

APL Fixed Income

Account Master Data

In addition to the SNAM, there are certain account master fields that should be coded for accounts holding fixed income instruments:

ADM	Administrator.
DESFIX	Desired Fixed Income %.
FDTYPE	Fund Type.
INVGRP	Investment Group.
MGR	Manager.
OBJECT	Investment Objective.
RR	Registered Representative.

Security Master Data

There are also certain account master fields that should be coded for accounts holding fixed income instruments:

CPNRT	Coupon Rate.
CUSIP	Complete CUSIP number.
CUSIP1	First 6 characters of the CUSIP.
CUSIP2	Last 3 characters of the CUSIP.

DELAY Payment delay in days (factorable securities).

DTD Dated Date.

Dated date flag. Used to indicate long and special payment frequency. There are 4 positions in the payment flag:

- Position 1: Long / Short First Coupon
 - L - Long first coupon (DTD to coupon date following normal first coupon payment date)
 - S - Short first coupon (DTD to normal first coupon payment date, period is less than normal coupon period)
 - F - Flat (Indicates that the bond is not paying interest, but redemption is not impaired)
 - D - Default (Indicates that the bond is not paying interest and will not be redeemed, yield is assumed to be 0)
 - X - No value (default value)
- Position 2: Payment Frequency
 - M - Monthly
 - Q - Quarterly
 - X - Semi-annually (default)
 - S - Semi-annually
 - A - Annually
 - T - At Maturity
- Position 3: Day Count Method
 - 0 - 30 / 360 (default)
 - 1 - Actual / actual
 - 2 - 30 / actual
 - 3 - Actual / 360
- Position 4: Strip Indicator
 - I - Income Only (cash flows used in bond analysis will use only income, MBS will post "pseudo pay-downs", only interest will affect cash)
 - P - Principal Only (cash flows used in bond analysis will use only principal, WAC field will be used to determine nominal coupon rate used in calculating the whole bond scheduled payment)

DTDFL

FACT	Current Factor.
FACTDT	Date of current factor.
FACTPR	Previous factor.
FACTPD	Date of previous factor.
FIXTYP	Fixed income type.
ISSTY	Security issue type.
MATDT	Maturity date.
MCALLD	Call date.
MCALLP	Call price.
MPUTDT	Put date.
MPUTPR	Put price.
MRATNG	Moody rating.
MSTATE	Issuing state for municipals.
OTERM	Original term to maturity, in years.
POOL	Pool number for factorable securities.
PRERED	Pre-refunding date.
PREREP	Pre-refunding price.
PSAPCT	PSA pre-payment speed (1.00 = 100%)
RESET	Next coupon reset date for floating rate securities.
SNPRAT	S&P rating.
SPPDT	Special payment date.
SVCFEE	Service Fee.
WAC	Weighted average coupon.
WAM	Weighted average maturity.

Pre-processed Fields

DURAT Modified duration

YTM Yield to maturity

DURAT and YTM are calculated nightly by the system. To over-ride, enter the desired duration or yield as a negative number. Reports will use that number (without the minus sign) instead of calculating a new yield, and overnight processing will leave your override untouched. Review forced values regularly so they do not become stale.

Both of these numbers are stored in the account master field \$FIXAVG. \$FIXAVG is adjusted for committed trades, allowing you to see how yield and duration are affected by current activity.

Analytics

APL calculates yields and durations following the SIA calculation standards for conventional bonds and the PSA model for factorable securities.

The system determines the effective redemption date by the following rules, executed in order:

Start by assuming the bond will be redeemed at par or maturity date.

Look at the call provision. If call price is less than current price, use call price for redemption price and call date for redemption date.

Look at the put provisions. If put exists and put date comes before the assumed redemption date, use put date / price for redemption date / price.

Look at the pre-refunding information. If the bond is pre-refunded, use pre-refunding date / price as the redemption date / price.

Fixed Income Specific Reports

AMORT Book values and amortization changes.

BONDEDGEALL Downloadable file of security master data for bonds.

BONDFEATURE Accounts holding fixed income calls and puts, and pre -refunded bonds.

DURPORT Duration and rating of fixed income assets held across a group of selected accounts.

FIXEDAUDIT Missing or inconsistent fixed income security data.

FIXGWK	All fixed income assets held sorted by issue type.
FIXMAT	All fixed income assets held in an account sorted by maturity year and issue type.
FIXRATE	All fixed income assets held in an account with ratings and maturity data.
FIXWDS	Detailed information on all fixed income assets held in an account.
INDSUMFIX	Bond inventory of all bonds held across a group of selected accounts.
MANAGEREFFMAT	Effective maturity assets held in a group of selected accounts.
MATREP	Accounts holding fixed income securities that mature within one year.
MGRORIGFACE	Accounts holding factorable securities and includes original face amount.
REDEMPTION	Accounts holding securities that have matured.
SHOWNOFACE	Accounts holding factorable securities with no or inconsistent face amounts.
SUMFIX	Fixed Income asset detail in a single account or group of accounts.
SUMFIXRATE	Ratings and maturity distribution.
SUMFIXRIT	Fixed income holdings.

Fixed Income Functions

DOCALLPUT	Process calls and puts.
EDITFIXTYP	Edit fix type for amortization.
FIXTYPMAP	Table identifying which security master fields should appear in EDITSEC when editing fixed income securities. FIXTYP field must be coded on the security level.
POSTACC	Post accrual over-rides with interest or dividend payments.
POSTPAYDOWN	Post paydowns for factorable securities.
YIELDSCREEN	View and calculate yield scenarios.

Amortization

Amortization and accretion are offered as an extra service on APL. Contact your account manager if you are interested in this feature.

Original cost, purchase date and yield to maturity at cost are permanently stored in EDPORT. Amortized cost is calculated while running reports. SETAMORT is the switch for turning amortized cost on and off.

EDGLOBALMEMO determines firm-wide defaults. EDMEMO over-rides amortization methods at the account level. The two functions use the same syntax:

AMORT- (method): FIXTYP, OVERRIDE

The “method” may be NO for no amortization, YLD for yield amortization, or SL for straight-line amortization. The FIXTYP is either the code in FIXTYP or the special code ALL referring to all bonds with a valid FIXTYP. The OVERRIDE handles special circumstances relating to original purchase. The following overrides are valid:

D	Bonds purchased at a discount.
P	Bonds purchased at a premium.
DL	Discounts with maturity > 1 yr. from purchase.
DS	Discounts with maturity < 1 yr. from purchase.
PL	Premiums with maturity > 1 yr. from purchase.
PS	Premiums with maturity < 1 yr. from purchase.

The 5th level of EDPORT provides fields controlling amortization at the tax lot level.

YLDCST	Yield to maturity at cost.
AMTMTH	Method: NONE, YLD or SL.
AMTDT	Redemption date over-ride.
AMTPR	Redemption price over-ride.