

WG13 Issues - CIM Issues #5952

Clarification of how midnight is expressed in time-related CIM Compound classes

08/20/2022 12:21 PM - Pat Brown

Status:	In Progress		
Priority:	Normal		
Target version:			
Author/Contact Info:	Chris Kardos	Standard(s):	61968-11
Base Release:		Version:	
Solution to be Applied To:		Clause:	
Solution Version:		Sub-Clause:	
Solution Applied By:		Paragraph:	
Completion Date:		Table:	
CIM Keywords:	61968-Common	Originally Closed in Version:	
Breaking Change:	No	Origination Date:	
Breaking Change Description:		Origination ID:	
CIM Impacted Groups:	WG13, WG14, WG16, WG21	Originally Assigned To:	
Requestor:	Pat Brown		

Description

It would be helpful to clarify the use of 24:00:00 and 00:00:00 (or 24:00 and 00:00 or 24 and 00) in representing midnight in the .start and .end fields of the following CIM Compound Classes:

DateTimeInterval
TimeInterval

There appears to be an accepted practice to use the 24 form at the end of a time period and the 00 form at the beginning.

Proposed Solution

Investigate correctness of using the 24 form at the end of a time period and the 00 form at the beginning of a time period and update the documentation for the .start and .end attributes of the DateTimeInterval and TimeInterval classes.

History

#1 - 08/20/2022 12:22 PM - Pat Brown

- Subject changed from *Clarification of how midnight is expressed in time-related CIM Datatypes* to *Clarification of how midnight is expressed in time-related CIM Compound classes*

#2 - 09/19/2022 01:30 PM - Eric Stephan

2400 is no longer part of ISO standard as of 2019 (Wikipedia). This was confirmed in Hybrid WG13 meeting 9/19/2022.

AI: Update any references to 2400 in standard.

#3 - 09/19/2022 01:42 PM - Eric Stephan

Clarification on previous note: 2400 or 0 was not in the specification and is currently ambiguous. Need to clarify that 0 is only accepted.

DatetimeInterval does specify an inclusive start time and exclusive end time.

DateInterval, MonthDayInterval, TimeInterval need to be clarified

#4 - 09/19/2022 02:27 PM - Eric Stephan

- Status changed from *New* to *Open*

#5 - 09/19/2022 02:28 PM - Eric Stephan

- Status changed from *Open* to *Review*

#6 - 09/22/2022 02:21 PM - Eric Stephan

- Status changed from Review to In Progress