BACnet/IP Gateways



FAQ for GW-5492 and GW-5493

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1. How to manipulate GW-549x via ICDT BACnet Pioneer?

ICDT BACnet Pioneer is a free BACnet software and developed by ICDT Tech. Co. Ltd. The following example is how to switch on the DO[0] and read DI[0] back on the ICPDAS M-7055D, a Modbus/RTU Slave, connected to GW-5492 via ICDT BACnet Pioneer, and you can test GW-5493 in the similar way.

(1) Install the ICDT BACnet Pioneer <u>http://www.icdt.com.tw/main/index.php/2013-07-09-05-16-50/2013-07-18-14-43-35/file</u> <u>/24-bacnetpioneerv1001</u>

Refer to the ICDT website for the details: <u>http://www.icdt.com.tw</u>

- (2) M-7055D Setup as follows, DO.PWR wire to *Power Supply +24VDC*, GND to *Power Supply Ground*, and DO0 to DI0. Power up M-7055D and GW-5492 which LAN1 connects to the internet.
- (3) GW-5492 is configured that *BOO* is mapping to DO0 of M-7055D and *BIO* is mapping to DI0 of M-7055D

M-7055D	ID M-7055	iD Inication —— Idress	T I	rpe TCP	M1	Unit							
	Point -		Add]									
	ID	Address	Count	Туре	Type Define	Sampling(ms)	TimeOut(ms)	ScaleFactor	Intercept	Low	Hi	Read/Write	Del
	DIO	0	1	DISCRETE INPUT	BIT	1000	7000	1	0			Read	Del
	DOO	0	1	COIL	BIT	1000	7000	1	0			Write	Del
				<u> </u>					-				

MultiStateOutput	Mapping									
MultiStateInput	Object Type BinaryInput Save									
−MultiStateValue										
AnalogValue	BACnet Object Ma	pping								
AnalogOutput	Object Identifier	Device	Point	Index	Object Name	COV Increment	COVPeriod(sec)	Unit	Relinquish De	
- AnalogInput	BIO	M-7055D	DIO	0	B10	0	0	NO UNITS	0	
BinaryOutput		-				-		-		
BinaryValue										
,										
MultiStateOutput	Mapping —				2					
MultiStateInput	Object Type Binary	/Output		Save						
−MultiStateValue										
AnalogValue	BACnet Object Ma	pping								
AnalogOutput	Object Identifier	Device	Point	Index	Object Name	COV Increment	COVPeriod(sec)	Unit	Relinquish De	
AnalogInput	BOO	M-7055D	DOO	0	BOO	0	0	NO UNITS	0	
BinaryInput										
BinaryOutput										
⊡-BinaryValue										

Refer to the websites for details:

GW-549x:

http://www.icpdas.com/root/product/solutions/industrial_communication/fieldbus/ bacnet_ip/gateway/gw-5492.html

ftp://ftp.icpdas.com.tw/pub/cd/fieldbus_cd/bacnet/gateway/gw-5493/manual

M-7055D:

http://www.icpdas.com/root/product/solutions/remote_io/rs-485/i-7000_m-7000/i-7055.html

http://ftp.icpdas.com/pub/cd/8000cd/napdos/7000/manual/7000dio.pdf

(4) Execute Recent to get the Device ID/Instance of your computer and GW-5492 (default 3577). Choose **3577**,

X BACnet Pioneer	
Found 2 devices !	

(5) Click on *Device 3577(.....)*, and it will scan the objects of GW-5492.



(6) Click on BINARY OUTPUT→0, and it will scan the properties and values of BO0. Notice Out Of Service is False.

💥 BACnet Pioneer 📃 🗖 🔁	<
🔎 3577 💽 🕨 🔚 🍪 🛃 🕕	
 Device 3577(192.168.255.1) DEVICE 3577 BINARY INPUT 0 BINARY OUTPUT 0 Active Text : BOOActive Text Description : BINARYOUTPUT Event State : Normal Inactive Text : BOOInactive Text Object Identifier : BINARY OUTPUT Object Identifier : BINARY OUTPUT Object Type : Binary Output Out Of Service : False Polarity : Normal Present Value : Active Priority Array : 16 Reliability : No Fault Detected Relinquish Default : Inactive Status Flags : In Alarm=False Fault=False Overridden=False Out Of Service=False 	
BINARY OUTPUT-O Present Value : Active	.::

(7) Double Click on the item *Present Value*, and set BO0 to *Active*.

