

Entity and Attribute Definitions Report

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Parameters

<i>Application:</i>	AACDET
<i>Entities:</i>	%
<i>ER Diagram:</i>	%
<i>Include Entity Notes?</i>	Y
<i>Include Attribute Descriptions?</i>	Y
<i>Include Attribute Notes?</i>	Y
<i>Include Attribute Values?</i>	Y
<i>Include Table of Contents?</i>	N
<i>Include Index of Entities?</i>	Y

Entity Name: CFA NUMBER CODE			<i>Short Name:</i>	CFAC
<i>Plural:</i>	CFA NUMBER CODE			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Community Forest Agreement - Mamagement Unit Code List

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* CFA_NUMBER_CODE		N	VARCHAR2	3
Community Forest Agreement - Management Code ie: K1A				
DESCRIPTION		N	VARCHAR2	120
A description of the code identifying a Community Forest Agreement				
EFFECTIVE_DATE		N	DATE	
The date the code came into effect.				
EXPIRY_DATE		N	DATE	
The date the code expires on.				
UPDATE_TIMESTAMP		N	DATE	
The date and time the code values were last updated.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

CFAC	Primary	Y
CFA_NUMBER_CODE		

Entity Name: DETERMINATION MANAGEMENT UNIT**Short Name:**

PMU

Plural: DETERMINATION MANAGEMENT UNIT**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:****MANAGEMENT UNIT**

"list of management units to which aac and mu events apply" G.Lawrence
Management Unit is a defined area of land which is managed to provide a volume of timber which can be harvested on a sustainable basis.

There are three major types of management units:

1. Timber Supply Areas (TSA's) - large areas with defined boundaries which are managed by the Forest Service, where many different licensees harvest timber under a variety of types of licences. The AAC for a TSA is for Crown Land only and is set periodically by the Chief Forester and is based on a TSA Rationale

2. Tree Farm Licences (TFL's) - large areas of Crown and Private land, covered by a single tree farm licence, and managed by the licensee.

The AAC for a TFL has Private land (Schedule A) and Crown land (Schedule B) components, each with an AAC set by the Chief Forester.

There may be Schedule B AAC apportioned to other forms of tenures, such as Small Business Forest Enterprise Program sales. TFLs are identified by number and name (e.g. TFL39, Squamish). The licence number and the management unit number are the same for TFLs.

Reporting on TFLs includes:

- Long Term Harvest Level (LTHL) in m3

- Total Area of the TFL in hectares

- Productive Area,

- Current Operating Area.

3. Woodlot Licences (WL's) - small areas of Private and Crown land, covered by a single woodlot licence, and managed by the licensee.

There are separate AACs for the Private and Crown portions of the WL, set by the Regional Manager, District Manager, or a Forest Officer.

The land base of the woodlot licence is removed from the TSA at the time the licence is issued. The AAC and Apportionment of the TSA is not adjusted until the next TSA analysis, based on the Inventory Effective Date.

There is a requirement to report the Crown portion of the Woodlot Licence AAC, listed by the TSA that previously covered the woodlot licence

so that these volumes can be considered for TSA analysis.

Monitoring of the Woodlot Licence Program requires that the Crown portion of the AAC (Schedule B) for all active WLs issued in the TSA since the last TSA analysis, be compared to the WL apportionment for the TSA. The schedule B AAC used for this calculation is the AAC at the date of issuance of the WL, not the volume currently in effect.

Woodlot Licences may be increased in area and AAC, at the re-issuance date for the licence (referred to as topping up). This may occur once per licence, and the additional Schedule B AAC resulting from the top up must be included in monitoring reports.

Reporting on WLs includes the Total Area of the WL in hectares, and the Current Operating Area. WLs are identified by the licence number (e.g. W0539).

When a Woodlot Licence is terminated (closed) the land based reverts to the TSA from which it was established.

