

Prefix Registration for CAA Libraries

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1 Overview

Regarding the „CAA Guideline for Library Design“ all building blocks of a library should be marked with a library specific prefix. Additionally all members of the CAA have the possibility to register their own prefixes. The list of these prefixes is published with this document.

For CoDeSys V3.x the prefix is not used in front of a symbol. It is used as a library namespace but without the “_” char.

Example: the CoDeSys 2.3 library function name “CL2_DriverOpenH” is transformed to a CoDeSys V3.x library function name “CL2.DriverOpenH”.

The prefix “CL2_” is transformed to the library namespace “CL2”.

2 List of Registered Prefixes

Prefix	Placeholder	Description	Owner	Error Domain
ACD_			ACD Antriebstechnik GmbH	
ASM_	CAA Async Manager	Library for asynchronous function calls (CAA_AsyncMan.library)	CAA	
APP_		Applications Library	CAA	1000-1099
BL_			Schneider Electric	
C3_		Compax3	Parker Hannifin GmbH	
CAA_	CAA Types	Library for system specific types (CAA_Types.library)	CAA	
CAP_			ELAU AG	
CB_	CAA Callback	Callback Library (CAA_Callback.library)	CAA	20000-20099
CBM_	CAA Behaviour Model	The CAA Behavior Model (CAA_BehaviourModel.library)	CAA	
CCF_		CANbus Configuration (CAA_CANConfig.library)	CAA	
CHECK_		called from CoDeSys CHECK-Functions	3S	
CIA405_	CAA CiA405	CAN in Automation FB's of DS405	CiA	
CL2_	CAA CanL2	CAN Layer 2 Library (CAA_CL2.library)	CAA	10200-10299
CL2I_	CAA CanL2I	CAN Layer 2 Library (CAA_CL2I.library)	CAA	10100-10199
CMD_		CAN Mini Driver (CAA_CANMiniDriver.library)	CAA	10000-10099
CO_	CAA CANopen Manager	CANopenManager (CAA_CANopenMan.library)	CAA	10400-10499
COM_	CAA SerialCom	Serielle Schnittstelle (CAA_SerialCom.library)	CAA	5000-5099
CS_	CAA CANopen Stack	CANopenStack (CAA_CANopenStack.library)	CAA	10300-10399
CU_	CAA Can User	CAN User Library (CAA_CANUser.library)	CAA	10500-10599
DB_			ELAU AG	
DD_		Danfoss Drives	Danfoss GmbH	
DEV_	CAA Device	Device (CAA_Device.library)	CAA	1200-1299
DSP_		Internal Parker System Functions	Parker Hannifin GmbH	

Prefix	Placeholder	Description	Owner	Error Domain
DTU_	CAA DTUtility	Date and Time Utility Library (CAA_DTUtil.library)	CAA	5750-5799
EIA_			ELAU AG	
ETH_	CAA Ethernet	Ethernet (CAA_Ethernet.library)	CAA	
FBI_		Generic Fieldbus Interface (CAA_FieldbusIntf.library)	CAA	
FD_			ELAU AG	
FILE_	CAA File	General File Utility Library (CAA_FILE.library)	CAA	5100-5199
IE_			ELAU AG	
INT_	CAA Interrupt	Interrupt Handling	CAA	
LIC_			ELAU AG	
LIN_			ELAU AG	
MATH_		Functions for Mathematics	CAA	30000-30099
MC_		PLCopen TaskForce Motion Control FBs	PLCopen	
MCO_		Motion Control Option	Danfoss GmbH	
ME_		Mauell Electronic	Helmut Mauell GmbH	
MEFB_		Mauell Electronic	Helmut Mauell GmbH	
MEM_	CAA Memory	Memory Library (CAA_Memory.library)	CAA	30200-30299
MBM_	CAA MemBlockMan	Memory Block Manager (CAA_MemBlockMan.library)	CAA	30100-30199
NBS_	NetBaseSrv	Network Base Services (CAA_NetBaseSrv.library)	CAA	
NFD_	CAA NetFrameDrv	Net Frame Driver (CAA_EthFrameDriver.library)	CAA	
PCI_	CAA PCI	PCIScan Bibliothek (CAA_PCIScan.library)	CAA	5200-5299
PDL_			ELAU AG	
PIO_		Parker I/O	Parker Hannifin GmbH	
PLmC_		C3 powerPLmC	Parker Hannifin GmbH	
POP_		Parker Operator Panel	Parker Hannifin GmbH	
PPC_		Internal Parker System Functions	Parker Hannifin GmbH	
PUT_			ELAU AG	
PV_			ELAU AG	
RSM_	CAA ResMan	CAA Resource Manager (CAA_ResMan.library)	CAA	30300-30399
ROB_			ELAU AG	
RT_			ELAU AG	

