

# Canadian Clinical Drug Data Set

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# 1 Release Notes; Version 20180320

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An enhancement to the section "[About the Technical Specification](#)" to clarify the line terminators to be used in all CCDD files will be Unix (LF).

The allowable status strings has been modified to add an additional status of "Deprec" (deprecated). Concepts with this status indicate a concept that was created in error and should not be used in systems. This change has been made to all of the file types with a status attribute EXCEPT the Special Groupings file.

## 2 About the Technical Specification

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This technical specification identifies the data files for distributing the information contained in the Canadian Clinical Drug Data Set. A table for each CCDD file provides the format and description of the attributes within each of the files. The files are provided in CSV format with double quotes used as text qualifiers. All strings are coded in UTF-8 and the line terminators used for all files will be Unix (LF). The order of columns in the files may not match the table order as below.

### 3 Non-proprietary Therapeutic Product Full Release; (FILE NAME; ntp\_full\_release\_yyyymmdd)

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A representation of a brand independent and clinically oriented representation of a manufactured (therapeutic) drug product. The '**Full**' release contains one entry for every concept that has ever been released and new content added for that release. New content added for a specific release may at times include "Inactive" content.

Column	Data Type	Length	Description
ntp_code	String	7	Unique meaningless Non-proprietary Therapeutic Product identifier.
ntp_formal_name	String	500	The unambiguous description of the Non-proprietary Therapeutic Product that includes details necessary to distinguish it from other similar concepts.
ntp_en_description	String	500	The user-friendly English description that may be used for web applications or the user interface for any system. <i>NB: Not present in the files currently.</i>
ntp_fr_description	String	500	The user-friendly French description that may be used for web applications or the user interface for any system. <i>NB: Not present in the files currently.</i>
ntp_status	String	8	The lifecycle state for the product. Allowable values for status are "Active", "Inactive" and "Deprec" (to indicate a deprecated concept).
ntp_status_effective_time	String (Date)	8	The date of the product status in this file. Format = YYYYMMDD.

Column	Data Type	Length	Description
<b>ntp_type</b>	String	8	This attribute is used to differentiate combination products. Values = "Comb" (for Combination product) or "NA".



## 4 Therapeutic Moiety Full Release; ( FILE NAME; tm\_full\_release\_ yyyymmdd )

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The representation of the functional and clinically significant part of the active ingredient substance(s) present in a medicinal product, and as such the TM class is an abstract representation of a medicinal product without reference to strength and dose form, focusing only on active ingredient substance(s). The '**Full**' **release** contains one entry for every concept that has ever been released and new content added for that release. New content added for a specific release may at times include "Inactive" content.

Column	Data Type	Length	Description
tm_code	String	7	Unique meaningless Therapeutic Moiety identifier.
tm_formal_name	String	500	The unambiguous description of the Therapeutic Moiety that includes details necessary to distinguish it from other similar concepts.
tm_status	String	8	The lifecycle state for the product. Allowable values for status are "Active", "Inactive" and "Deprec" (to indicate a deprecated concept).
tm_status_effective_time	String (Date)	8	The date of the product status in this file. Format = YYYYMMDD.

## 5 Manufactured Product Full Release; (FILE NAME; mp\_full\_release\_ yyyymmdd )

The representation of a brand specific drug that is available for prescribing and dispensing in Canada. The '**Full**' **release** contains one entry for every concept that has ever been released and new content added for that release. New content added for a specific release may at times include "Inactive" content.

Column	Data Type	Length	Description
mp_code	String	8	The unique Manufactured Product identifier, that may be a Health Canada assigned DIN or NPN, or an identifier specific to the Canadian Clinical Drug Data Set.
mp_formal_name	String	500	The unambiguous description of the Manufactured Product that includes details necessary to distinguish it from other similar concepts.
mp_en_description	String	500	The user-friendly English description that may be used for web applications or the user interface for any system. <i>NB: Not present in the files currently.</i>
mp_fr_description	String	500	The user-friendly French description that may be used for web applications or the user interface for any system. <i>NB: Not present in the files currently.</i>
mp_status	String	8	The lifecycle state for the product. Allowable values for status are "Active", "Inactive" and "Deprec" (to indicate a deprecated concept).

Column	Data Type	Length	Description
<b>mp_status_effective_time</b>	String (Date)	8	The date of the product status in this file. Format = YYYYMMDD.
<b>mp_type</b>	String	8	The mp_type distinguishes whether the MP code corresponds to the DPD medicinal product (DIN) identifier, the natural health product (NPN) identifier or is a code created for the CCDD. Allowable values for mp_type are “DIN”, “NPN”, and “CCDD”.
<b>Health_Canada_identifier</b>	String	8	The DIN or NPN identifier assigned to an authorized medicinal product by Health Canada.
<b>Health_Canada_product_name</b>	String	200	The product name (as present in the DPD or Licensed Natural Health Products Database ( LNHPD)) approved by Health Canada, under which the drug product may be marketed.