AAC Partitions

The volume of timber which makes up the AAC for a managed unit may come from several sources, called AAC Partitions (sometimes referred to as Partitioned Components). Partitions are used by Timber Supply Branch in AAC determination, to identify sources of timber where they

Entity Name: DETERMINATION MANAGEMENT UNIT (cont'd)**Short Name:**

PMU

have reduced confidence that the contribution to the total AAC will occur. Partitions are defined by geographic area, operability, or leading species.

The Chief Forester sets the AAC for the managed unit (and each partitioned component within it), based on a TSA Rationale, a document produced by Timber Supply Branch which details the volume of timber available, social, economic, and other factors which affect the decision on the rate of harvest. The determination date (when the chief forester signs the rationale), and AAC effective date are used for reporting AACs.

Forms of Agreement

In TSAs, the minister apportions the timber in each partitioned compartment, determining the volume t

hat is available to different

Forms of Agreement. Forms of Agreement include:

- Forest Licences (FLs) replaceable
- Forest Licences nonreplaceable
- Timber Sale Licences (TSLs) > 10,000 M3 AAC, replaceable
- Timber Sale Licences <= 10,000 M3 AAC, replaceable
- Timber Sale Licences (major), nonreplaceable
- Timber Sale Licence Pulpwood Agreements, (Sec 18(1)a)
- Small Business Forest Enterprise Program (SBFEP) Section 16
- SBFEP Category 1 (sec 16)
- SBFEP Category 2 (sec 16)
- SBFEP Bid Proposals
- Forest Service Reserve
- Woodlot Licences

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* DETERMINATION_MGMT_ID		N	NUMBER	5
A unique key identifying each management unit				
MGMT_UNIT_TYPE		N	VARCHAR2	1
The administrative management unit as defined by the ministry for managing the forest land, eg. TSA.				
MGMT_UNIT_ID		Y	VARCHAR2	4
The number that is assigned to a specific administrative management unit. For Managment Unit Type 'F' Woodlots, there are no mgmt_unit_ids as the data provided is a roll-up value by region.				

* = Attributes in primary unique identifier.

Relationships:

Each Occurrence Of This Entity:

MUST BE operates within one or more DETERMINATION MGMT ORG XREF

MAY BE has one or more DETERMINATION PARTITION EVENT

* = Relationships in primary unique identifier.

Unique Identifiers:

MU1	Primary	Y
DETERMINATION_MGMT_ID		

Entity Name: DETERMINATION MGMT ORG XREF			<i>Short Name:</i> DMOXREF
<i>Plural:</i> DETERMINATION MGMT ORG XREF			
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Maintains a list of Regions that have bee responsible for managing the selected management unit and for what period of time

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* MGMT_EVENT_NO		N	NUMBER	10
Unique id within a management unit that identifies the order in which an region has managed the management uint.				
EFFECTIVE_DATE		N	DATE	
The date at which the selected region became responsible for managing the seleted management unit.				
EXPIRY_DATE		Y	DATE	
The date at which the selected region completed managing the selected management unit.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

- * MUST BE catergorized by one and only one DETERMINATION MANAGEMENT UNIT
- * MUST BE identified by one and only one ORG UNIT
- * = Relationships in primary unique identifier.

Unique Identifiers:

DMOXREF	Primary	Y
MGMT_EVENT_NO		
MUST BE catergorized by one and only one DETERMINATION MANAGEMENT UNIT		
MUST BE identified by one and only one ORG UNIT		

Entity Name: DETERMINATION PARTITION EVENT**Short Name:** DETEVENT**Plural:** DETERMINATION PARTITION EVENT**Init. Volume:****Avg. Volume:****Max. Volume:****Annual Growth Rate:****Description:**

the specification that a partition of the total AAC for a management unit must be harvested from a particular part of the supply profile - for example a portion of the AAC must be harvested from areas which have high access or operational costs.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* EVENT_ID		N	NUMBER	6
Unique identifier for an entry in the table.				
ENTRY_DATE		N	DATE	
Date the entry was made in the table.				
ENTRY_USERID		N	VARCHAR2	40
Userid of the person entering the data.				
DETERMINED_DATE		N	DATE	
Date the rationale was signed by the Chief Forester, or if not recorded, the date the letter to licensee (TFLs) was signed or if neither available set to equal determination date and note in comments.				
EFFECTIVE_DATE		N	DATE	
Date the determination comes into effect, may be after or before the determination date.				
COMMENTS		Y	VARCHAR2	1000
Optional information which may assist understanding the reason for the determination.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

