Product Pack (VMPP)
- Actual Medicinal Product Pack (AMPP)

The cardinality on the diagram depicts:

- Each VTM can have many VMP's associated
- Each VMP can be related to a single VTM
- Each VMP can have many AMP's associated
- Each AMP is related to a single VMP
- Each AMP can have many AMPP's associated
- Each AMPP is related to a single AMP
- Each VMP can have many VMPP's associated
- Each VMPP is related to a single VMP
- Each VMPP can have many AMPP's associated
- Each AMPP is related to a single VMPP

Two extra areas have been identified to hold common data:

- Ingredients (shown in the diagram as Virtual Product Ingredient and Actual Product Excipient).
- Lookup (these are items held as codes within the model but with a narrative meaning eg Virtual medicinal product prescribing status is stored as 1 or 2 but these values relate to "Valid as a prescribable product" and "Invalid to prescribe in NHS primary care" respectively). Other values are available, see lookup file for the complete list.

#### 2.1 dm+d Release 2 Extract Timetable

Once a week a full extract of the database will be published. This will be in a zipped format in order to minimise the download time. The data will be available for download from TRUD (Terminology Release Update Distribution). This is a service provided by the Health and Social Care Information Centre.

## 2.2 dm+d Release 2 Extract Files (General)

All files extracted from the database will be in XML format (.xml) and will be provided with an associated schema file (.xsd) that describes the format of the XML file and can be used to validate the XML file structure.

There will be a total of 7 XML files and associated schemas made available as per the agreed timetable.

#### 3 Extract Format

Each week 7 files (and 1 further GTIN zip file, see note below) will be extracted relating to the following areas of the database:

- Virtual Therapeutic Moieties File (will contain all VTM's)
- Virtual Medicinal Product File (will contain all VMP's)
- Actual Medicinal Product File (will contain all AMP's)
- Virtual Medicinal Product Pack File (will contain all VMPP's)
- Actual Medicinal Product Pack File (will contain all AMPP's)
- Ingredient File (will contain all ingredients associated with active VMP's and AMP's)
- Lookup File (will contain descriptions of all items that are held as codes in the other files).

A full description of these files is given in appendix A.

This set of files represents the entire data population of the dictionary at a specific point in time and must be combined to give a true image of the database.

In order to maintain referential integrity within the target database the files need to be loaded in the following order:

- i) Lookup/Ingredient
- ii) VTM
- iii) VMP
- iv) AMP/VMPP
- v) AMPP

Within the VMPP and AMPP files there are entries relating to combination packs that will require loading after the main VMPPs and AMPPs are populated.

This order assumes that the target database is being populated from scratch each time and that the structure is not significantly different to the dm+d Release 2 model.

Please note the extract will also contain a GTIN zip file that was previously available in the Supplementary Files. This is also presented as an XML file with an associated schema.

#### 3.1 Access to Extract

The XML extracts and associated schema files will be available for download from the TRUD download site on a page secured by username and password. A username and password will be distributed to those allowed access to the files.

## 3.2 Implementation Guidelines

The following guidelines should be noted:

- No additions or deletions should be made to the data set.
- None of the information within the data set should be altered.
- In order to achieve a standard coding system the supplied SNOMED CT codes should be used within suppliers' systems throughout the prescribing and dispensing process as well as for reimbursement and subsequent information provision. Any mapping to existing coding systems is the responsibility of the suppliers.

# 4 Supplementary Files

In addition to the dm+d files there is a supplementary file produced that provides details of BNF and ATC information relating to VMP's and AMP's.

This file is produced to the same timetable as the dm+d files and is also presented as an XML file with associated schema file.

The file, when loaded, has a dependency on the pre-existence of VMP and AMP data and as such should be loaded after the main dm+d files.

# Appendix A – Detailed Description of XML Files (including GTIN File)

Conventions used in tag naming.

DT = date in format CCYY-MM-DD

CD = from lookup

NM = name

ID = key field pointing to another tag on same or different file

#### **VTM**

TAG Name	Optional	Description
<virtual_therapeutic_moieties></virtual_therapeutic_moieties>		Root Node
<vtm></vtm>		Individual Virtual Therapeutic Moiety (VTM) (this collection of tags will occur for each VTM)
<vtmid></vtmid>		Virtual Therapeutic Moiety identifier (SNOMED Code) Up to a maximum of 18 integers
<invalid></invalid>	Y	Invalidity flag. If set to 1 indicates this is an invalid entry in file.  1 integer only
<nm></nm>		Virtual Therapeutic Moiety Name Up to a maximum of 255 characters
<abbrevnm></abbrevnm>	Y	Virtual Therapeutic Moiety Abbreviated name Up to a maximum of 60 characters
<vtmidprev></vtmidprev>	Y	Previous VTM identifier (SNOMED CODE) Up to a maximum of 18 digits
<vtmiddt></vtmiddt>	Y	Virtual Therapeutic Moiety Identifier date - Date the VTM identifier became Valid Always 10 characters
		End Tag
		End Tag

# **VMP**

TAG Name	Optional	Description
<virtual_med_products></virtual_med_products>		Root Node
<vmps></vmps>		Collection of VMP's
<vmp></vmp>		Individual Virtual Medicinal Product (VMP) (this collection of tags will occur for each VMP)
<vpid></vpid>		Virtual Medicinal Product identifier (SNOMED Code) Up to a maximum of 18 digits
<vpiddt></vpiddt>	Y	Date VMP identifier became Valid Always 10 characters
<vpidprev></vpidprev>	Y	Previous product identifier (SNOMED Code) Up to a maximum of 18 digits
<vtmid></vtmid>	Y	VTM identifier (SNOMED Code). Can be located in VTM file. Up to a maximum of 18 integers
<invalid></invalid>	Y	Invalidity flag - If set to 1 indicates this is an invalid entry in file.  1 digit only
<nm></nm>		Virtual Medicinal Product Name Up to a maximum of 255 characters
<abbrevnm></abbrevnm>	Y	Virtual Medicinal Product Abbreviated name Up to a maximum of 60 characters
<basiscd></basiscd>		Basis of preferred name - Name basis code narrative can be located in lookup file under tag <basis_of_name> Always 4 digits</basis_of_name>
<nmdt></nmdt>	Y	Date of Name applicability Always 10 characters
<nmprev></nmprev>	Y	Previous Name Up to a maximum of 255 characters
<basis_prevcd></basis_prevcd>	Y	Basis of previous name - code narrative can be located in lookup file under tag <basis_of_name> Always 4 digits</basis_of_name>
<nmchangecd></nmchangecd>	Y	Reason for name change - code narrative can be located in lookup file under tag <namechange_reason> Always 4 digits</namechange_reason>
<combprodcd></combprodcd>	Y	Combination product Indicator - code narrative can be located in lookup file under tag <combination_prod_ind> Always 4 digits</combination_prod_ind>

