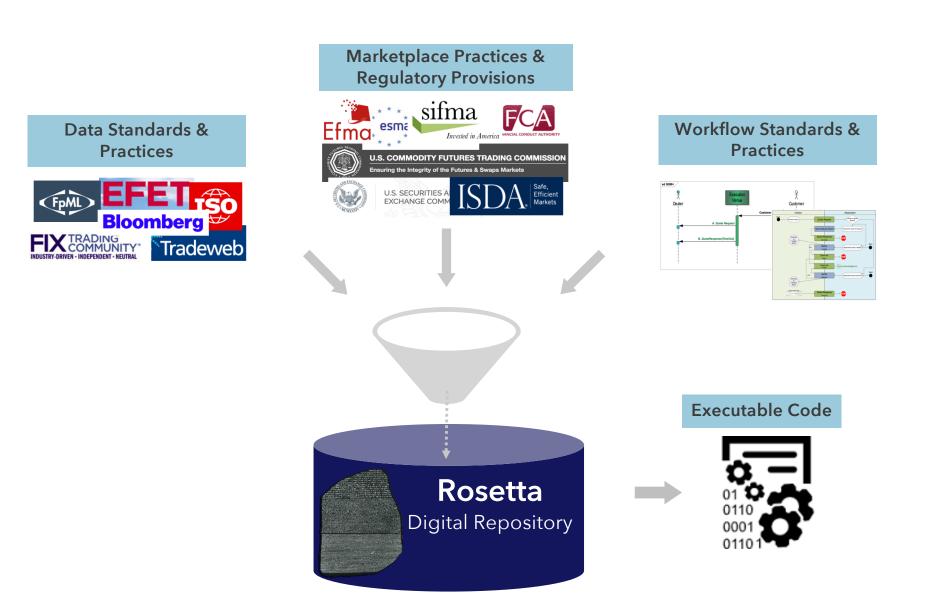
RegTech and Robo-Rulebooks

CFTC Technology Advisory Committee October 5, 2018





2006 ISDA

Definitions

(f) if "30/360", "360/360" or "Bond Basis" is specified, the number of days in the Calculation Period or Compounding Period in respect of which payment is being made divided by 360, calculated on a formula basis as follows:

Day Count Fraction = $\frac{[360 \times (Y_2 - Y_1)] + [30 \times (M_2 - M_1)] + (D_2 - D_1)}{360}$

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* DayCountFraction 30/360
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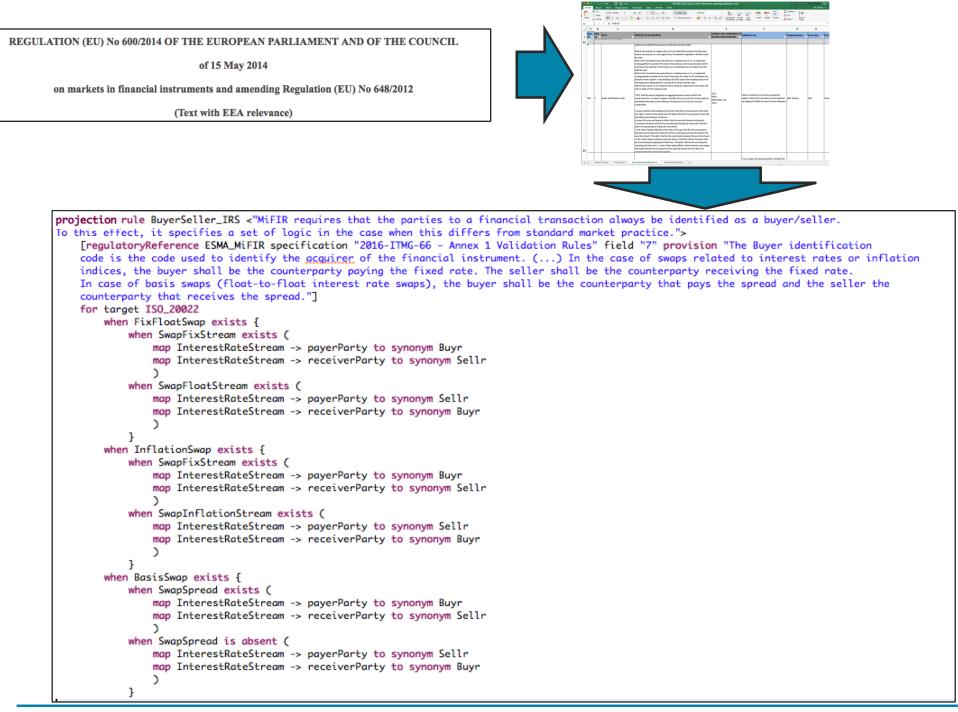
calculation DayCountFractionEnum._30_360 <"2006 ISDA Definition Article 4 section 4.16(f): if "30/360", "360/360" or "Bond Basis" is specified, the number of days in the Calculation Period or Compounding Period in respect of which payment is being made divided by 360, calculated on a formula basis as follows:[[360 x (Y2 - Y1)] + [30 x (M2 - M1)] + (D2 - D1)]/360.">

