



Automated Information Updating (AIU) File Layout

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CANNEX Financial Exchanges Limited AIU File Layout – V1.02

The file will contain 1 header (HDR) record and 1 trailer record (TRL); there will be multiple rate records (RAT, Ann, Cnn, Inn, Rnn) records. Fields with a numeric format are stored as ASCII data with decimals included, if appropriate (e.g. "9.000"). All other fields are left justified. When the file is in a delimited format then all leading and trailing spaces are removed.

File Name Format

With certain AIU updating processes (e.g. FTP), the file name format needs to be in the required format (e.g. TERM0001Prof). In these cases the format is as follows:

Component	Position	Notes
Product type	1-4	Mandatory. A valid product type.
IPNO	5-8	Mandatory. Supplied by CANNEX.
AIU profile	9-12	Optional. Supplied by CANNEX.

Record Type and Product Type Usage

Product Type	Description	HDR	REM	TRL	RAT	Add	Cdd	Idd	Rdd
ANTC	Annuities - Canada	M	O	M	n/a	O*	O*	O*	O*
MORT	Mortgages	M	O	M	M	n/a	n/a	n/a	n/a
RRIF	RRIFs	M	O	M	M	n/a	n/a	n/a	n/a
DEPA	Deposit Accounts	M	O	M	M	n/a	n/a	n/a	n/a
LOAN	Personal Loans	M	O	M	M	n/a	n/a	n/a	n/a
LPRM	Prime Lending Rates	M	O	M	M	n/a	n/a	n/a	n/a
TERM	Term Deposits/GICs/GIAs	M	O	M	M	n/a	n/a	n/a	n/a
USTD	US Term Deposits	M	O	M	M	n/a	n/a	n/a	n/a
ANTU	Annuities(SPIAs) - USA	M	O	M	n/a	O*	O*	O*	O*
SPDA	SPDAs	M	O	M	M	n/a	n/a	n/a	n/a

M = mandatory

O = optional

O* = optional, but at least one from group is required

n/a = not used

Header

Field	Format	Value	Description
Record type	XXX	HDR	Header record
File type	XXX	AIU	Indicates that this file contains information for the Automated Information Updating (AIU) system.
Version	X9.99[X]	V1.02	An optional lower case letter may follow the version number. This letter indicates that there has been non-structural changes to the file since the last version. A change to the numerical version number indicates that a structural change has being made since the last version.
Create date	YYYYMMDD		The date of the file creation, must the current date.
Create time	HHMMSS		The time of the file creation.
IPNO	X(4)		This is the CANNEX information provider number for which the rates will be updated. This code MUST be obtained from CANNEX.
Product type	X(4)		This is a standard CANNEX product code. Select one of the following to indicate the type of product associated with the rates (e.g. ANTC, RRIF, TERM etc.).
Update date	YYYYMMDD		The date that the rates are to be updated on the CANNEX System. If the Update date is blank then the next three fields are ignored and the Update date and Update time must be manually entered on the CANNEX System. If a non-interactive method of AIU file delivery was used (e.g. FTP or AIU Update via the web) then the Update date and time as well as the Effective date and time will be set to the current date and time.
Update time	HHMM		The time, in 24 hour time, that the rates are to be updated on the CANNEX System. If the Update date is the current date then Update time may be blank and the rates will be updated on the CANNEX System immediately. If Update time is entered then this is the time that the rates will be updated on the CANNEX System. If Update date is greater than the current date Update time must be entered.
Effective date	YYYYMMDD		The date that the rates are available to the public. If Effective date is blank then the Update date will be used as the Effective date. The Effective date may be before the Update date, but not more than 7 days, and Update date may be after Effective date but not more than 45 days.
Effective time	HHMM		The time, in 24 hour time, that the rates are available to the public. If Effective date is blank then Effective time must be blank and the Update time will be used as the Effective time. If Effective date is greater then the current date then Effective time must be entered.