DDEC CTATOR	<u> </u>	N// 184 P 1 15 15
<pres_statcd></pres_statcd>		Virtual Medicinal Product
		Prescribing Status - Prescribing
		Status code narrative can be
		located in lookup file under tag
		<virtual_product_pres_st< td=""></virtual_product_pres_st<>
		ATUS>
0110.5		Always 4 digits
<sug_f></sug_f>	Y	Sugar Free Indicator (present and
		set to 1 if sugar free)
		1 digit only
<glu f=""></glu>	Υ	Gluten Free Indicator (present and
_		set to 1 if gluten free)
		1 digit only
<pres f=""></pres>	Y	Preservative Free Indicator
<pre3_f></pre3_f>	Ť	
		(present and set to 1 if preservative
		free)
		1 digit only
<cfc_f></cfc_f>	Υ	CFC Free Indicator (present and
_		set to 1 if CFC free)
		1 digit only
<non_availcd></non_availcd>	Υ	Non-availability indicator - code
<non_availod></non_availod>	T	
		narrative can be located in lookup
		file under tag
		<virtual_product_non_ava< td=""></virtual_product_non_ava<>
		IL>
		Always 4 digits
<non_availdt></non_availdt>	Y	Non availability status date
(1011 <u>-</u> 717/11251)		Always 10 characters
<df_indcd></df_indcd>	Υ	Dose form indicator. Narrative can
<pre><df_indcd></df_indcd></pre>	ī	
		be located in lookup file under
		<df_indicator></df_indicator>
		1 digit only
<udfs></udfs>	Υ	Unit dose form size - Numerical
		value relating to size of entity. This
		will only be present if the unit dose
		form attribute is 'discrete'.
		Up to a maximum of 10 digits and 3
		decimal places
<udfs_uomcd></udfs_uomcd>	Υ	Unit dose form units - Unit of
		Measure code relating to the size.
		This will only be present if the unit
		dose form attribute is 'discrete'.
		Narrative can be located in lookup
		file under tag
		<unit_of_measure></unit_of_measure>
		Up to a maximum of 18 digits
<unit_dose_uomcd></unit_dose_uomcd>	Υ	Unit dose unit of measure - Unit of
		Measure code relating to a
		description of the entity that can be
I .		i accompanie of the critical state out to
		handled. This will only be present if
		handled. This will only be present if
		the Unit dose form attribute is
		the Unit dose form attribute is 'discrete'. Narrative can be located
		the Unit dose form attribute is

		Up to a maximum of 18 digits
		End Tag
		End Tag
<virtual_product_ingredient></virtual_product_ingredient>		Virtual Product Ingredient tags.
<vpi></vpi>		Ingredients associated with each VMP (this collection of tags will occur for each VMP/ingredient relationship)
<vpid></vpid>		VMP identifier (As above in VMP tag) Up to a maximum of 18 digits
<isid></isid>		Ingredient substance identifier (SNOMED Code) can be located in ingredient file. Up to a maximum of 18 digits
<basis_strntcd></basis_strntcd>	Y	Basis of pharmaceutical strength - code narrative can be located in lookup file under tag <basis_of_strnth> Always 4 digits</basis_of_strnth>
<bs_subid></bs_subid>	Y	Basis of strength substance identifier (SNOMED ode) can be located in ingredient file Up to a maximum of 18 digits
<strnt_nmrtr_val></strnt_nmrtr_val>	Y	Strength value numerator - Value of numerator element of strength Up to a maximum of 10 digits and 3 decimal places
<strnt_nmrtr_uomcd></strnt_nmrtr_uomcd>	Y	Strength value numerator unit - Numerator value of strength Unit of Measure code. Narrative can be located in lookup file under tag <unit_of_measure> Up to a maximum of 18 digits</unit_of_measure>
<strnt_dnmtr_val></strnt_dnmtr_val>	Y	Strength value denominator - Value of denominator element of strength Up to a maximum of 10 digits and 3 decimal places
<strnt_dnmtr_uomcd></strnt_dnmtr_uomcd>	Y	Strength value denominator unit - Denominator value of strength Unit of Measure code. Narrative can be located in lookup file under tag <unit_of_measure> Up to a maximum of 18 digits</unit_of_measure>
		End Tag
		End Tag
<ont_drug_form></ont_drug_form>		Ontology Form & Route information associated with each VMP
<ont></ont>		Ontology Form & Route associated with each VMP (this collection of tags will occur for each

	VMP/formulation route relationship)
<vpid></vpid>	VMP ID (as above in VMP tag)
	Up to a maximum of 18 digits
<formcd></formcd>	Virtual Medicinal Product Form & Route - code, narrative can be located in lookup file under tag <ont_form_route> Always 4 characters</ont_form_route>
	End Tag
	End Tag
<drug_form></drug_form>	Formulation or Form associated with each VMP
<dform></dform>	Formulation associated with each VMP (this collection of tags will occur for each VMP/formulation relationship)
<vpid></vpid>	VMP identifier (as above in VMP tag) Up to a maximum of 18 digits
<formcd></formcd>	Formulation code, narrative can be located in lookup file under tag <form> Up to a maximum of 18 digits</form>
	End Tag
	End Tag
<drug_route></drug_route>	Routes associated with each VMP
<droute></droute>	Route associated with each VMP (this collection of tags will occur for each VMP/route relationship)
<vpid></vpid>	VMP identifier (as above in VMP tag) Up to a maximum of 18 digits
<routecd></routecd>	Route code, narrative can be located in lookup file under tag <route> Up to a maximum of 18 digits</route>
	End Tag
	End Tag
<control_drug_info></control_drug_info>	Control Drug Information associated with each VMP
<control_info></control_info>	Control Drug Information associated with each VMP (this collection of tags will occur for each VMP/formulation relationship)
<vpid></vpid>	VMP identifier (as above in VMP tag) Up to a maximum of 18 digits

<catcd></catcd>		Control Drug category - , narrative can be located in lookup file under tag <control_drug_category> Always 4 digits</control_drug_category>
<catdt></catdt>	Υ	Date of applicability Always 10 characters
<cat_prevcd></cat_prevcd>	Y	Previous Control Drug Information  - 'Controlled Drug category prior to change date' - narrative can be located in lookup file under tag <control_drug_category> Always 4 digits</control_drug_category>
		End Tag
		End Tag
		End Tag