number: (360 * (endYear - startYear) + 30 * (endMonth - startMonth) + (endDay - startDay)) / 360

arguments DayCountFractionEnum._30_360 <"The arguments to calculate the 30E/360 day count fraction. 2006 ISDA Definition Article 4 section 4.16(g). 'Y1' is the year, expressed as a number, in which the first day of the Calculation Period or Compounding Period falls; 'Y2' is the year, expressed as a number, in which the day immediately following the last day included in the Calculation Period or Compounding Period falls; 'M1' is the calendar month, expressed as a number, in which the first day of the Calculation Period or Compounding Period falls; 'M2' is the calendar month, expressed as a number, in which the day immediately following the last day included in the Calculation Period or Compounding Period falls; 'D1' is the first calendar day, expressed as a number, of the Calculation Period or Compounding Period, unless such number would be 31, in which case D1 will be 30; and 'D2' is the calendar day, expressed as a number, immediately following the last day included in the Calculation Period or Compounding Period, unless such number would be 31, in which case D1 will be 30; and 'D2' is the calendar day, expressed as a number, immediately following the last day included in the Calculation Period or Compounding Period, unless such number would be 31 and D1 is greater than 29, in which case D2 will be 30.">
{

alias period CalculationPeriod(InterestRatePayout -> calculationPeriodDates)

endYear : is period -> endDate -> year startYear : is period -> startDate -> year endMonth : is period -> endDate -> month startMonth : is period -> startDate -> month startDay : is Min(period -> startDate -> day, 30) endDay : is if period -> startDate -> day > 29 then Min(period -> endDate -> day, 30) else period -> endDate -> day



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17 CFR Part 43	pricing characteristic public evaluate the shall not include any price of the publicly	No. Calleri (Body) 11 A. A. = (B)
RIN 3038-AD08		A B C D E F G H 1 Rates approach for PN and APN reporting as of October 16, 2012:
ransaction Data	al Register / Vol. 77, No. 5/ Monday, January 9, 2012/Rules and Regulations premiums associated with margin, collateral, independent amounts, reconcilable post- execution events, reportable swap transaction.	Product Price Notation 1 Price Notation 3 Additional Price Notation 3 Swap Na 5 FRA Flord Rate n/a
GENCY: Commodity Futures Trading	options on a swap, or other non-economic characteristics. The format in which the	11 XCCY fix-Fix Rate Log 1 (Fixed) Rate Log 2 (Fixed) Fee 2 Fee 1 nla 12 Olds Rate Log 1 (Fixed) Rate Log 2 (Spread) Fee 2 Fee 1 nla 13 Inflation Swaps Rate Log 1 (Fixed) Rate Log 2 (Spread) Fee 2 Fee 1 nla
Commission. ACTION: Final rule.	pricing characteristic is real-time reported to the public shall be the format commonly sought by market particionan for each	14 Cap/Floor Cap/Floor Nate Floor Premium 15 Swaption Rate Leg 2 (Spread) Floor 2 Floor Premium 15 Debt Option Strike Price n/a Floor 2 Floor 1 Premium 16 Debt Option Strike Price n/a Floor 2 Floor 1 Premium 17 Excellor Price 1 n/a n/a n/a n/a n/a
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<pre>CFIC public price reporting provisions. This h [marketPractice ISDA write-up "ISDA PN-APN price information of OTC derivatives for co and Additional Price Notation (APN) fields. for target CFTC_Part43 when FixFloatSwap exists (map SwapFixRate to synonym PN1 map SwapSpread to synonym PN2 map SwapFee to synonym [PN3, APN]) when InflationSwap exists (map SwapFixRate to synonym PN1 map SwapFixRate to synonym PN2 map SwapFee to synonym PN2 map SwapFee to synonym PN2 map SwapFee to synonym PN2</pre>	as become the reference guidelin Approach Document v1.0 2013_03_: mpliance with the CFTC Part 43 p	ne for the marketplace."> 15" recommendation "ISDA recommendation for the reporting of the