Remarks

Field	Format	Value	Description
Record type	XXX	REM	Remark record
Remark	X(77)		This is a free format record used to document the file. It is ignored by the CANNEX AIU System, but is included in the trailer record's Record count total.

Rate Change

Field	Format	Value	Description
Record type	XXX	RAT	Rate change record.
Unique number	9(10)		This value MUST be obtained from CANNEX. Once it has been obtained it will be repeatedly used to update the rates specific to this particular product's parameters. If a new rate is added to a product or if a new product is added to the company's product list, it must first be added manually to the CANNEX System. Then the new unique number(s) can be obtained from CANNEX or by using the "Generate AIU File" function, or by the "Print All Products" function.
Interest rate 1	99.9999		This field is the new interest rate to be updated on the CANNEX System.
Interest rate 2	99.9999		If a second interest rate is required (see below), then this field should contain the new rate to be updated on the CANNEX System. If this field is not required, it must be blank.

Product Type	Description	Interest rate 2 requirement
MORT	Mortgages	Not used, must be blank.
RRIF	RRIFs	Not used, must be blank.
DEPA	Deposit Accounts	Not used, must be blank.
LOAN	Personal Loans	Must be supplied.
LPRM	Prime Lending Rates	Not used, must be blank.
TERM	Term Deposits/GICs/GIAs	Not used, must be blank.
USTD	US Term Deposits	Not used, must be blank.
SPDA	SPDAs	Optional, depends on product's parameters.

Rate Change

Field	Format	Value	Description
Record type	XXX	A00	Rate change record.
Unique number	9(10)		This value MUST be obtained from CANNEX. Once it has been obtained it will be repeatedly used to update the rates specific to this particular product's parameters. If a new rate is added to a product or if a new product is added to the company's product list, it must first be added manually to the CANNEX System. Then the new unique number(s) can be obtained from CANNEX or by using the "Generate AIU File" function, or by the "Print All Products" function.
Interest rate	99.9(12)		This field is the new interest rate to be updated on the CANNEX System.

Character Value Change

Field	Format	Value	Description
Record type	XXX	C00 to C99	Character value change record.
Unique number	9(10)		This value MUST be obtained from CANNEX. Once it has been obtained it will be repeatedly used to update the rates specific to this particular product's parameters. If a new rate is added to a product or if a new product is added to the company's product list, it must first be added manually to the CANNEX System. Then the new unique number(s) can be obtained from CANNEX or by using the "Generate AIU File" function, or by the "Print All Products" function.
Character value	X(10)		This field is the new interest rate to be updated on the CANNEX System.

Integer Value Record

Field	Format	Value	Description
Record type	XXX	I00 to I99	Integer value change record.
Unique number	9(10)		This value MUST be obtained from CANNEX. Once it has been obtained it will be repeatedly used to update the rates specific to this particular product's parameters. If a new rate is added to a product or if a new product is added to the company's product list, it must first be added manually to the CANNEX System. Then the new unique number(s) can be obtained from CANNEX or by using the "Generate AIU File" function, or by the "Print All Products" function.
Integer value	-9(12).99 to 9(12).99		This field is the new interest rate to be updated on the CANNEX System.

Real Value Change

Field	Format	Value	Description
Record type	XXX	R00 to R99	Real value change record.
Unique number	9(10)		This value MUST be obtained from CANNEX. Once it has been obtained it will be repeatedly used to update the rates specific to this particular product's parameters. If a new rate is added to a product or if a new product is added to the company's product list, it must first be added manually to the CANNEX System. Then the new unique number(s) can be obtained from CANNEX or by using the "Generate AIU File" function, or by the "Print All Products" function.
Real value	-9(6).9(12) to 9(6).9(12)		This field is the new interest rate to be updated on the CANNEX System.

Trailer

Field	Format	Value	Description
Record type	XXX	TRL	Trailer record
Record count	999999		Total records in file including trailer record. Blank lines are not included in the count.