## **AMP**

TAG Name	Optional	Description
<actual_medicinal_products></actual_medicinal_products>		Root Node
<amps></amps>		Collection of AMP's
<amp></amp>		Individual Actual Medicinal Product (AMP) (this collection of tags will occur for each AMP)
<apid></apid>		AMP identifier (SNOMED Code) Up to a maximum of 18 digits
<invalid></invalid>	Y	Invalidity flag - If set to 1 indicates this is an invalid entry in file.  1 digit only
<vpid></vpid>		VMP identifier, points to parent Virtual Medicinal Product on VMP file Up to a maximum of 18 digits
<nm></nm>		Actual Medicinal Product Name Up to a maximum of 255 characters
<abbrevnm></abbrevnm>	Y	Actual Medicinal Product Abbreviated name Up to a maximum of 60 characters
<desc></desc>		Actual Medicinal Product Description Up to a maximum of 700 characters
<nmdt></nmdt>	Y	Date of name applicability Always 10 characters
<nm_prev></nm_prev>	Y	Previous Name Up to a maximum of 255 characters
<suppcd></suppcd>		Supplier - Supplier Code, narrative can be located in lookup file under tag <supplier> Up to a maximum of 18 digits</supplier>
<lic_authcd></lic_authcd>		Current Licensing Authority - Licensing Authority Code, narrative can be located in lookup file under tag <licensing_authority> Always 4 digits</licensing_authority>
<lic_auth_prevcd></lic_auth_prevcd>	Y	Previous Licensing Authority Code, narrative can be located in lookup file under tag <a href="LICENSING_AUTHORITY"></a> Always 4 digits
<lic_authchangecd></lic_authchangecd>	Y	Reason for change of licensing authority code, narrative can be located in lookup under tag <licensing_authority_chan ge_reason=""> Always 4 digits</licensing_authority_chan>

<lic_authchangedt></lic_authchangedt>	Υ	Date of change of licensing
CLIC_AUTHOHANGEDTS	l I	authority
		Always 10 characters
<combprodcd></combprodcd>	Y	
<combproded></combproded>	ľ	Combination product indicator
		Code, narrative can be located in
		lookup file under tag
		<combination_prod_ind></combination_prod_ind>
FLAVOUDOD		Always 4 digits
<flavourcd></flavourcd>	Y	Flavour Code, narrative can be
		located in lookup file under tag
		<flavour></flavour>
		Always 4 digits
<ema></ema>	Y	EMA Additional Monitoring
		indicator – will be present and set
		to 1 if true
		1 digit only
<parallel_import></parallel_import>	Υ	Parallel Import indicator - will be
		present and set to 1 if true
		1 digit only
<avail_restrictcd></avail_restrictcd>		Restrictions on availability Code,
		narrative can be located in lookup
		file under tag
		<availability_restriction></availability_restriction>
		Always 4 digits
		End Tag
		End Tag
<ap_ingredient></ap_ingredient>		Actual Product Excipients - AMP
		ingredients (excipients)
<ap_ing></ap_ing>		AMP excipients – this collection of
		tags will occur for each
		AMP/Ingredient relationship
<apid></apid>		Actual Product (AMP) identifier
		Up to a maximum of 18 digits
<isid></isid>		Ingredient substance identifier (can
		be located in ingredient file)
		Up to a maximum of 18 digits
<strnth></strnth>	Υ	Pharmaceutical strength numerical
		value - strength value
		Up to a maximum of 10 digits and 3
		decimal places
<uomcd></uomcd>	Υ	Pharmaceutical Strength Unit of
		Measure code, narrative can be
		located in lookup file under tag
		<unit_of_measure></unit_of_measure>
		Up to a maximum of 18 digits
		End Tag
		End Tag
<licensed route=""></licensed>		Licensed route for AMP's
<lic_route></lic_route>		AMP licensed routes – this
		collection of tags will occur for each
		AMP/route relationship
<apid></apid>		AMP identifier
		Up to a maximum of 18 digits
		Top to a maximum or to digito

	Licenced route - Route Code, narrative can be located in lookup file under tag <route></route>
	Up to a maximum of 18 digits
	End Tag
	End Tag
	Appliance product information
	Appliance information
	AMP identifier
	Up to a maximum of 18 digits
Υ	Size / Weight
	Up to a maximum of 100
	characters
Y	Colour code, narrative can be located in lookup file under tag
	<colour></colour>
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Always 4 digits
Y	Product order number - Order
	number of product within Drug Tariff
	Up to a maximum of 20 characters
	End Tag
	End Tag
	End Tag
	Y

## **VMPP**

TAG Name	Optional	Description
<virtual_med_product_pack></virtual_med_product_pack>		Root Node
<vmpps></vmpps>		Collection Of VMPP's
<vmpp></vmpp>		Individual Virtual Medicinal Product Packs (VMPP) – this collection of tags will occur for
<vppid></vppid>		each VMPP Virtual Medicinal Product Pack Identifier (SNOMED Code) Up to a maximum of 18 digits
<invalid></invalid>	Y	Invalidity flag - If set to 1 indicates this is an invalid entry in file.  1 digit only
<nm></nm>		Virtual medicinal product pack description – Name Up to a maximum of 420 characters
<vpid></vpid>		VMP identifier – refers to parent VMP in VMP file Up to a maximum of 18 digits
<qtyval></qtyval>	Y	Quantity Value Up to a maximum of 10 digits and 2 decimal places
<qty_uomcd></qty_uomcd>	Y	Quantity Unit of Measure code, narrative can be located in lookup file under tag <unit_of_measure> Up to a maximum of 18 digits</unit_of_measure>
<combpackcd></combpackcd>	Y	Combination pack indicator - Combination pack code, narrative can be located in lookup file under tag <combination_pack_ind> Always 4 digits</combination_pack_ind>
		End Tag
		End Tag
<drug_tariff_info></drug_tariff_info>		Drug Tariff Category Information
<dtinfo></dtinfo>		Drug tariff info for VMPP – this collection of tags will occur for each VMPP/drug Tariff combination
<vppid></vppid>		VMPP identifier (as above in VMPP tag) Up to a maximum of 18 digits
<pay_catcd></pay_catcd>		Drug Tariff payment category code, narrative can be located in lookup file under tag <dt_payment_category> Always 4 digits</dt_payment_category>
<price></price>	Υ	Drug Tariff Price

		Up to a maximum of 6 integers
<dt></dt>	Υ	Date from which DT price is
		applicable
		Always 10 characters
<prevprice></prevprice>	Υ	Previous price
		Up to a maximum of 6 integers
		End Tag
		End Tag
<comb_content></comb_content>		Combination Pack content
<ccontent></ccontent>		Combination pack pairs - this
		collection of tags will occur for
		each combination pack
<prntvppid></prntvppid>		VMPP identifier for parent pack
		Up to a maximum of 18 digits
<chldvppid></chldvppid>		Constituent virtual product pack
		identifier - VMPP identifier for
		sub pack
		Up to a maximum of 18 digits
		End Tag
		End Tag
		End Tag

