Coder 5.03-0 Release Notes

DATE:

Sept 15th, 2010

BACKGROUND:

Version 5.03-0 is a new release of the Coder/Opsys

WARNING: To use this version of GAP/Coder, you must use GAP 2.18C or higher.

WARNING: To use this version of GAP/Coder, GAP 3.02 is recommended.

WARNING: To use this version of GAP/Coder, you must use SOS 4.0 or higher.

WARNING: To use this version of GAP/Coder, you must use Control Assistant 4.1 or higher.

WARNING: To use this version of GAP/Coder, you must use AppManager 3.0 or higher.

WARNING: To use this version of GAP/Coder, you must use Toolkit 3.5 update 1 or higher.

NEW FEATURES:

Cyber Secure MicroNet CPU CPU_MC5200.

High Density MicroNet Discrete Module HDDIO.

Can Open IC1100 Support – CO_IC1100

AI_EGO Support.

Support EST13-16 to have same outputs as EST1-12.

Event Status block to support the Event Manager.

Integer to Timer Block I_TO_T.

DM23 message Support - DM23_MSG.

DM27 message Support - DM27_MSG.

DM28 message Support - DM28_MSG.

DM29 message Support - DM29_MSG.

Generic Can Read message CAN_MSG_RD.

Real Time Output(Seconds) on the PCMHD.

Decreased necessary FLASH useage on the PCMHD.

ISSUES:

The following Product Issue Database ("PID") issues and requests were addressed in 5.03-0:

Issue #	Description	Solution
3203, 3243	RAM optimization with A_2_RM, A_3_RM, and LATCH_AE	Modified exclusion lists.
14127	Intermittent Open and Short Faults on AO_PWM	Modified detection code and update PID for Information.
15025	Added NAME input to TM_SPEED on	

	EFI_CORE	
15067	Invalid Ignition Trigger and Reset pulse on IC1100SPRK	The TPU code for FuelSpark was modified.
15114	On power up the reset and spark lines can pulse high for about 60ms.	Moved est init code to happen earlier in the init process.
15153	Long names cause the compiler to crash when compiling for ETAS.	Increased name size
15168	LinkNet NODE_FLT fault output goes TRUE during reset	Set the "one-shot" latch.
15182	If you have more than one j1939_NTW block in an application, resetting one network block will cause other networks to lose their claimed node-ids.	J1939 stack was changed so that only the network that is issued the reset is reset.
15190	HDDIO output fields	TMR system was implemented to update.
15191	DM7_30 MSG was not correctly ready DM_7 part.	Modified Can read code.
15203	An issue was discovered reading in CAL_CURVE limits.	Modified Read in code to ignore table order.
15222	An issue was discovered in the J1939PgnRxTable_t default size.	Changed min table size to 1
15354	EVENT_MGR MIL_STAT output is not always saved.	Check MIL to determine if update is needed.
15399	PCMHD Censorship setting causes a machine check exception	Moved Censorship setting to safe condition.
15346	PCMHD Tach output	Modified 50% Duty Cycle
14961, 14962	NetSim Compile Issues	Modified Coder and NetSim Support
14695, 14704, 14943, 15042, 15057, 15128, 15159, 15195, 15207, 15248,	Gap Block Help Issues	Modified 5.03 Block Help

UNSUPPORTED BLOCKS:

The following is a list of blocks which are available in the Template and GAP Editor, but are not supported in the 5.03-0 release version of the coder (compiler):

- I_TO_NAN
- J1939_TJET
- PC104_ATL
- RATIO_LIM2
- TEMP_HIST

- Tunable inputs for the SYNC_INJ block are only available to Woodward developers in this version

PART NUMBERS:

Version 5.03-0
Gap/Coder Part Number: 9927-1846
Master Kit: 9927-1333, 8928-1088, 1796-1068