Classification	ISaGRAF English FAQ-144						
Author	Chun Tsai	Version	1.1	Date	Aug.2011	Page	1 / 2

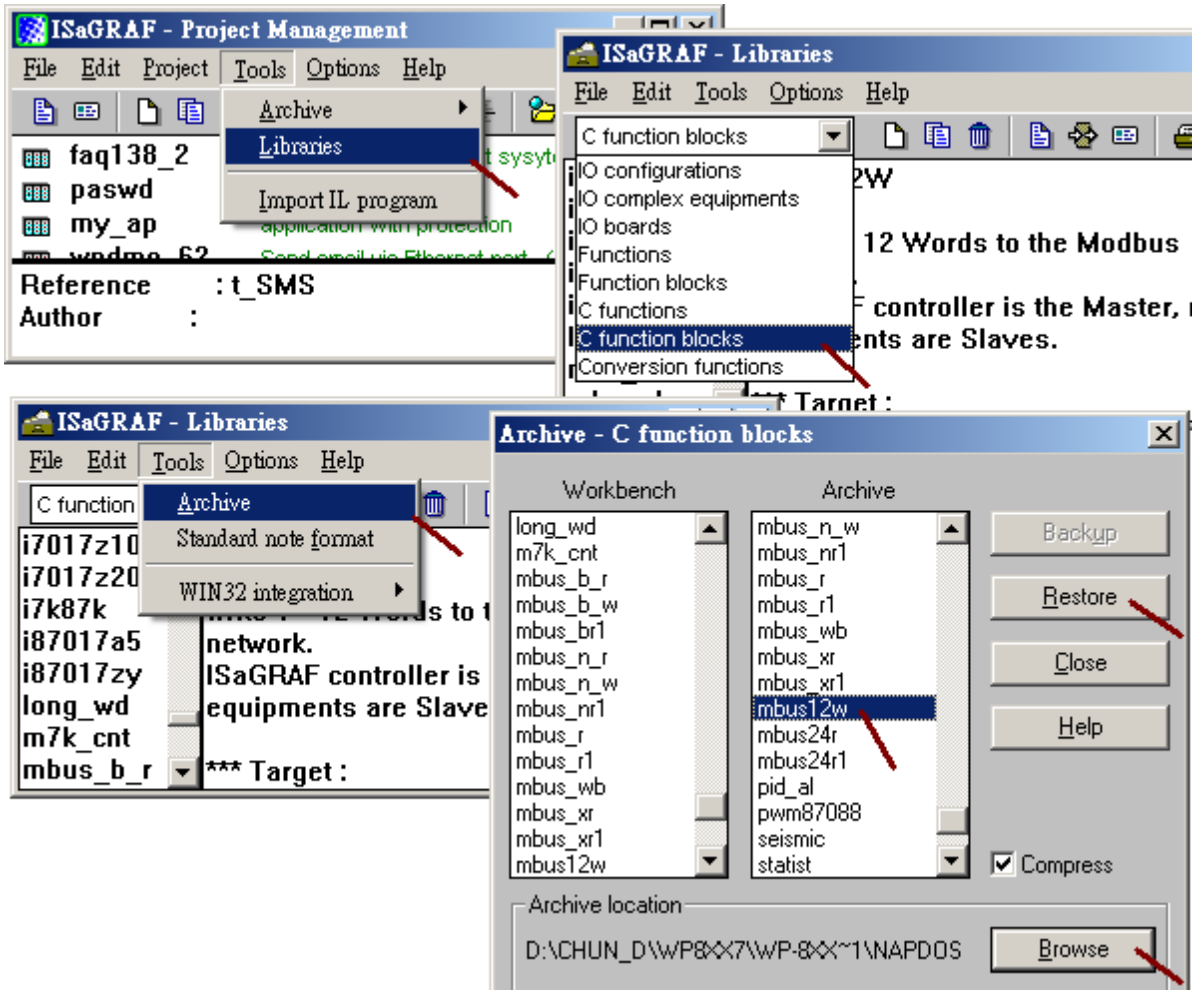
A new function block “Mbus12w” to write max. 12 words to Modbus salve devices.

The following ISaGRAF driver of PAC support the “Mbus12w” function block to write max. 12 words to Modbus RTU / ASCII / TCP slave devices.