## **AMPP**

-DACK INCO		This collection of tage will account
<pack_info></pack_info>		This collection of tags will occur
		for each AMPP appliance pack
ADDID		information relationship
<appid></appid>		AMPP identifier as in AMPP tag
		above
		Up to a maximum of 18 digits
<reimb_statcd></reimb_statcd>		Appliance Reimbursement
		status code, narrative can be
		located in lookup file under tag
		<reimbursement_status></reimbursement_status>
		Always 4 digits
<reimb_statdt></reimb_statdt>	Υ	Date Appliance reimbursement
		status became effective.
		Always 10 characters
<reimb_statprevcd></reimb_statprevcd>	Υ	Appliance Reimbursement
		previous status code, narrative
		can be located in lookup file
		under tag
		<reimbursement_status></reimbursement_status>
		Always 4 digits
<pack_order_no></pack_order_no>	Υ	Pack order number - Order
		number of pack within Drug
		Tariff
		Up to a maximum of 20
		characters
		End Tag
		Š
		End Tag
<pre><drug_product_prescrib_info></drug_product_prescrib_info></pre>		Product Prescribing Information
<prescrib_info></prescrib_info>		This collection of tags will exist
		for every AMPP/Prescribing
ADDID		information relationship
<appid></appid>		AMPP identifier
201177		Up to a maximum of 18 digits
<sched_2></sched_2>	Υ	Schedule 2 indicator – will be
		present and set to 1 if true
		1 digit only
<acbs></acbs>	Υ	ACBS indicator – will be present
		and set to 1 if true
		1 digit only
<padm></padm>	Υ	Personally Administered
		indicator - will be present and
		set to 1 if true
		1 digit only
<fp10_mda></fp10_mda>	Υ	FP10 MDA Prescription
_		indicator – will be present and
		set to 1 if true
		1 digit only
<sched_1></sched_1>	Υ	Schedule 1 indicator – will be
		present and set to 1 if true
	1	1 digit only
<hosp></hosp>	Y	
<hosp></hosp>	Υ	Hospital indicator – will be
<hosp></hosp>	Y	Hospital indicator – will be present and set to 1 if true
<hosp> <nurse_f></nurse_f></hosp>	Y	Hospital indicator – will be

	Т	T
		be present and set to 1 if true 1 digit only
<enurse f=""></enurse>	Υ	Nurse Extended Formulary
		indicator – will be present and
		set to 1 if true
		1 digit only
<dent_f></dent_f>	Υ	Dental Formulary indicator – will
CDLINI_I >	'	be present and set to 1 if true
(DDECODID INFO		1 digit only
		End Tag
		End Tag
<medicinal_product_price></medicinal_product_price>		Medicinal product price - AMPP
		Price
<price_info></price_info>		This collection of tags will occur
		for each Actual Medicinal
		Product Pack (AMPP) Price
		relationship
<appid></appid>		AMPP identifier
		Up to a maximum of 18 digits
<price></price>	Υ	Price
SENICE>	l i	
DDIOEDT	1	Up to a maximum of 9 integers
<pricedt></pricedt>	Υ	Date of price validity - Date of
		price applicability
		Always 10 characters
<price_prev></price_prev>	Υ	Price prior to change date -
		Previous Price
		Up to a maximum of 9 integers
<price basiscd=""></price>		Price basis flag - Basis of price
		code, narrative can be located in
		lookup file under tag
		<price basis=""></price>
		Always 4 digits
		End Tag
		End Tag
<reimbursement_info></reimbursement_info>		AMPP reimbursement
		Information
<reimb_info></reimb_info>		This collection of tags will occur
		for each AMPP/reimbursement
		info relationship
<appid></appid>		AMPP identifier
		Up to a maximum of 18 digits
<px_chrgs></px_chrgs>	Υ	Prescription Charges
_		Up to a maximum of 2 digits
<disp_fees></disp_fees>	Υ	Dispensing Fees
		Up to a maximum of 2 digits
<bb></bb>	Υ	Broken Bulk indicator will be
	'	present and set to 1 if true
		1 -
LTD CTAD	Th D	1 digit only
<ltd_stab></ltd_stab>	The Drug Tariff no longer identifies products	
	for this purpose. Therefore this indicator is	
		populated in dm+d. The data field
	will persist	t but remains blank.
<cal_pack></cal_pack>	Υ	Calendar pack indicator will be
		present and set to 1 if true
	· ·	

		1 digit only
<spec_contcd></spec_contcd>	Υ	Special Container Indicator
		code, narrative can be located in
		lookup file under tag
		<spec_cont></spec_cont>
DND		Always 4 digits
<dnd></dnd>	Υ	Discount Not Deducted Indicator
		(previously Zero Discount
		Indicator)
FD0.4D	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Always 4 digits
<fp34d></fp34d>	Υ	FP34D prescription item
		indicator will be present and set
		to 1 if true
/DEIMD INICO		1 digit only
		End Tag
		End Tag
<comb_content></comb_content>		Combination Pack content
<ccontent></ccontent>		Combination pack pairs – this
		collection of tags will occur for
		each combination pack
<prntappid></prntappid>		AMPP identifier for parent pack
		Up to a maximum of 18 digits
<chldappid></chldappid>		AMPP identifier for sub pack
		Up to a maximum of 18 digits
		End Tag
		End Tag
		End Tag

# Ingredient

TAG Name	Optional	Description
<ingredient_substances></ingredient_substances>		Root Node
<ing></ing>		Ingredients – this collection of
		tags will occur for each
		ingredient
<isid></isid>		Ingredient Substance Identifier
		(SNOMED Code)
		Up to a maximum of 18 digits
<isiddt></isiddt>	Y	Date ingredient substance
		identifier became valid
		Always 10 characters
<isidprev></isidprev>	Y	Previous ingredient substance
		identifier (SNOMED Code)
		Up to a maximum of 18 digits
<invalid></invalid>	Y	Invalidity flag - If set to 1
		indicates this is an invalid entry
		in file.
		1 digit only
<nm></nm>		Ingredient Substance Name
		Up to a maximum of 255
		characters
		End Tag
		End Tag

# Lookup

TAG Name	Optional	Description
<lookup></lookup>		Root Node
<combination_pack_ind></combination_pack_ind>		Code descriptions for
		AMPP/VMPP combination
		indicator
<info></info>		This collection of tags will
		occur for each code
		description pair.
<cd></cd>		Code
		Always 4 digits
<desc></desc>		Description
		Up to a maximum of 60
		characters
		End Tag
		End Tag
		-
<combination_prod_ind></combination_prod_ind>		Code descriptions for
		AMP/VMP combination
		indicator
<info></info>		This collection of tags will
		occur for each code
		description pair.
<cd></cd>		Code
		Always 4 digits
<desc></desc>		Description
		Up to a maximum of 60
		characters
		End Tag
		End Tag
<basis_of_name></basis_of_name>		Code descriptions for VMP
		name basis.
<info></info>		This collection of tags will
		occur for each code
		description pair.
<cd></cd>		Code
		Always 4 digits
<desc></desc>		Description
		Up to a maximum of 150
(1) 150		characters
		End Tag
		End Tag
NAMEOUANIOE DE ACON		Onde description ( )/MD
<namechange_reason></namechange_reason>		Code descriptions for VMP
INIEO		name change reason.
<info></info>		This collection of tags will
		occur for each code
00		description pair.
<cd></cd>		Code
DECO		Always 4 digits
<desc></desc>		Description

