Wilshire

Offering File Protocol

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- **Introduction**

Security master data (terms, conditions, and descriptive data) are data required to model securities in Wilshire Axiom. The following document specifies the data items required to load security master data. The set of data items needed for each security depends on the asset type, as not all security masters require the same types of data items. Many securities are modeled in the Wilshire Axiom database based on data feeds provided by its vendors (e.g., securities with an alphanumeric code such as CUSIP). However, certain categories of securities (e.g., agency generics, commercial papers and certificates of deposit) are not available in our database and will require supplementing the Wilshire Axiom existing security master data.

- **Data Requirements**

Below are the master data requirements for modeling four security types: a) securities with known identifiers, b) agency generic securities, c) commercial paper securities and d) certificate of deposit securities. Additional asset types can be added in consultation with Wilshire.

Securities with a known identifier		
File Convention		**Example**
File name	<2-character broker designated code>_SOH_Offerings_yyyymmdd.csv	WI_SOH_Offerings_20220131.csv
Delimiter Format	Comma delimited	
Header row	1 header row, column names below	
Footer row	No footer row required; empty row is sufficient	
Column Details		**Format**
1.	Analysis Date	yyyymmdd format
2.	Cusip	
3.	Amount offered	In Millions
4.	Price	In 100s, and not in 32nds
5.	Maturity	yyyymmdd format
6.	Security Description	
7.	Sector Code	i.e., Agency or Treasury
8.	Issuer	i.e., FHLB or FNMA or Treasury - please make sure all Issuers from the same company match the same convention
9.	Coupon Rate	i.e., "1.5" for 1.5%
10.	Payment Frequency	1 for annual, 2 for semiannual, 4 for quarterly
11.	Payment Basis	30/360, 30E/360, Act/360, Act/365, Act/Act
12.	First Coupon Date	yyyymmdd format
13.	Settlement Date	yyyymmdd format
14.	Coupon Type	Fixed, Floating, Step, etc
15.	Call Date	yyyymmdd format
16.	Call Type	One Time, Anytime, Quarterly, Semiannual
17.	Call Schedule	"Date, Number;" i.e., "20220603,100;20220903,100"

Commercial Paper Securities		
File Convention		**Example**
File name	<2-character broker designated code>_CP_Offerings_yyyymmdd.csv	WI_CP_Offerings_20220131.csv
Delimiter Format	Comma delimited	
Header row	1 header row, column names below	
Footer row	No footer row required; empty row is sufficient	
Column Details		**Format**
1.	Analysis Date	yyyymmdd format
2.	Amount offered	In Millions
3.	Discount Rate	i.e., "1.5" for 1.5%
4.	Maturity (First Maturity Date is fine)	yyyymmdd format
5.	Maturity Range (if applicable)	no spaces, i.e., 20220211-20220318
6.	Sector Code	probably CP
7.	Issuer	i.e., Wilshire - please make sure all Issuers from the same company match the same convention
8.	S&P Rating	
9.	Moody's Rating	
10.	Fitch Rating	
11.	Reg Type	Can also leave blank
12.	Settle Date	yyyymmdd format

Agency Generic Securities		
File Convention		**Example**
File name	<2-character broker designated code>_Generics_Offerings_yyyymmdd.csv	WI_Generics_Offerings_20220131.csv
Delimiter Format	Comma delimited	
Header row	1 header row, column names below	
Footer row	No footer row required; empty row is sufficient	
Column Details		**Format**
1.	Security Identifier	unique identifier, 8 characters max
2.	Analysis Date	yyyymmdd format
3.	Cost	
4.	Purchase Date	yyyymmdd format
5.	Amount offered	In Millions
6.	Security Description	
7.	Coupon Rate	i.e., "1.5" for 1.5%
8.	Maturity	yyyymmdd format
9.	Price	In 100s, and not in 32nds
10.	S&P Rating	
11.	Moody's Rating	
12.	Payment Frequency	1 for annual, 2 for semiannual, 4 for quarterly
13.	Payment Basis	30/360, 30E/360, Act/360, Act/365, Act/Act
14.	Dated Date	yyyymmdd format
15.	Sector Code	i.e., Agency or Govt
16.	Callable	1 for callable, 0 for noncallable
17.	Call Type	One Time, Anytime, Quarterly, Semiannual
18.	Call Schedule	"Date, Number;" i.e., "20220603,100;20220903,100"
19.	Call Notice	Days required to call
20.	Make Whole	Y or N
21.	Make Whole Expiration	yyyymmdd format
22.	Make Whole Premium	Make whole call premium (i.e., "0.40" for 0.40%)
23.	Coupon Type	Fixed, Floating, Step, etc
24.	Number of Step Dates	Number of step coupon entries
25.	Step Schedule	"Date, Number;" i.e., "20220603,2;20220903,3"

Certificate of Deposit Securities		
File Convention		**Example**
File name	<2-character designated broker code>_CD_Offerings_yyyymmdd.csv	WI_CD_Offerings_20220131.csv
Delimiter Format	Comma delimited	
Header row	1 header row, column names below	
Footer row	No footer row required; empty row is sufficient	
Column Details		**Format**
1.	Analysis Date	yyyymmdd format
2.	Cusip	
3.	Amount offered	In Millions
4.	Price	In 100s, and not in 32nds
5.	Maturity	yyyymmdd format
6.	Security Description	
7.	Sector Code	CD
8.	Issuer	i.e., Wilshire - please make sure all Issuers from the same company match the same convention
9.	Coupon Rate	i.e., "1.5" for 1.5%
10.	Payment Frequency	1 for annual, 2 for semiannual, 4 for quarterly
11.	Payment Basis	30/360, 30E/360, Act/360, Act/365, Act/Act
12.	First Coupon Date	yyyymmdd format
13.	Settlement Date	yyyymmdd format
14.	Coupon Type	Fixed, Floating, Step, etc
15.	Call Date	yyyymmdd format
16.	Call Type	One Time, Anytime, Quarterly, Semiannual
17.	Call Schedule	"Date, Number;" i.e., "20220603,100;20220903,100"

- **Method of update**

The protocol for Wilshire's processing of offering files for the State of Hawaii will require delivery of the files to Hawaii's working directory. This can be achieved using the below method:

> Hawaii direct access - Daily offering files (see Appendix for details) should be placed in Hawaii's working directory in the Hosted environment (\Axiom\Files folder). The broker files can be emailed to Hawaii, and then Hawaii can place the files in the working directory.

- **Appendix**

See attached offering file examples. The CSV files can be emailed and then Hawaii can place them directly in the working directory (\Axiom\Files folder).