- * MUST BE applies to one and only one DETERMINATION MANAGEMENT UNIT
- MUST BE has one or more DETERMINATION PARTITION VALUE
- MUST BE is described by one and only one DETERMINATION TYPE CODE
- MUST BE determined by one and only one DETERMINER
- * = Relationships in primary unique identifier.

Unique Identifiers:

MUE Primary Y

MUST BE applies to one and only one DETERMINATION MANAGEMENT UNIT
EVENT_ID

Entity Name: DETERMINATION PARTITION TYPE

Short Name:

DPT

Plural: DETERMINATION PARTITION TYPE

Init. Volume: 3

Avg. Volume:

Max. Volume: 3

Annual Growth Rate:

Description:

Partition type for which the Allowable Annual Cut is being recorded

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* DETERMINATION_PARTITION_TYPE_ID		N	NUMBER	2
Unique identifier assigned to a partition type & short name				
DETERMINATION_PARTITION_TYPE		N	VARCHAR2	40
AAC Partitions				
The volume of timber which makes up the AAC for a managed unit may come from several sources, called AAC Partitions (sometimes referred to as Partitioned Components). Partitions are used by Timber Supply Branch in AAC determination, to identify sources of timber where they have reduced confidence that the contribution to the total AAC will occur. Partitions are defined by geographic area, operability, or leading species.				
The name of a particular partition may denote different problems in different management units. For instance, Forest Health/salvage may apply to beetle killed timber in one management unit, and root rot in another.				
The Chief Forester sets the AAC for the managed unit (and each partitioned component within it), based on a TSA Rationale, a document produced by Timber Supply Branch which details the volume of timber available, social, economic, and other factors which affect the decision on the rate of harvest. The determination date (when the chief forester signs the rationale), and AAC effective date are used for reporting AACs.				
TFLs are also apportioned, by:				
- Licensee Schedule A AAC				
- Licensee Schedule B AAC				
- SBFEP Schedule B				
Apportionments by the minister have an approved date, when the apportionment was determined, and an effective date.				
DESCRIPTION		N	VARCHAR2	120
A description for the affiliated aac partition type				
SHORT_NAME		N	VARCHAR2	
Short version for the determination partition type to be used in pull-downs and or report column names				
UPDATE_TIMESTAMP		N	DATE	
date the partition type was entered or last updated.				
* = Attributes in primary unique identifier.				

Relationships:Each Occurrence Of This Entity:

MAY BE assigned to one or more DETERMINATION PARTITION VALUE

* = Relationships in primary unique identifier.

Unique Identifiers:

DETPARTTYPEID Primary Y

DETERMINATION_PARTITION_TYPE_ID

Entity Name: DETERMINATION PARTITION VALUE			Short Name: DETEVNTVAL
Plural:	DETERMINATION PARTITION VALUE		
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:

Description:

statistical variables and values associated with each particular aac e
vent

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
VOLUME		Y	NUMBER	12,1
The volume (cubic meters) associated with an Event_Variable				
AREA		Y	NUMBER	12
The area value (hectares) of an Event_Variable.				
* = Attributes in primary unique identifier.				

- Relationships:*
- Each Occurrence Of This Entity:
- * MUST BE associated with one and only one DETERMINATION PARTITION EVENT
 - * MUST BE identified by one and only one DETERMINATION PARTITION TYPE
- * = Relationships in primary unique identifier.