	Up to a maximum of 150
//NEO	characters
	End Tag
	End Tag
<virtual_product_pres_status></virtual_product_pres_status>	Code descriptions for VMP
	prescribing status.
<info></info>	This collection of tags will
	occur for each code
	description pair.
<cd></cd>	Code
	Always 4 digits
<desc></desc>	Description
	Up to a maximum of 60
	characters
	End Tag
	End Tag
<control category="" drug=""></control>	Code descriptions for
1001111101_51100_07111501117	controlled drug category.
<info></info>	This collection of tags will
	occur for each code
	description pair.
<cd></cd>	Code
(OB)	Always 4 digits
<desc></desc>	
<de3c></de3c>	Description
	Up to a maximum of 60
/INICO	characters
	End Tag
	End Tag
LIGENOVIC AUTHORITY	
<licensing_authority></licensing_authority>	Code descriptions for licensing
	authority.
<info></info>	This collection of tags will
	occur for each code
	description pair.
<cd></cd>	Code
	Always 4 digits
<desc></desc>	Description
	Up to a maximum of 60
	characters
	End Tag
	End Tag
	_
<unit_of_measure></unit_of_measure>	Code descriptions for units of
	measure.
<info></info>	This collection of tags will
	occur for each code
	description pair.
<cd></cd>	Code (SNOMED)
	Up to a maximum of 18 digits
<cddt></cddt>	Y Date code is applicable from
	Always 10 characters
	niways 10 Ullataulets

<cdprev></cdprev>	Υ	Previous code
<cdprev></cdprev>	Ť	
<desc></desc>		Up to a maximum of 18 digits
<de3c></de3c>		Description Up to a maximum of 150
		characters
//NEO		
		End Tag
		End Tag
50514		
<form></form>		Code descriptions for
		formulations (Form).
<info></info>		This collection of tags will
		occur for each code
		description pair.
<cd></cd>		Code (SNOMED)
		Up to a maximum of 18 digits
<cddt></cddt>	Υ	Date code is applicable from
		Always 10 characters
<cdprev></cdprev>	Υ	Previous code
		Up to a maximum of 18 digits
<desc></desc>		Description
		Up to a maximum of 60
		characters
		End Tag
		End Tag
7. S. M.		2.1.0 1.09
<ont_form_route></ont_form_route>		Code descriptions for ontology
TOTAL STANLET CONTES		form route (VMP Form &
		Route) combinations.
<info></info>		This collection of tags will
		occur for each code
		description pair.
<cd></cd>		Code
(00)		Always 4 digits
<desc></desc>		Description
(DESC)		Up to a maximum of 60
		characters
		End Tag
		End Tag
DOUTE		Code descriptions for volutes of
<route></route>		Code descriptions for routes of
INIEO		administration.
<info></info>		This collection of tags will
		occur for each code
00		description pair.
<cd></cd>		Code (SNOMED)
0007		Up to a maximum of 18 digits
<cddt></cddt>	Y	Date code is applicable from
		Always 10 characters
<cdprev></cdprev>	Υ	Previous code
		Up to a maximum of 18 digits
<desc></desc>		Description
		Up to a maximum of 60
		characters
		End Tag
CDD010H	·	27

		End Tag
<dt_payment_category></dt_payment_category>		Code descriptions for Drug
		Tariff categories.
<info></info>		This collection of tags will
		occur for each code
		description pair.
<cd></cd>		Code
		Always 4 characters
<desc></desc>		Description
		Up to a maximum of 60
		characters
		End Tag
		End Tag
<supplier></supplier>		Code descriptions for
		suppliers.
<info></info>		This collection of tags will
		occur for each code
		description pair.
<cd></cd>		Code (SNOMED)
		Up to a maximum of 18 digits
<cddt></cddt>	Υ	Date code is applicable from
		Always 10 characters
<cdprev></cdprev>	Υ	Previous code
		Up to a maximum of 18 digits
<invalid></invalid>	Υ	Invalidity flag - If set to 1 entry
		is invalid.
		1 digit only
<desc></desc>		Description
		Up to a maximum of 80
		characters
		End Tag
		End Tag
<flavour></flavour>		Code descriptions for flavours.
<info></info>		This collection of tags will
		occur for each code
		description pair.
<cd></cd>		Code
	1	Always 4 digits
<desc></desc>		Description
		Up to a maximum of 60
(1) (5)		characters
		End Tag
	1	End Tag
	1	
<colour></colour>	1	Code descriptions for colours.
<info></info>		This collection of tags will
		occur for each code
	1	description pair.
<cd></cd>		Code
		Always 4 digits

