

WG13 Issues - CIM Issues #7070

Special characters in the UnitSymbol

11/29/2024 10:15 AM - Svein Olsen

Status:	Closed	
Priority:	Normal	
Target version:		
Author/Contact Info:	Svein Olsen	Standard(s): 61970-301
Base Release:	CIM18	Version:
Solution to be Applied To:	CIM18v14	Clause:
Solution Version:	CIM18v14	Sub-Clause:
Solution Applied By:	Chavdar Ivanov	Paragraph:
Completion Date:	12/05/2024	Table:
CIM Keywords:	61970-Domain	Originally Closed in Version:
Breaking Change:	No	Origination Date:
Breaking Change Description:		Origination ID:
CIM Impacted Groups:	WG13	Originally Assigned To:
Requestor:		

Description

We have not removed special characters in the UnitSymbol name. However, that are still special characters in the description. This needs special handling in tools that generate automatic from the export. We should consider replacing the character with plain ASCII. The following characters are used: {'é', 'LATIN SMALL LETTER E WITH ACUTE'}, {'ó', 'LATIN SMALL LETTER O WITH ACUTE'}, {'°', 'DEGREE SIGN'}, {'Þ', 'LATIN CAPITAL LETTER THORN'}, {'”', 'RIGHT DOUBLE QUOTATION MARK'}, {'“', 'LEFT DOUBLE QUOTATION MARK'}, {'·', 'MIDDLE DOT'}, {'³', 'SUPERSCRIPT THREE'}, {'”', 'RIGHT SINGLE QUOTATION MARK'}, {'í', 'LATIN SMALL LETTER I WITH ACUTE'}, {'²', 'SUPERSCRIPT TWO'}, {'ã', 'LATIN SMALL LETTER A WITH TILDE'}
Some of the UnitSymbole, UnitSymbole.J "Energy in joules (N·m = C·V = W·s)."

Proposed Solution

Update the special signe with plain ASCII as follow:

Character	Unicode	Description	Replaced with
'	U+2019	RIGHT SINGLE QUOTATION MARK	'
²	U+00B2	SUPERSCRIPT TWO	^2
é	U+00E9	LATIN SMALL LETTER E WITH ACUTE	e
ã	U+00E3	LATIN SMALL LETTER A WITH TILDE	a
“	U+201C	LEFT DOUBLE QUOTATION MARK	"
í	U+00ED	LATIN SMALL LETTER I WITH ACUTE	i
³	U+00B3	SUPERSCRIPT THREE	^3
°	U+00B0	DEGREE SIGN	deg
Þ	U+00DE	LATIN CAPITAL LETTER THORN	Th
·	U+00B7	MIDDLE DOT	*
”	U+201D	RIGHT DOUBLE QUOTATION MARK	"
ó	U+00F3	LATIN SMALL LETTER O WITH ACUTE	o

Character	Unicode	Description	Replaced with
'	U+2019	RIGHT SINGLE QUOTATION MARK	'
²	U+00B2	SUPERSCRIPT TWO	^2
é	U+00E9	LATIN SMALL LETTER E WITH ACUTE	e
ã	U+00E3	LATIN SMALL LETTER A WITH TILDE	a
“	U+201C	LEFT DOUBLE QUOTATION MARK	"
í	U+00ED	LATIN SMALL LETTER I WITH ACUTE	i
³	U+00B3	SUPERSCRIPT THREE	^3
°	U+00B0	DEGREE SIGN	deg
þ	U+00DE	LATIN CAPITAL LETTER THORN	Th
·	U+00B7	MIDDLE DOT	*
”	U+201D	RIGHT DOUBLE QUOTATION MARK	"
ó	U+00F3	LATIN SMALL LETTER O WITH ACUTE	o

Decision

Based on the TF13 discussion on 4 Dec 2024, Proposed solution was applied for Grid package

Release Notes

Special characters were fixed in the Base package

History

#1 - 12/05/2024 03:38 AM - Svein Olsen

- File clipboard-202412051038-a4dof.png added
- Subject changed from *Spesial characters in the UnitSymbol* to *Special characters in the UnitSymbol*
- Proposed Solution updated

#2 - 12/05/2024 02:41 PM - Chavdar Ivanov

- Status changed from *New* to *Open*
- Solution to be Applied To set to *CIM18v14*
- Solution Version set to *CIM18v14*
- Solution Applied By set to *Chavdar Ivanov*
- Completion Date set to *12/05/2024*
- Breaking Change set to *No*
- Decision updated

#3 - 12/05/2024 02:43 PM - Chavdar Ivanov

- Status changed from *Open* to *In Progress*

#4 - 12/05/2024 02:54 PM - Chavdar Ivanov

- Status changed from *In Progress* to *Closed*
- Release Notes updated

Files

clipboard-202412051038-a4dof.png

62.1 KB

12/05/2024

Svein Olsen