WP-8xx7: Ver 1.37 or later **VP-25W7/23W7**: Ver 1.29 or later **XP-8xx7-CE6**: Ver 1.17 or later
uPAC-7186EG: Ver 1.14 or later **iPAC-8x47**: Ver 1.10 or later **I-7188EG** : Ver 3.15 or later
I-7188XG : Ver 3.14 or later **I-8xx7/8xx7-80**: Ver 4.15 or later **VP-2117:** Ver 1.02 or later

Please visit
http://www.icpdas.com/en/download/show.php?num=333&nation=US&kind1=&model=&kw=isagraf to get a new ISaGRAF dirver and update the driver of your PAC if it is older than the above listed version.

Then restore the “Mbus12w” function block to your PC / ISaGRAF as the following figure . The “mbus12w.fia” can be download form the https://www.icpdas.com/en/faq/index.php?kind=280#751 > 144 (inside the “faq144_demo.zip” or “faq144_demo_chinese.zip”).



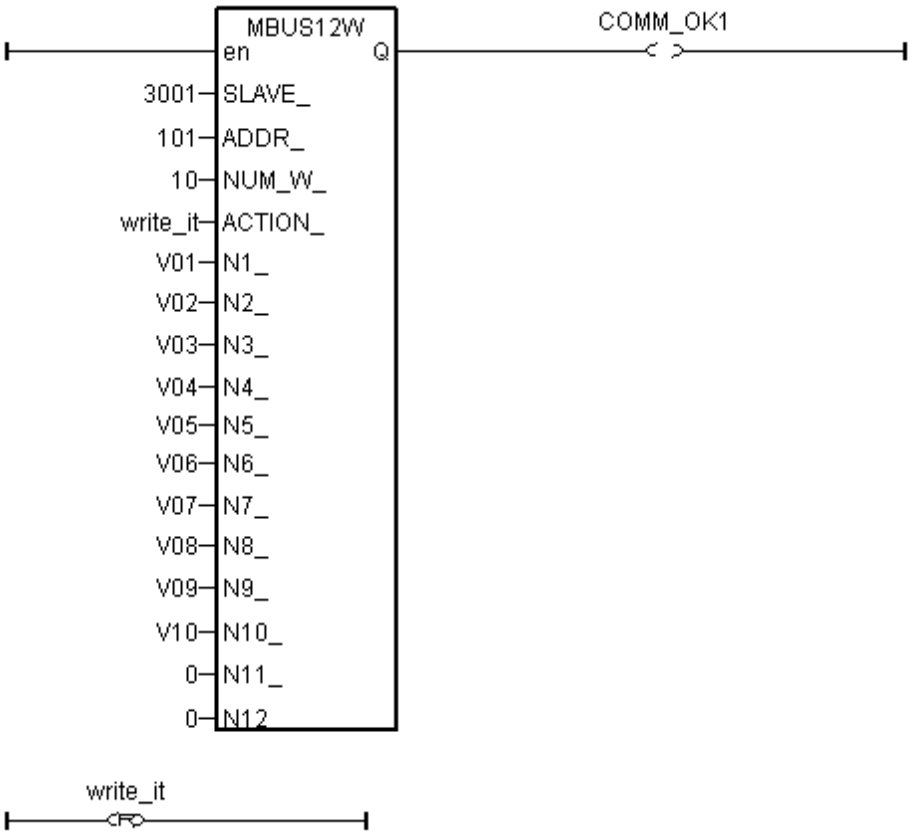
Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

To program the “Mbus12w” is very similar as the “Mbus_n_w” . User may refer to the chpater 8 of the “ISaGRAF User's manual” for more information.
http://www.icpdas.com/en/download/show.php?num=333&nation=US&kind1=&model=&kw=isagraf

There are some useful skill to use other Modbus function blocks, please refer to the https://www.icpdas.com/en/faq/index.php?kind=280#751 > FAQ-046, 047, 049, 050, 075, 096, 101 and 113 .

The below program will write 10 words to the data address 101 to 110 of the Modbus slave with NET-ID = 1 once via COM3 when “Write_it” set as TRUE. It will write only once every time when the “Write_it” set as TRUE (because the “Write_it” is reset as False after the “Mbus12w” block in the following example) .

Note:
1. The SLAVE_ , ADDR_ , NUM_W_ should be a constant. They can not be a variable value.
2. Set un-used N1_ to N12_ as 0.
3. If NUM_W_ is 1 , the “mbus12w” uses Modbus function code 6 to write 1 word.
4. If NUM_W_ is 2 to 12 , the “mbus12w” uses Modbus function code 16 to write 2 to 12 words.
5. If NUM_W_ is -1 (negative 1) , the “mbus12w” uses Modbus function code 16 to write 1 word.



Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000