

Association for Standardization of Automation and Measuring Systems



MCD-2 MC Pilot Project

ASAM MCD2-MC V1.7.1 (Maintenance Revision)

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Background

The establishment of ASAM Japan G.K. helps a lot for all ASAM members in Japan. We submitted Change Requests (CRs) through the MCD-2MC study W/G. But we have no experience to contribute to the W/G activities in Europe.





Pilot Project

Thanks to the ASAM office and board member cooperation , the Pilot Project of the MCD-2MC W/G became reality from Feb, 2017 to Feb, 2018

- First project proposal from Japan
- Try out the method of collaboration between European members and Japanese ones via video conferencing
- 21 CRs submitted (including 3 from Japan)



(CR Example 1) White Space handling

- White space is defined as the separator between all language elements e.g. data types or keywords.
- Allowed white spaces

Ascii Code	Code	designation
0x09	HT	Horizontal Tabulation
0x0a	LF/NL	Line Feed / New Line
0x0b	VT	Vertical Tabulation
0x0c	FF/NP	Form Feed / New Page
0x0d	CR	Carriage Return
0x20	SPC	Space

(A2L file example) /beg(n MOD_COMMON_"Characteristic maps always deposited in same mode") DEPOSIT_ABSOLUTE BYTE_ORDER_____MSB_LAST() DATA_SIZE_160 ALIGNMENT_BYTE___20 /end_MOD_COMMON_



(CR Example 2) Dependent Parameters

- For an observer component it is important that it uses the same values as the main component.
 - The observer runs the same code and checks whether there are differences to the main controller
 - · All characteristics must have the same values to get the same result
- Dependent parameter support now a dedicated set of rules for complex data types.

	Dart of the rules	Only the output v			
•		The formula is ap			
	as example	The dependent cu			

Only the output values are calculated with the formula. The axis values are copied identically.
The formula is applied to each cell of the CURVE.
The dependent curve must have the same number of axis points.
Each cell of the 1st input CURVE is calculated with the related cell of the 2nd CURVE.
The dependent array must have the same size as the input.
Each cell of the 1st input VAL_BLK is calculated with the related 2nd input VAL_BLK.



V1.7.0 supports only values

1. Type of VALUE

Input Parameters:

V	VALUE_A			VALUE_	3
	Value	2		Value	3
			7		

Dependent Parameters:



Formula	VALUE_DEP3					
=VALUE_A*VALUE_B+5	Value 11					
Already supported.						



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V1.7.1 supports

2. Type of CURVE, MAP, CUBOID, CUBE_4, CUBE_5

Input Parameters:





Project Members

	PT Member ID	Name	First Name	Company		
Subm	nitter1	Miyoshi	Katsuhiro	Toyota		
	2	Sato	Tadamasa	Toyota	- '	
	3	Samezawa	Hiroshi	Honda		
	4	Watanabe	Akira	Nissan		
	5	Sukekawa	Kiyoto	Nissan		
	6	Ebisu	Tomomi	Vector Japan	- ,	
Leade	er 7	Wenzel	Thilo	ETAS	Ì	
	8	Amsbeck	Hendirk	dSpace	- '	
	9	Wenzel	Bernd	M&K		
	10	Lohberger	Franz	Visu-IT!		
	11	Schnorr	Elke	Vector		
	12	Paul	Wolfgang	Vector		

Fully Supported by Mr. Shoi and Mr. Thomsen



Schedule

X: Plan **A**: actual date

Work		Absolute time plan								Year:2017			
Package Nr	Work package short name		Feb	March h	April	May	June	July	Aug	Sep	Oct	Nov	Dec
1	Initial Preparation Meeting		(×2/1	4 at V	ector,	Stuttg	art / T	okyo)					
2	Workgroup Meeting I			(4/6	at Vec	ctor, St	uttgar	t / Nag	goya)			
3	Workgroup Meeting II					(▲5,	×19 at	Vecto	r, Stut	tgart /	Tokyo)	
4	Workgroup Meeting III							(▲7	/ <mark>X29</mark> at	Vecto	or, Stut	tgart /	Tokyø
5	Workgroup Meeting IV									(2 9/1	9 at WE	B)
6	Finalization Meeting										(▲1	0/5 at	<mark>Жев</mark>)
									(11,	⁄7 at V	VEB)▲		
Work		Absolute time plan							Year:2018				
Package Nr	Work package short name	Jan	Feb	March h	April	May	June	July	Aug	Sep	Oct	Nov	Dec
1	Review Phase	X (▲1 30 at WEB)											
2	Release		(▲2/	X 12 at V	VFB)								
3	Checker Release		(<u> </u>							Х			

- On first 4 meetings, we shared the slides by the WebEX and discussed through the video conference system. On last 4 meetings, we used only WebEX system.

(Status)

- v1.7.1 released (exclude the checker tool)
- 83/324 Pages were modified



Thank You