Prefix	Placeholder	Description	Owner	Error Domain
RTC_		Reserved for Standard.library RTC function block	IEC 61131	
RTCLK_	CAA RTCLK	RealTimeClock (CAA_RealTimeClock.library)	CAA	5700-5749
SE_			Schneider Electric	
SEA_		ELAU AG	ELAU AG	
SEC_		Schneider Electric Controller libraries	Schneider Electric	
SED_		Schneider Electric Device libraries	Schneider Electric	
SEF_		Schneider Electric Function libraries	Schneider Electric	
SHM_	CAA SharedMemory	SharedMemory Bibliothek (CAA_SharedMemory.library)	CAA	5400-5499
SEM_		Schneider Electric Motion libraries	Schneider Electric	
SEN_		Schneider Electric Network libraries	Schneider Electric	
SET_	CAA Settings	Device-Settings (CAA_Settings.library)	CAA	5300-5399
SIN_			ELAU AG	
SMC_		SoftMotion	3S	
SMC1_		Smart Motion Controller 1	Schneider Electric	
Sys		System- Library CoDeSys V2.3	3S	
TICKS_	CAA Tick	System-Tick (CAA_Tick.library)	CAA	5600-5649
TICKU_	CAA TickUtil	System-Tick-Utility Library (CAA_TickUtil.library)		5650-5699
TLC6_		Twin Line Controller 6	Schneider Electric	
TLCC_		Twin Line Cell Controller	Schneider Electric	
TLM2_		Twin Line Motion Controller 2	Schneider Electric	
TLM3_		Twin Line Motion Controller 3	Schneider Electric	
TMP_		Template (CAA_Template.library)	CAA	
TMR_	CAA Timer	Timer (CAA_Timer.library)	CAA	5500-5599
TPC_			ELAU AG	
TPD_			ELAU AG	
TPI_			ELAU AG	
TPL_			ELAU AG	
TSK_	CAA Task	Task- Library (CAA_Task.library)	CAA	1100-1199

Prefix	Placeholder	Description	Owner	Error Domain
UW_			ELAU AG	
WS			ELAU AG	

3 List of registered LibraryIds

LibraryId	Libraryname	Description
0x0001	CAA File	File Access
0x0002	CAA SerialCom	Serial Com Access
0x0003	CAA RealTimeClock	Real Time Clock Access
0x0004	CAA DTUtil	Local Time Access and Date and Time Utility

Changes

V 0.01	Hilmar Panzer, 3S	07.12.2004	Draft for the 5th Technical Workgroup Meeting
V 0.02	Hilmar Panzer, 3S	25.01.2005	Supplement Parker
V 0.03	Hilmar Panzer, 3S	24.02.2005	Supplement ELAU
V 0.04	Hilmar Panzer, 3S	14.03.2005	Supplement ELAU
V 0.05	Hilmar Panzer, 3S	21.03.2005	Supplement CHECK
V 0.06	Hilmar Panzer, 3S	27.06.2005	Supplement ELAU
V 0.07	Wolfgang Doll, 3S	06.07.2005	Supplement CAA_, MBM_, CL2_, CL2I,
V 0.08	Hilmar Panzer, 3S	28.09.2005	Supplement Sys, PCI_, SHM_
V 0.09	Hilmar Panzer, 3S	25.01.2006	Supplement RTC_, FILE_, TICKS_, COM_
V 0.10	Hilmar Panzer, 3S	10.04.2006	Supplement CU_, DTU_, MATH_, SET_, TICKU_, TSK_, Error Domain
V 0.11	Hilmar Panzer, 3S	30.05.2006	Supplement CO_, CS_
V 0.12	Wolfgang Doll, 3S	10.08.2006	Supplement DEV_
V 0.13	Wolfgang Doll, 3S	18.09.2006	Supplement CMD_
V 0.14	Wolfgang Doll, 3S	27.02.2007	Supplement CCM_, CCF_, ETH_, TMP_
V 0.15	Wolfgang Doll, 3S	16.08.2007	Replacement CCM_ to CBM_, Replacement EMD_ to EFD_, Supplement FBI_, Placeholder
V 0.16	Wolfgang Doll, 3S	24.09.2007	Supplement Danfoss, Supplement ASM_
V0.17	Wolfgang Doll, 3S	26.09.2007	Replacement EFD_ to NFD_ Supplement NETL4_, NETL4I, Replacement Placeholder CAA CanL2, CAA CanL2I_
V0.18	Wolfgang Doll, 3S	18.10.2007	Supplement Placeholder CAA TickUtil
V0.19	A. Kehrer, 3S	08.11.2007	List of registered LibraryIds
V0.20	Wolfgang Doll, 3S	03.03.2008	ELAU AG Prefix update
V0.21	Wolfgang Doll, 3S	07.04.2008	Schneider Electric Prefix update
V0.22	Alexandra Müller, 3S	25.04.2008	Real Time Clock added to List of registered LibraryIds
V0.33	Wolfgang Doll, 3S	09.05.2008	Supplement FD_, SE_ (ELAU AG, Schneider Electric)
V0.34	Alexandra Müller, 3S	20.06.2008	DTUtil added to List of registered LibraryIds