Unique Identifiers:

DETEVNTVAL	Primary	Y
MUST BE associated with one and only one DETERMINATION PARTITION EVENT		
MUST BE identified by one and only one DETERMINATION PARTITION TYPE		

Entity Name: DETERMINATION TYPE CODE			Short Name:	DETTYP
Plural:	DETERMINATION TYPE CODE			
Init. Volume:	Avg. Volume:	Max. Volume:	Annual Growth Rate:	

Description:
types of determination

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* DETERMINATION_TYPE_CODE		N	VARCHAR2	2
Type of determination event being recorded.				
Determination - a decision affecting the allowable annual cut of the management unit has taken place.				
Postponement - the chief forester or deputy chief forester has decided that a determination of AAC is not warranted at this time.				
Tenure Expired - the management unit has been retired - should really be called management unit retired - and its AAC has thus been reduced to 0.				
Woodlot Update - we have received an updated AAC for woodlots				
DESCRIPTION		N	VARCHAR2	120
A description for the affiliated code .				
EFFECTIVE_DATE		N	DATE	
The date the code came into effect.				
EXPIRY_DATE		N	DATE	
The date the code expires on.				
UPDATE_TIMESTAMP		N	DATE	
The date and time the code values were last updated.				
* = Attributes in primary unique identifier.				

Relationships:

Each Occurrence Of This Entity:

MAY BE describes one or more DETERMINATION PARTITION EVENT
* = Relationships in primary unique identifier.

Unique Identifiers:

DT	Primary	Y
DETERMINATION_TYPE_CODE		

Short Name: DETRMNR

Init. Volume: Avg. Volume:

Annual Growth Rate:

list of determination authorities

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
DETERMINER_ID		N	NUMBER	3
unique id assigned to a determiner				
DETERMINER_SHORT_NAME		N	VARCHAR2	4
Initials of the authority making the determination.				
DETERMINER_FULL_NAME		N	VARCHAR2	50
Full name of the authority making the determination.				
* = <i>Attributes in primary unique identifier.</i>				

Each Occurrence Of This Entity:

* = Relationships in primary unique identifier.

DET	Primary	Y
DETERMINER_ID		

Entity Name: ORG UNIT**Short Name:** ORG UNIT**Plural:** ORG UNIT**Init. Volume:** **Avg. Volume:** **Max. Volume:** **Annual Growth Rate:****Description:**

Records codes for ministry Organizational Units (offices), such as Branch, Region, or District office. Codes are currently defined to the office, section/program, and subsection level.

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u> <u>Format</u>	<u>Length</u>
* ORG_UNIT_NO		N NUMBER	10
Unique physical identifier for the storage of organizational unit codes for the Ministry of Forests' offices. Values stored here are for the computer's use only, and are not to be used by people as "ministry codes".			
ORG_UNIT_CODE		N CHAR	6
Identifies any office within the ministry. First character identifies Exec, HQ Branch, Region, or District; next two chars identify the office name; next two the section (HQ Branch) or program (Region or District); last char identifies the subsection.			
ORG_UNIT_NAME		N VARCHAR2	100
The name or title of a ministry office or section; for example Kamloops Forest Region; Silviculture Branch; Kispiox Forest District Protection program.			
LOCATION_CODE		N CHAR	3
Unique identifier for one of the office locations within the Ministry of Forests.			
AREA_CODE		N CHAR	3
A 3-digit number that identifies each telephone service area in a country.			
TELEPHONE_NO		N CHAR	7
The general office telephone number (excluding the area code) for a Ministry of Forests office.			
ORG_LEVEL_CODE		N CHAR	1
Represents the organizational level of the Ministry, and is one of D District Forestry Office, E Executive, H Headquarters Branch, and R Regional Forestry Office.			
ROLLUP_REGION_NO		N NUMBER	10
Identifier designating the region to which the org unit is rolled into for reporting purposes. Values stored here are for the computer's use only, and are not to be used by people as "Ministry codes".			
ROLLUP_REGION_CODE		N CHAR	6
Identifier designating the region to which the org unit is rolled into for reporting purposes.			
ROLLUP_DIST_NO		N NUMBER	10
Identifier designating the district to which the org unit is rolled into for reporting purposes. Values stored here are for the computer's use only and are not to be used by people as "Ministry codes".			
ROLLUP_DIST_CODE		N CHAR	6
Identifier designating the district to which the org unit is rolled into for reporting purposes.			

