PROPOSAL FOR DMN12-201

ON PAGE 126, REPLACE TABLE 53 BY THE FOLLOWING:

**Table 53: List of properties per type**

|  |  |  |
| --- | --- | --- |
| **type(*e*)** | ***e .* name** | **name =** |
| date | result is the named component of the date object **e**. Valid names are shown to the right. | year, month, day, weekday |
| date and time | result is the named component of the date and time object **e**. Valid names are shown to the right. | year, month, day, weekday, hour, minute, second, time offset, timezone |
| time | result is the named component of the time object **e**. Valid names are shown to the right. | hour, minute, second, time offset, timezone |
| years and months duration | result is the **name**d component of the years and months duration object **e**. Valid names are shown to the right. | years, months |
| days and time duration | result is the **name**d component of the days and time duration object **e**. Valid names are shown to the right. | days, hours, minutes, seconds |

**Table 53.1: Specific semantics of date, time and duration properties**

|  |  |  |
| --- | --- | --- |
| **name** | ***type(*name)** | **description** |
| year | number | the year number as an integer in the interval [-999,999,999 .. 999,999,999] |
| month | number | the month number as an integer in the interval [1..12], where 1 is January and 12 is December |
| day | number | the day of the month as an integer in the interval [1..31] |
| weekday | number | the day of the week as an integer in the interval [1..7] where 1 is Monday and 7 is Sunday (compliant with the definition in ISO 8601) |
| hour | number | the hour of the day as an integer in the interval [0..23] |
| minute | number | the minute of the hour as an integer in the interval [0..59] |
| second | number | the second of the minute as a decimal in the interval [0..60) |
| time offset | days and time duration | the duration offset corresponding to the timezone the date or date and time value represents. The time offset duration must be in the interval **[duration(“-PT14H”)..duration(“PT14H”)]** as per the XML Schema Part 2 dateTime datatype. The **time offset** property returns null when the object does not have a time offset set. |
| timezone | string | the timezone identifier as defined in the IANA Time Zones database. The **timezone** property returns null when the object does not have an IANA timezone defined. |
| years | number | the normalized years component of a years and months duration value as an integer. This property returns null when invoked on a days and time duration value. |
| months | number | the normalized months component of a years and months duration value. Since the value is normalized, this property must return an integer in the interval [0..11]. This property returns null when invoked on a days and time duration value. |
| days | number | the normalized days component of a days and time duration value as an integer. This property returns null when invoked on a years and months duration value. |
| hours | number | the normalized hours component of a days and time duration value. Since the value is normalized, this property must return an integer in the interval [0..23]. This property returns null when invoked on a years and months duration value. |
| minutes | number | the normalized minutes component of a days and time duration value. Since the value is normalized, this property must return an integer in the interval [0..59]. This property returns null when invoked on a years and months duration value. |
| seconds | number | the normalized minutes component of a days and time duration value. Since the value is normalized, this property must return a decimal in the interval [0..60). This property returns null when invoked on a years and months duration value. |