+ AttributeDescription The model supports conformance classes: BCC1, BCC2, ECC1, ECC2, CCCA, CCCB. (internal comms only) The AUTOSAR only Objects, Attributes and References are shown using red + OSModelElement $\triangle \triangle \ \triangle \ \triangle$ + UINT32 + ScheduleTable OFFSET : UINT64 [0..1] + cou 1... - RESOURCEPROPERTY : ResourceKind LECTRATIS LUNIDA

LOCAL_TO_GLOBAL_TIME_SYNCHRONIZATION: boolean = FALSE

SYNC_STRATEGY: SyncotizetegyKind [0..1] = HARD

MAX_INCREASE: LUNT04 [0..1]

MAX_DECREASE: LUNT04 [0..1] + Nm + Cpu -com : Com [0..1]
-os : Os [0..1]
-mn : Nm [0..1]
-tanks : Task [0..*]
-tasks : Task [0..*]
-tasks : Task [0..*]
-vecources : Pessource [0..*]
-vecources : Pessource [0..*] + LockingTime + Runnable + restartingApplications 0..* + scheduleTable 1..1 alarms : Alarm [0..*] counters : Counter [0..*] - messages : Message [0..*] + AppMode TIMELIMIT : UINT64 [0..1] STACKSIZE : long = 0 A single Cpu is the root of a configuration model. + Task - CATEGORY - HINT32 - SCHEDULE : ScheduleKind COUNTLIMIT: UINT32 [0..1]
 PRIORITY: UINT32
 VECTOR: String
 DISABLE_STACKMONITORING: box - ACTIVATION : UINT32 - AUTOSTART : boolean - ALARMTIME : UINT32 [0..1] - CYCLETIME : UINT32 [0..1] + restartedTask 0..1 (copy) STARTUPHOOK : boolean ERRORHOOK : boolean SHUTDOWNHOOK : boolean CATEGORY_LIMITED L PRETASKHOOK : boolean POSTTASKHOOK : boolean USEGETSERVICEID : boolean USEPARAMETERACCESS : boolean + Counter USERESSCHEDULER : boolean = true ZERO length support is an extension, not normally supported in CCCA/CCCB. - TICKSPERBASE : UINT32 - MINCYCLE : UINT32 STACKMONITORING : boolean PRETASKHOOK_STACKSIZE : long STREAM support is not present in OSEK/AUTOSAR DEVICENAME : String POSTTASKHOOK STACKSIZE : long DEVICEOPTIONS : String RESTARTABLE : boolean HANDLE_OSCFAILURE : boolean HANDLE_ADDRERROR : boolean HANDLE_MATHERROR : boolean MESSAGEPHOPERTY: Messagerund

CDATATYPE: String [0..1]

INITIAL/NALUE: UNIT64 [0..1] = 0

QUEUESIZE: UNIT32 [0..1]

NOTIFICATIONPROPERTY: NotificationKind = NONE + ScheduleTableAction CALLBACKROUTINENAME : String [0..1] + sets << + Event - MASK : UINT64 BUFFERSIZE : UINT32 [0... HIGH_THRESHOLD : UINT32 [0..1]

LOW_THRESHOLD : UINT32 [0..1]

LOW_NOTIFICATIONPROPERTY = NONE

LOW_CALLBACKROUTINENAME : String [0..1] + sets << May be set to AUTO indicating that the code Generator must assign an appropriate MASK value. LOW_FLAGNAME : String [0..1] COMSTATUS : ComStatusKind = COMSTANDARD NOTE: not all new AUTOSAR attributes have defaults, therefore OSEK OIL files will not be accepted by AUTOSAR config. files. QUEUESIZE_NONE_ZERO + CounterTypeKind COMUSEPARAMETERACCESS : boolean = false COMSTARTCOMEXTENSION : boolean = false BUFFERSIZE_NONE_ZERO N COMAPPMODE : String [0..*] (ordered; unique) QUEUESIZE>0 BUFFERSIZE>0 + CounterUnitKind

SETEVENT ACTIONCALLBACK

INCREMENTCOUNTER

+ LockingTimeKind