Up to a maximum of 60 characters	<desc></desc>	Description
c/INFO>	(DEGG)	
!NFO End Tag          End Tag          End Tag          End Tag          End Tag          End Tag          Code descriptions for basis of strength.          This collection of tags will occur for each code description pair.          CD>          Code Always 4 digits          Description pair.          Performance of tags will occur for tags will occur for tags will occur for each code description pair.          CD>          Code Always 4 digits          Description Up to a maximum of 60 oharacters          End Tag              Code descriptions for special container indicator.          Code description for tags will occur for each code description pair.         <		
End Tag <basis_of_strnth>       Code descriptions for basis of strength.         <info>       This collection of tags will occur for each code description pair.         <cd>       Code         Always 4 digits       Description Up to a maximum of 150 characters          End Tag          Z/BASIS_OF_STRNTH&gt;          End Tag          Code descriptions for reimbursement status.         <info>       This collection of tags will occur for each code description pair.         <cd>       Code          Always 4 digits          Description Up to a maximum of 60 characters          End Tag              End Tag              End Tag              Code descriptions for special container indicator.         <info>       This collection of tags will occur for each code description pair.         <cd>       Code Always 4 digits          Description Up to a maximum of 60 characters         <info>       End Tag          End Tag          Code descriptions for Discount Not Deducted indicator.     <!--</td--><td>/INITO</td><td></td></info></cd></info></cd></info></cd></info></basis_of_strnth>	/INITO	
<basis_of_strnth> Code descriptions for basis of strength. This collection of tags will occur for each code description pair. <cd> Code Always 4 digits Description Up to a maximum of 150 characters</cd></basis_of_strnth>		
Strength.   This collection of tags will occur for each code description pair.		End Tag
Strength.   This collection of tags will occur for each code description pair.		
Initial Collection of tags will occur for each code description pair.	<basis_of_strnth></basis_of_strnth>	•
occur for each code description pair. <cd> Code Always 4 digits  Description Up to a maximum of 150 characters  In Tag  Code descriptions for reimbursement status.  INFO&gt; CD&gt; COD COD COD COD COD COD COD COD COD COD</cd>		
description pair.	<info></info>	
CDS  CDSCS  Description Up to a maximum of 150 characters  Ind Tag  REIMBURSEMENT_STATUS>  Code descriptions for reimbursement status.  INFO>  CDS  CDS  CDS  CDS  CDS  CDS  COBE  Always 4 digits  Code descriptions for reimbursement status.  Inis collection of tags will occur for each code description pair.  CDS  CDS  CDS  CDS  COBE  Always 4 digits  COBECS  DESCRIPTION  COBE  Always 4 digits  COBECCONTS  COBE  COBECCONTS		occur for each code
CDS  CDSCS  Description Up to a maximum of 150 characters  Ind Tag  REIMBURSEMENT_STATUS>  Code descriptions for reimbursement status.  INFO>  CDS  CDS  CDS  CDS  CDS  CDS  COBE  Always 4 digits  Code descriptions for reimbursement status.  Inis collection of tags will occur for each code description pair.  CDS  CDS  CDS  CDS  COBE  Always 4 digits  COBECS  DESCRIPTION  COBE  Always 4 digits  COBECCONTS  COBE  COBECCONTS		description pair.
Description   Up to a maximum of 150   characters	<cd></cd>	Code
Description   Up to a maximum of 150   characters		Always 4 digits
<pre>   Up to a maximum of 150 characters     Cohecomposition    </pre>	<desc></desc>	
<pre>characters </pre> <pre></pre> <pre> <pre></pre> <pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre></pre> <pre> <pre></pre> <pre></pre> <pre> <pre></pre> <pre></pre> <pre></pre> <pre> <pre></pre> <pre></pre> <pre> <pre></pre> <pre></pre> <pre></pre> <pre> <pre></pre> <pre> <pre></pre> <pre> <pre></pre> <pre></pre> <pre> <pre> <pre><pre></pre> <pre> <pre></pre> <pre> <pre></pre> <pre> <pre><pre></pre> <pre> <pre><pre><pre><pre><pre><pre><pre><pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre></pre>		
End Tag          End Tag <reimbursement_status>       Code descriptions for reimbursement status.         <info>       This collection of tags will occur for each code description pair.         <cd>       Code Always 4 digits         <desc>       Description Up to a maximum of 60 characters         </desc></cd></info>       End Tag         </reimbursement_status> End Tag <spec_cont>       Code descriptions for special container indicator.         <info>       This collection of tags will occur for each code description pair.         <cd>       Code Always 4 digits         <desc>       Description Up to a maximum of 60 characters          End Tag              End Tag              End Tag              End Tag              End Tag              End Tag              Code descriptions for Discount Not Deducted indicator.         <info>       This collection of tags will occur for each code description pair.         <cd></cd></info></desc></cd></info></spec_cont>		
End Tag <reimbursement_status>       Code descriptions for reimbursement status.         <info>       This collection of tags will occur for each code description pair.         <cd>       Code Always 4 digits         <desc>       Description Up to a maximum of 60 characters          End Tag          End Tag         <spec_cont>       Code descriptions for special container indicator.         <info>       This collection of tags will occur for each code description pair.         <cd>       Code Always 4 digits         <desc>       Description Up to a maximum of 60 characters          End Tag              End Tag          End Tag              End Tag              End Tag              End Tag              Code descriptions for Discount Not Deducted indicator.         <info>       This collection of tags will occur for each code description pair.         <cd>       Code         Always 4 digits</cd></info></desc></cd></info></spec_cont></desc></cd></info></reimbursement_status>		
<reimbursement_status> Code descriptions for reimbursement status. This collection of tags will occur for each code description pair. <cd> CD&gt; Code Always 4 digits <description< p=""> Up to a maximum of 60 characters     <info> End Tag  <spec_cont> Code descriptions for special container indicator. <info> <info> Code description of tags will occur for each code description pair. <cd> <cd> Code Always 4 digits <description< p=""> Up to a maximum of 60 characters         <info> End Tag                                                                                                                                                                      <td></td><td></td></info></description<></cd></cd></info></info></spec_cont></info></description<></cd></reimbursement_status>		
reimbursement status.  In this collection of tags will occur for each code description pair.  In this collection of tags will occur for each code description pair.  In the collection of tags will occur for each code description pair.  In the collection of tags will occur for each code description up to a maximum of 60 characters  In the collection of tags will occur for each code description pair.  In the collection of tags will occur for each code description up to a maximum of 60 characters  In the collection of tags will occur for each code description up to a maximum of 60 characters  In the collection of tags will occur for each code description up to a maximum of 60 characters  In the collection of tags will occur for each code description for Discount not Deducted indicator.  In the collection of tags will occur for each code description pair.  In the collection of tags will occur for each code description pair.  In the collection of tags will occur for each code description pair.  In the collection of tags will occur for each code description pair.  In the collection of tags will occur for each code description pair.	VDAGIO_GI_GITAITI2	Liiu ray
reimbursement status.  In this collection of tags will occur for each code description pair.  In this collection of tags will occur for each code description pair.  In the collection of tags will occur for each code description pair.  In the collection of tags will occur for each code description up to a maximum of 60 characters  In the collection of tags will occur for each code description pair.  In the collection of tags will occur for each code description up to a maximum of 60 characters  In the collection of tags will occur for each code description up to a maximum of 60 characters  In the collection of tags will occur for each code description up to a maximum of 60 characters  In the collection of tags will occur for each code description for Discount not Deducted indicator.  In the collection of tags will occur for each code description pair.  In the collection of tags will occur for each code description pair.  In the collection of tags will occur for each code description pair.  In the collection of tags will occur for each code description pair.  In the collection of tags will occur for each code description pair.	DEIMDLIDGEMENT STATUS	Code descriptions for
<info> This collection of tags will occur for each code description pair. <cd> Code Always 4 digits Description Up to a maximum of 60 characters    <info> <info> <info> <info> <info> <info> <td><reimidursement_status></reimidursement_status></td><td></td></info></info></info></info></info></info></cd></info>	<reimidursement_status></reimidursement_status>	
occur for each code description pair. <cd> Code Always 4 digits Description Up to a maximum of 60 characters   End Tag  <spec_cont> Code descriptions for special container indicator.  <info> This collection of tags will occur for each code description pair.  <cd> Code Always 4 digits  Description Up to a maximum of 60 characters  End Tag  Code Always 4 digits  Description Up to a maximum of 60 characters  </cd></info> End Tag   Code descriptions for Discount Not Deducted indicator.  In Scollection of tags will occur for each code descriptions for Discount Not Deducted indicator.  In Scollection of tags will occur for each code description pair.  Code Always 4 digits</spec_cont></cd>	INICO	
description pair.  CD> Code Always 4 digits  Description Up to a maximum of 60 characters   End Tag   End Tag  Code descriptions for special container indicator.  In is collection of tags will occur for each code description pair.  CD> Code Always 4 digits  Description Up to a maximum of 60 characters   End Tag   Code Always 4 digits  Code Always 4 digits  Code description Up to a maximum of 60 characters   End Tag   Code descriptions for Discount Not Deducted indicator.  In is collection of tags will occur for each code description pair.  Code descriptions for Discount Not Deducted indicator.  In is collection of tags will occur for each code description pair.  CD> Code Always 4 digits	<info></info>	
<cd>       Code Always 4 digits         <desc>       Description Up to a maximum of 60 characters          End Tag          End Tag         <spec_cont>       Code descriptions for special container indicator.         <info>       This collection of tags will occur for each code description pair.         <cd>       Code Always 4 digits         <desc>       Description Up to a maximum of 60 characters              End Tag              Code descriptions for Discount Not Deducted indicator.         <info>       This collection of tags will occur for each code description pair.         <cd>       Code Always 4 digits</cd></info></desc></cd></info></spec_cont></desc></cd>		
Always 4 digits  Description Up to a maximum of 60 characters  In Tag  Always 4 digits  Description Up to a maximum of 60 characters  End Tag  Code descriptions for special container indicator.  In Sollection of tags will occur for each code description pair.  CD>  Code Always 4 digits  Description Up to a maximum of 60 characters  Always 4 digits  Code description Code Code Always 4 digits  Code Code Code Code Code Code Code Code Code		
∠DESC>       Description Up to a maximum of 60 characters         ∠/INFO>       End Tag         ∠REIMBURSEMENT_STATUS>       End Tag         ∠SPEC_CONT>       Code descriptions for special container indicator.         ∠INFO>       This collection of tags will occur for each code description pair.         ∠CD>       Code Always 4 digits         ∠DESC>       Description Up to a maximum of 60 characters         ∠/INFO>       End Tag         ∠SPEC_CONT>       End Tag         ∠DND>       Code descriptions for Discount Not Deducted indicator.         ∠INFO>       This collection of tags will occur for each code description pair.         ∠CD>       Code Always 4 digits	<cd></cd>	
<pre></pre>		
<pre>characters </pre>	<desc></desc>	
End Tag          End Tag <spec_cont>       Code descriptions for special container indicator.         <info>       This collection of tags will occur for each code description pair.         <cd>       Code Always 4 digits         <desc>       Description Up to a maximum of 60 characters         </desc></cd></info>       End Tag         </spec_cont> Code descriptions for Discount Not Deducted indicator. <info>       This collection of tags will occur for each code description pair.         <cd>       Code Always 4 digits</cd></info>		
<pre></pre> <pre>&lt;</pre>		characters
<pre> <spec_cont></spec_cont></pre>		End Tag
container indicator. <info>  This collection of tags will occur for each code description pair.  COD&gt;  Code Always 4 digits  Description Up to a maximum of 60 characters  </info> End Tag    Code descriptions for Discount Not Deducted indicator. <info>  This collection of tags will occur for each code description pair.  COD&gt;  Code Always 4 digits</info>		End Tag
container indicator. <info>  This collection of tags will occur for each code description pair.  COD&gt;  Code Always 4 digits  Description Up to a maximum of 60 characters  </info> End Tag    Code descriptions for Discount Not Deducted indicator. <info>  This collection of tags will occur for each code description pair.  COD&gt;  Code Always 4 digits</info>		
container indicator. <info>  This collection of tags will occur for each code description pair.  COD&gt;  Code Always 4 digits  Description Up to a maximum of 60 characters  </info> End Tag    Code descriptions for Discount Not Deducted indicator. <info>  This collection of tags will occur for each code description pair.  COD&gt;  Code Always 4 digits</info>	<spec_cont></spec_cont>	Code descriptions for special
occur for each code description pair.  CD> Code Always 4 digits  Description Up to a maximum of 60 characters  Indicator  Code descriptions for Discount Not Deducted indicator.  In Code CD> Code Always 4 digits  Code Always 4 digits		container indicator.
occur for each code description pair.  CD> Code Always 4 digits  Description Up to a maximum of 60 characters  Indicator  Code descriptions for Discount Not Deducted indicator.  In Scollection of tags will occur for each code description pair.  Code Always 4 digits	<info></info>	This collection of tags will
description pair.   COde		•
CD> Code Always 4 digits  Description Up to a maximum of 60 characters  Indicator  Code descriptions for Discount Not Deducted indicator.  In Code description of tags will occur for each code description pair.  Code Always 4 digits		
Always 4 digits  Description Up to a maximum of 60 characters  Indicator  Indicator  Code descriptions for Discount Not Deducted indicator.  Indicator  Indicator  Code  Always 4 digits	<cd></cd>	
Description     Up to a maximum of 60     characters      End Tag      Code descriptions for Discount     Not Deducted indicator.      This collection of tags will     occur for each code     description pair.       COde     Always 4 digits	,	
<pre>Up to a maximum of 60 characters </pre>	<desc></desc>	
<pre>characters </pre>		
End Tag <dnd> Code descriptions for Discount Not Deducted indicator. <info> This collection of tags will occur for each code description pair. <cd> Code Always 4 digits</cd></info></dnd>		characters
<dnd> Code descriptions for Discount Not Deducted indicator.   <info> This collection of tags will occur for each code description pair.   <cd> Code Always 4 digits</cd></info></dnd>		
<dnd> Code descriptions for Discount Not Deducted indicator. <info> This collection of tags will occur for each code description pair. <cd> Code Always 4 digits</cd></info></dnd>		•
Not Deducted indicator. <info>  This collection of tags will occur for each code description pair.  <cd>  Code Always 4 digits</cd></info>		
Not Deducted indicator. <info>  This collection of tags will occur for each code description pair.  <cd>  Code Always 4 digits</cd></info>	DND	Code descriptions for Discount
<info>  This collection of tags will occur for each code description pair.  COD&gt;  Code Always 4 digits</info>	<חאוח>	
occur for each code description pair.  Code Always 4 digits	INTO	
<pre>cccccccccccccccccccccccccccccccccccc</pre>	<info></info>	
<cd> Code Always 4 digits</cd>		
Always 4 digits		
	<cd></cd>	
<desc> Description</desc>		Always 4 digits
	<desc></desc>	Description

