DR 09-0233– SML, core: Shortcoming with ValIso

Part 1, §18.3.2.5 will be updated as follows:

Attributes	Description
maxValIso (Max ISO Value)	A maximum date value for dynamic filter. maxValIso shall be required for today, yesterday, tomorrow, nextWeek, thisWeek, lastWeek, nextMonth, thisMonth, lastMonth, nextQuarter, thisQuarter, lastQuarter, nextYear, thisYear, lastYear, and yearToDate. The above criteria are based on a value range; that is, if today's date is September 22nd, then the range for thisWeek is the values greater than or equal to September 17 and less than September 24. In the thisWeek range, the lower value is expressed valIso. The higher value is expressed using maxValIso. These dynamic filters shall not require valIso or maxValIso: Q1, Q2, Q3, Q4, M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11 and M12. The above criteria shall not specify the range using val/valIso and maxValIso because Q1 always starts from M1 to M3, and M1 is always January. These types of dynamic filters shall use val and shall not use maxValIso: • aboveAverage and belowAverage The possible values for this attribute are defined by the W3C XML Schema dateTime datatype.
type (Dynamic filter type)	Dynamic filter type, e.g., “today” or “nextWeek”. The possible values for this attribute are defined by the ST_DynamicFilterType simple type (§0).
val (Value)	A minimum numeric value for dynamic filter. See description of valIso to understand when val is required. The possible values for this attribute are defined by the W3C XML Schema double datatype.
valIso (ISO Value)	A minimum date value for dynamic filter. (See description of maxValIso to understand when val/valIso is required.) Only these types of dynamic filters use numeric data, and therefore shall use val and shall not use valIso: • aboveAverage and belowAverage The possible values for this attribute are defined by the W3C XML Schema dateTime datatype.

Part 4, §10.3.2 will be updated as follows:

10.3.2 Additional attributes for dynamicFilter element (Part 1, §18.3.2.5)

The following ~~additional~~ attributes have modified descriptions when ~~can be~~ specified for a document of a transitional conformance class:

Attributes	Description
maxVal (Max Value)	A maximum value for dynamic filter. maxVal/maxValIso shall be required for today, yesterday, tomorrow, nextWeek, thisWeek, lastWeek, nextMonth, thisMonth, lastMonth, nextQuarter, thisQuarter, lastQuarter, nextYear, thisYear, lastYear, and yearToDate. The above criteria are based on a value range. [*Example*: If today's date is September 22nd, then the range for thisWeek is the values greater than or equal to September 17 and less than September 24. *end example*] In the thisWeek range, the lower value is expressed using val or valIso. The higher value is expressed using maxVal or maxValIso. These dynamic filter shall not require val/valIso or maxVal/maxValIso: Q1, Q2, Q3, Q4, M1, M2, M3, M4, M5, M6, M7, M8, M9, M10, M11 and M12. The above criteria shall not specify the range using val/valIso and maxVal/maxValIso because Q1 always starts from M1 to M3, and M1 is always January. These types of dynamic filters shall use val~~/valIso~~ and shall not use maxVal/maxValIso: aboveAverage and belowAverage. If maxValIso and maxVal are both present, maxValIso shall take precedence. The possible values for this attribute are defined by the W3C XML Schema double datatype.
type (Dynamic filter type)	Dynamic filter type, e.g., “today” or “nextWeek”. The possible values for this attribute are defined by the ST_DynamicFilterType simple type (§0).
val (Value)	A minimum numeric or serial date value for dynamic filter. See description of valIso to understand when val is required. If valIso and val are both present, valIso shall take precedence. The possible values for this attribute are defined by the W3C XML Schema double datatype.
valIso (ISO Value)	A minimum date value for dynamic filter. (See description of maxVal/maxValIso to understand when val/valIso is required.) The possible values for this attribute are defined by the W3C XML Schema dateTime datatype.

Part 1, §18.18.26 will be updated as follows:

18.18.26 ST_DynamicFilterType (Dynamic Filter)

These are the dynamic filter types. A dynamic filter returns a result set which might vary due to a change in the data itself or a change in the date on which the filter is being applied. For example, for a set of data {1,1,2,3}, the aboveAverage filter would return or highlight the last two values in the set. If the data is refreshed or changed to {1,1,1,2}, then only the last value would be highlighted. Similarly, the meaning of "lastQuarter" shall be the same for the dates in January, February, and March, but shall change meaning once the date advances from March to April.

This simple type's contents are a restriction of the W3C XML Schema string datatype.

This simple type is restricted to the values listed in the following table:

Enumeration Value	Description
aboveAverage (Above Average)	Shows values that are above average.
belowAverage (Below Average)	Shows values that are below average.
lastMonth (Last Month)	Shows last month's dates.
lastQuarter (Last Quarter)	Shows last calendar quarter's dates.
lastWeek (Last Week)	Shows last week's dates, using Sunday as the first weekday.
lastYear (Last Year)	Shows last year's dates.
M1 (1st Month)	Shows the dates that are in January, regardless of year.
M10 (10th Month)	Shows the dates that are in October, regardless of year.
M11 (11th Month)	Shows the dates that are in November, regardless of year.
M12 (12th Month)	Shows the dates that are in December, regardless of year.
M2 (2nd Month)	Shows the dates that are in ~~Februray~~ February, regardless of year.
M3 (3rd Month)	Shows the dates that are in March, regardless of year.
M4 (4th Month)	Shows the dates that are in April, regardless of year.
M5 (5th Month)	Shows the dates that are in May, regardless of year.
M6 (6th Month)	Shows the dates that are in June, regardless of year.
M7 (7th Month)	Shows the dates that are in July, regardless of year.
M8 (8th Month)	Shows the dates that are in August, regardless of year.
M9 (9th Month)	Shows the dates that are in September, regardless of year.
nextMonth (Next Month)	Shows next month's dates.
nextQuarter (Next Quarter)	Shows next calendar quarter's dates.
nextWeek (Next Week)	Shows next week's dates, using Sunday as the first weekday.
nextYear (Next Year)	Shows next year's dates.

Enumeration Value	Description
null (Null)	Common filter type not available.
Q1 (1st Quarter)	Shows the dates that are in the 1st calendar quarter, regardless of year.
Q2 (2nd Quarter)	Shows the dates that are in the 2nd calendar quarter, regardless of year.
Q3 (3rd Quarter)	Shows the dates that are in the 3rd calendar quarter, regardless of year.
Q4 (4th Quarter)	Shows the dates that are in the 4th calendar quarter, regardless of year.
thisMonth (This Month)	Shows this month's dates.
thisQuarter (This Quarter)	Shows this calendar quarter's dates.
thisWeek (This Week)	Shows this week's dates, using Sunday as the first weekday. .
thisYear (This Year)	Shows this year's dates.
today (Today)	Shows today's dates.
tomorrow (Tomorrow)	Shows tomorrow's dates.
yearToDate (Year To Date)	Shows the dates between the beginning of the year and today, inclusive.
yesterday (Yesterday)	Shows yesterday's dates.

Schema changes are needed.

Relax NG changes are needed.