## 6 Manufactured Product, Non-proprietary Therapeutic Product, Therapeutic Moiety Relationship; (FILE NAME; mp\_ntp\_tm\_relationship\_ yyyymmdd )

Each row represents the relationship between an MP and its NTP, and its TM (where one exists). It will include both active and inactive content from the full release files for the MP, NTP and TM. It will not include deprecated content.

Column	Data Type	Length	Description
<b>mp_code</b>	String	8	The unique Manufactured Product identifier, that may be a Health Canada assigned DIN or NPN, or an identifier specific to the Canadian Clinical Drug Data Set.
<b>mp_formal_name</b>	String	500	The unambiguous description of the Manufactured Product that includes details necessary to distinguish it from other similar concepts.
<b>ntp_code</b>	String	7	Unique meaningless Non-proprietary Therapeutic Product identifier.
<b>ntp_formal_name</b>	String	500	The unambiguous description of the Non-proprietary Therapeutic Product that includes details necessary to distinguish it from other similar concepts.
<b>tm_code</b>	String	7	Unique meaningless therapeutic moiety identifier.
<b>tm_formal_name</b>	String	500	The unambiguous description of the therapeutic moiety that includes details necessary to distinguish it from other similar concepts.

## 7 Device Non-proprietary Therapeutic Product Full Release; (FILE NAME; device-ntp\_full\_release\_ yyyymmdd )

A brand independent and clinically oriented representation of a healthcare device. The '**Full**' **release** contains one entry for every concept that has ever been released and new content added for that release. New content added for a specific release may at times include "Inactive" content.

Column	Data Type	Length	Description
device_ntp_code	String	7	Unique meaningless device non-proprietary therapeutic product identifier.
device_ntp_formal_name	String	500	The unambiguous description of the Device Non-proprietary Therapeutic Product that includes details necessary to distinguish it from other similar concepts.
device_ntp_en_description	String	500	The user-friendly English description that may be used for web applications or the user interface for any system. <i>NB: Not present in the files currently.</i>
device_ntp_fr_description	String	500	The user-friendly French description that may be used for web applications or the user interface for any system. <i>NB: Not present in the files currently.</i>
device_ntp_status	String	8	The lifecycle status for the concept in this file. Allowable values for status are "Active", "Inactive" and "Deprec" (to indicate a deprecated concept).
device_ntp_status_effective_time	String (Date)	8	The date of the status in this file. Format = YYYYMMDD.

## 8 Special Groupings; (FILE NAME; special\_groupings\_ yyyymmdd )

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This file identifies and provides relationships between concepts in the Canadian Clinical Drug Data Set (CCDD) and policies that apply to those products. The initial policy focus will be national and include opioid-containing products and controlled substances.

The file also provides information about the status of that relationship, so that historic information can be maintained (e.g. for a product whose policy information has changed over time).

Column	Data Type	Length	Description
ccdd_code	String	8	Unique meaningless identifier for a concept within the Canadian Clinical Drug Data Set. This may be a tm_code, an ntp_code or an mp_code.
ccdd_formal_name	String	500	The unambiguous description of the concept within the Canadian Clinical Drug Data Set. This may be a tm_formal_name, an ntp_formal_name or an mp_formal_name.
ccdd_type	String	15	The identification of the specific Canadian Clinical Drug Data Set concept type (either MP, NTP or TM).

Column	Data Type	Length	Description
<b>policy_type</b>	String	250	A code representing the policy that the concept described in <code>ccdd_code</code> is controlled by. The detail of the code can be found in the <a href="#">coded_attributes file</a> .
<b>policy_reference</b>	String	250	A reference to further information about the policy. This reference may be a url.
<b>special_groupings_status</b>	String	8	The lifecycle status of the relationship between the concept described in <code>ccdd_code</code> and the policy described in <code>policy_type</code> . Allowable values for this status are "Active" and "Inactive".
<b>special_groupings_status_effective_time</b>	String (Date)	8	For "Active" status entries, this is the date that the information became present in this file. For "Inactive" status entries, this is the date that the policy information in this file is no longer applicable. Format = YYYYMMDD.

#### **Coded Attribute; (FILE NAME; coded\_attribute\_YYYYMMDD)**

This file provides the coded values used in an attribute field within the CCDD.

Column	Data Type	Length	Description
<b>attribute</b>	String	50	The name of the specific coded attribute from the <a href="#">CCDD file type</a> .
<b>attribute_code</b>	String	8	Unique identifier for an attribute value within the Clinical Drug Data Set.
<b>attribute_value</b>	String	50	Unambiguous description of an attribute within Clinical Drug Data Set.
<b>CCDD_file_type</b>	String	200	The name of the specific CCDD file type the attribute is from.
<b>attribute_status</b>	String	8	The lifecycle status for the concept in this file. Allowable values for status are "Active", "Inactive" and "Deprec" (to indicate a deprecated concept).
<b>attribute_status_effective_time</b>	String (Date)	8	The date of the status in this file. Format = YYYYMMDD.



## 9 Non-proprietary Therapeutic Product Delta Release; (FILE NAME; ntp\_delta\_release\_yyyymmdd )

A representation of the changes from the previous released version of the ntp\_full\_release. Only the NTP concepts that have changed will be provided in this file. The “**Delta' release**” contains only those concepts that have been added or changed since the previous release. The type of changes would include; inactivated and changes to any description.