	Up to a maximum of 60
	characters
	End Tag
	· ·
<unu></unu>	End Tag
VIDTUAL DRODUCT NON AVAIL	\/AAD as as social bility of \/AAD
<virtual_product_non_avail></virtual_product_non_avail>	VMP non availability of VMP status codes.
INFO	
<info></info>	This collection of tags will occur for each code
<cd></cd>	description pair. Code
<cd></cd>	
<desc></desc>	Always 4 digits
<desc></desc>	Description
	Up to a maximum of 60 characters
/INICO	
	End Tag
	End Tag
DISCONTINUED IND.	Code descriptions for
<discontinued_ind></discontinued_ind>	Code descriptions for discontinued indicator.
INFO	
<info></info>	This collection of tags will
	occur for each code
<cd></cd>	description pair.
<cd></cd>	Code
DEGG	Always 4 digits
<desc></desc>	Description
	Up to a maximum of 60
/INITO	characters
	End Tag
	End Tag
<df indicator=""></df>	Code descriptions for Dose
<pre></pre>	form indicator.
<info></info>	This collection of tags will
<info></info>	occur for each code
	description pair.
<cd></cd>	Code
(CD)	1 digit only
<desc></desc>	Description
(DEGG)	Up to a maximum of 20
	characters
	End Tag
	End Tag
ADI TIMPIOVI OI/S	Liiu Tay
<price_basis></price_basis>	Code descriptions for basis of
\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	AMPP price.
<info></info>	This collection of tags will
	occur for each code
	description pair.
<cd></cd>	Code
	Always 4 digits
<desc></desc>	Description
	Up to a maximum of 60
	υρ ιο α maximum οι οο