Entity Name: ORG UNIT (cont'd)		Short Name:	ORG UNIT
EFFECTIVE_DATE	N DATE		
The date the Organizational Unit became effective as a valid Org Unit within the ministry's organizational structure.			
UPDATE_TIMESTAMP	Y TIMESTAMP		
The date and time of the last update.			
EXPIRY_DATE	N DATE		
The date the Organizational Unit is Obsoleted and is no longer an active Org Unit within the ministry's organizational structure. At the determination of Human Resources Branch, an expired Org Unit may be retained for historical purposed, or may be dele			
OFFICE_NAME_CODE	N CHAR	2	
Represents an office within a specific organizational level.			
* = Attributes in primary unique identifier.			

Relationships:

Each Occurrence Of This Entity:

MAY BE identifies one or more DETERMINATION MGMT ORG XREF
* = Relationships in primary unique identifier.

Unique Identifiers:

OU1	Primary	Y
ORG_UNIT_NO		

Entity Name: PSYU NUMBER CODE		<i>Short Name:</i>	PSYU
<i>Plural:</i>	PSYU NUMBER CODE		
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>

Description:

Contains the list of Public Sustained Yield Unit - Management unit codes maintained for historical purposes

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* PSYU_NUMBER_CODE		N	VARCHAR2	3
Public Sustained Yield Unit (management unit code). This is for historical purposes as PSYU's are no longer used.				
DESCRIPTION		N	VARCHAR2	120
A description of the code identifying a Public Sustained Yield Unit				
EFFECTIVE_DATE		N	DATE	
The date the code came into effect.				
EXPIRY_DATE		N	DATE	
The date the code expires on.				
UPDATE_TIMESTAMP		N	DATE	
The date and time the code values were last updated.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

PNC	<i>Primary</i>	Y
PSYU_NUMBER_CODE		

Entity Name: TFL NUMBER CODE			<i>Short Name:</i>	TNC
<i>Plural:</i> TFL NUMBER CODE				
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:
A code Identifying a Tree Farm License.

<i>Attributes:</i>		<u>Opt</u>	<u>Format</u>	<u>Length</u>
<u>Name</u>	<u>Domain</u>			
* TFL_NUMBER		N	VARCHAR2	2
A code used to identify a specific Tree Farm License.				
DESCRIPTION		Y	VARCHAR2	120
The name associated with a Tree Farm License.				
EFFECTIVE_DATE		Y	DATE	
The date the TFL became effective.				
EXPIRY_DATE		Y	DATE	
The date the TFL expired.				
UPDATE_TIMESTAMP		N	DATE	
The date and time the code values were last updated.				
* = <i>Attributes in primary unique identifier.</i>				

<i>Unique Identifiers:</i>	
TNC	<i>Primary</i> Y
TFL_NUMBER	

Entity Name: TSA NUMBER CODE			<i>Short Name:</i> TNC1	
<i>Plural:</i> TSA NUMBER CODE				
<i>Init. Volume:</i>	<i>Avg. Volume:</i>	<i>Max. Volume:</i>	<i>Annual Growth Rate:</i>	

Description:

Attributes:

<u>Name</u>	<u>Domain</u>	<u>Opt</u>	<u>Format</u>	<u>Length</u>
* TSA_NUMBER		N	VARCHAR2	2
DESCRIPTION		Y	VARCHAR2	120
The name associated with a Timber Supply Area.				
EFFECTIVE_DATE		Y	DATE	
The date the code came into effect.				
EXPIRY_DATE		Y	DATE	
The date the code expires on.				
UPDATE_TIMESTAMP		N	DATE	
The date and time the code values were last updated.				
* = Attributes in primary unique identifier.				

Unique Identifiers:

TNC1	Primary	Y
TSA_NUMBER		

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