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. |