	characters
	End Tag
	End Tag
_	
<legal_category></legal_category>	Code descriptions for AMPP
	legal category.
<info></info>	This collection of tags will
	occur for each code
	description pair.
<cd></cd>	Code
	Always 4 digits
<desc></desc>	Description
	Up to a maximum of 60
	characters
	End Tag
	End Tag
4	
<availability_restriction></availability_restriction>	Code descriptions for AMP
	availability restriction.
<info></info>	This collection of tags will
	occur for each code
	description pair.
<cd></cd>	Code
	Always 4 digits
<desc></desc>	Description
	Up to a maximum of 60
	characters
	End Tag
<availability restriction=""></availability>	End Tag
_	9
<pre><licensing_authority_change_rea< pre=""></licensing_authority_change_rea<></pre>	
SON>	
<info></info>	This collection of tags will
	occur for each code
	description pair.
<cd></cd>	Code
	Always 4 digits
<desc></desc>	Description
	Up to a maximum of 60
	characters
	End Tag
<pre><licensing_authority_change_rea< pre=""></licensing_authority_change_rea<></pre>	End Tag
SON>	Ĭ
	End Tag
1 - 1 - 1 - 1	

# **GTIN**

TAG Name	Optional	Description
<gtin_details></gtin_details>		Root Node
<ampps></ampps>		All Actual Medicinal Product
		Packs that have Global Trade
		Identification Numbers (GTINs).
<ampp></ampp>		This collection of tags will repeat
		for each AMPP that contains a
		GTIN
<amppid></amppid>		AMPP identifier (SNOMED
		code) Reference to AMPP on
		main AMPP file
0701		Up to a maximum of 18 digits
<gtin></gtin>		GTIN
		Either 13 or 14 digits with the
OTABERT		rightmost digit a Check Digit
<startdt></startdt>		GTIN date - Date the GTIN
		became Valid
ENDDT		Always 10 characters
<enddt></enddt>	Υ	The date the GTIN became
		invalid
(OTINIDATA		Always 10 characters
		End Tag

# **Appendix B – Detailed description of BNF/ATC XML files**

Conventions used in tag naming.

DT = date in format CCYY-MM-DD

CD = from lookup

NM = name

ID = key field pointing to another tag on same or different file

#### **BNF/ATC**

TAG Name	Optional	Description
<bnf_details></bnf_details>		Root Node
<vmps></vmps>		All Virtual Medicinal Products that have British National Formulary (BNF) or Anatomical Therapeutic Classification (ATC) details.
<vmp></vmp>		Virtual Medicinal Product – this collection of tags will occur for each Virtual Medicinal Product
<vpid></vpid>		VMP identifier (SNOMED code). Reference to VMP on main VMP file
<bnf></bnf>	Υ	Up to a maximum of 18 digits BNF Code
<dive></dive>	I	Up to a maximum of 8 digits
<atc></atc>	Y	ATC Code Up to a maximum of 7 characters
<ddd></ddd>	Υ	Defined Daily dose relating to ATC code Up to a maximum of 6 digits
<ddd_uomcd></ddd_uomcd>	Y	Defined daily dose Unit of measure, narrative can be located in lookup file under tag <unit_of_measure> Up to a maximum of 18 digits</unit_of_measure>
		End Tag
		End Tag
<amps></amps>		All Actual Medicinal Products that have BNF details.
<amp></amp>		Actual Medicinal Product – this collection of tags will occur for each Actual Medicinal Product
<apid></apid>		AMP identifier (SNOMED code). Reference to AMP on main AMP file. Up to a maximum of 18 digits
<bnf></bnf>		BNF Code Up to a maximum of 8 digits
		End Tag
		End Tag
		End Tag

# Annex I

# **Historical Issue Sheet**

Document reference	CDR018H
Document location	f:\csd\projects\cdr\sec\reports\cdr018H.do c
Title	Technical Specification of Data Files for the Dictionary of Medicines and Devices (dm+d)
Author	Alan Marshall/Kevan Mahoney
Issued to	Authorised dm+d Users
Why issued	For reference

# **Document control prior to 2013**

Version	Date	Amended by	Approved by	Details of amendments
Initial Release	24/05/2002	-	G Coyne	N/A
А	09/09/2002	A Marshall	K Mahoney	Change in Tag Names
В	16/12/2002	A Marshall	K Mahoney	Changes in extract frequency
С	05/02/2003	A Marshall	K Mahoney	Changes in tag order to match model
D	10/02/2003	A Marshall	K Mahoney	Addition of INVALID and VMP non availability indicator
E	05/03/2004	R Thompson	A Marshall	Release 2 of DM+D
F	06/12/2004	A Marshall		Reflect changes to schedule 10 and 11 indicator
G	19/01/06	A Marshall		Changes to VTM for release 2.3 and supplementary BNF/ATC files
Н	15/12/06	K Frenz M Johnson		Changes to match Editorial Policy and Data Model. Correction of TAG name in document only for strength value denominator/unit from 'DENOM' to 'DNMTR'
I	27/11/07	M Johnson		EAN supplementary file
J	18/04/2008	M Johnson		Field sizes added
К	13/10/2008	M Johnson		Reflect changes to distribution process. Updates to VMP prescribing status
L	28/07/2009	M Johnson		All references to EAN have been changed to GTIN

M	17/082010	M. Johnson	Reflect textual changes to a VMP Prescribing status value.
N	07/08/2013	G. Bawn G. Jepson	Extract Format amended to include GTIN zip file Supplementary files amended to reflect removal of GTIN content GTINs to be 13 or 14 character in length Reference to CSM amended to EMA Reference to ZERO_DISCD amended to DND Former Appendix C GTIN TAG Name and associated details revised and incorporated into Appendix A