Column	Data Type	Length	Description
ntp_code	String	7	Unique meaningless Non-proprietary Therapeutic Product identifier.
ntp_formal_name	String	500	The unambiguous description of the Non-proprietary Therapeutic Product that includes details necessary to distinguish it from other similar concepts.
ntp_en_description	String	500	The user-friendly English description that may be used for web applications or the user interface for any system. <i>NB: Not present in the files currently.</i>
ntp_fr_description	String	500	The user-friendly French description that may be used for web applications or the user interface for any system. <i>NB: Not present in the files currently.</i>
ntp_status	String	8	The lifecycle state for the product. Allowable values for status are “Active”, “Inactive” and “Deprec” (to indicate a deprecated concept).
ntp_status_effective_time	String (Date)	8	The date of the product status in this file. Format = YYYYMMDD.

Column	Data Type	Length	Description
<b>ntp_type</b>	String	8	This attribute is used to differentiate combination products. Values = "Comb" (for Combination product) or "NA".
<b>change_type</b>	String	10	This attribute provides the types of change applied to any aspect of the concept or applicable attributes. The types of change include "added" or "changed"

## 10 Therapeutic Moiety Delta Release; ( FILE NAME ; tm\_delta\_release\_ yyyymmdd )

A representation of the changes from the previous released version of the tm\_full\_release. Only the TM concepts that have changed will be provided in this file. The “**Delta**” release contains only those concepts that have been added or changed since the previous release. The type of changes would include; inactivated and changes to any description.

Column	Data Type	Length	Description
tm_code	String	7	Unique meaningless Therapeutic Moiety identifier.
tm_formal_name	String	500	The unambiguous description of the Therapeutic Moiety that includes details necessary to distinguish it from other similar concepts.
tm_status	String	8	The lifecycle state for the product. Allowable values for status are “Active”, “Inactive” and “Deprec” (to indicate a deprecated concept).
tm_status_effective_time	String (Date)	8	The date of the product status in this file. Format = YYYYMMDD.
change_type	String	10	This attribute provides the types of change applied to any aspect of the concept or applicable attributes. The types of change include “added” or “changed”

## 11 Manufactured Product Delta Release; (FILE NAME; mp\_delta\_release\_ yyyymmdd )

A representation of the changes from the previous released version of the mp\_full\_release. Only the MP concepts that have changed will be provided in this file. The “**Delta' release**” contains only those concepts that have been added or changed since the previous release. The type of changes would include; inactivated and changes to any description.

Column	Data Type	Length	Description
mp_code	String	8	The unique Manufactured Product identifier, that may be a Health Canada assigned DIN or NPN, or an identifier specific to the Canadian Clinical Drug Data Set.
mp_formal_name	String	500	The unambiguous description of the Manufactured Product that includes details necessary to distinguish it from other similar concepts.
mp_en_description	String	500	The user-friendly English description that may be used for web applications or the user interface for any system. <i>NB: Not present in the files currently.</i>
mp_fr_description	String	500	The user-friendly French description that may be used for web applications or the user interface for any system. <i>NB: Not present in the files currently.</i>
mp_status	String	8	The lifecycle state for the product. Allowable values for status are “Active”, “Inactive” and “Deprec” (to indicate a deprecated concept).
mp_status_effective_time	String (Date)	8	The date of the product status in this file. Format = YYYYMMDD.

Column	Data Type	Length	Description
<b>change_type</b>	String	10	This attribute provides the types of change applied to any aspect of the concept or applicable attributes. The types of change include “added” or “changed”

## 12 Device Non-proprietary Therapeutic Product Delta Release; (FILE NAME; device- ntp\_delta\_release\_ yyyymmdd )

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A representation of the changes from the previous released version of the Device-ntp\_full\_release. Only the Device-NTP concepts that have changed will be provided in this file. The “**Delta**” release contains only those concepts that have been added or changed since the previous release. The type of changes would include; inactivated and changes to any description.

Column	Data Type	Length	Description
device_ntp_code	String	7	Unique meaningless Device Non-proprietary Therapeutic Product identifier
device_ntp_formal_name	String	500	The unambiguous description of the Device Non-proprietary Therapeutic Product that includes details necessary to distinguish it from other similar concepts.
device_ntp_en_description	String	500	The user-friendly English description that may be used for web applications or the user interface for any system. <i>NB: Not present in the files currently.</i>
device_ntp_fr_description	String	500	The user-friendly French description that may be used for web applications or the user interface for any system. <i>NB: Not present in the files currently.</i>
device_ntp_status	String	8	

Column	Data Type	Length	Description
			The lifecycle status for the concept in this file. Allowable values for status are "Active", "Inactive" and "Deprec" (to indicate a deprecated concept).
<b>device_ntp_status_effective_time</b>	String (Date)	8	The date of the status in this file. Format = YYYYMMDD.
<b>change_type</b>	String	10	This attribute provides the types of change applied to any aspect of the concept or applicable attributes. The types of change include "added" or "changed"