BACnet Pioneer	
j 🔎 3577 🔄 🏲 🔜 🏟 🛃 🕕	
Device 3577(192.168.255.1)	
🖨 ··· 🔹 DEVICE	
BINARY INPUT	
····· • 0	
BINARY OUTPUT	
Active Text : BOOActive Text	
 Description : BINAR YOU IPU I Event State : Nermal 	
 Event state : Normal Insettine Text : DOUlsectine Text 	
Object Identifier : BIMARY OUTPUT 0	
Object Name : ANALOGOIITPIIT	
 Object Type : Binary Output 	
Out Of Service : False	
 Polarity : Normal 	
Present Value : Active	
Priority Array : 16	
Reliability : No Fault Detected	
🚥 💿 Relinquish Default : Inactive	
📖 💿 Status Flags : In Alarm=False Fault=False Overridden=False Out Of Service=Fa	dse
BINARY OUTPUT-O Present Value : Active	

- (8) Click on **BINARY INPUT** \rightarrow **0** \rightarrow **Present Value**, and check the status of BIO is **Active**.
 - Notice *Out Of Service* is *False*
 - In the ICDT Pioneer, the data will be updated while you click and stay on the item.

💥 BACnet Pioneer	×
i 🔎 3577 🛛 🗸 խ 🔚 🍈 🛃 🚺	
Device 3577(192.168.255.1)	_
BINARY INPUT	
 Active Text : BIOActiveText 	
Description : BINARYINPUT	
Event State : Normal	
Inactive Text : BIOInactiveText	
Object Identifier : BINARY INPUT 0	
Object Name : BIO	
Object Type : Binary Input	
Out Of Service : False	
💿 Polarity : Normal	
Present Value : Active	
Reliability : No Fault Detected	
Status Flags : In Alarm=False Fault=False Overridden=False Out Of Service=False	
🖮 🔹 BINARY OUTPUT	
<u>i</u>	
💿 Active Text : BO0ActiveText	
💿 Description : BINARYOUTPUT	
💿 Event State : Normal	
🛶 💿 Inactive Text : BO0InactiveText	
🚥 💿 Object Identifier : BINARY OUTPUT 0	
💿 Object Name : BINARYOUTPUT	
🛶 💿 Object Type : Binary Output	
💿 Out Of Service : False	
💿 Polarity : Normal	
💿 Present Value : Active	
💿 Priority Array : 16	
💿 Reliability : No Fault Detected.	
🔍 Relinquish Default : Active	
Status Flags : In Alarm=False Fault=False Overridden=False Out Of Service=False	
BINARY INPUT-O Present Value : Active	

2. How to manipulate GW-549x via BACnet VTS?

This part is The following example is how to switch on the DO[0] and read DI[0] back on ICPDAS M-7055D, a Modbus/RTU Slave, connected to GW-5492 via Visual Test Shell (VTS), and you can test GW-5493 with Modbus/TCP Slave in the similar way.

(1) Get Visual Test Shell (VTS). Refer to the websites,

http://vts.sourceforge.net/ or http://sourceforge.net/projects/vts

- (2) M-7055D Setup as follows, DO.PWR wire to *Power Supply +24VDC*, GND to *Power Supply Ground*, and DO0 to DI0. Power up M-7055D and GW-5492 which LAN1 connects to the internet.
- (3) GW-5492 is configured that *BOO* is mapping to DO0 of M-7055D and *BIO* is mapping to DI0 of M-7055D

- Devices M-7055D	Modbus – ID M-7055	D nication —	T	уре ТСР									
	TCP Address Port COM1 Unit												
	Point-		Add]									
	ID	Address	Count	Туре	Type Define	Sampling(ms)	TimeOut(ms)	ScaleFactor	Intercept	Low	Hi	Read/Write	Del
	DIO	0	1	DISCRETE INPUT	BIT	1000	7000	1	0			Read	Del
	DOD	0	1	COIL	BIT	1000	7000	1	0			Write	Del
	4												
	Save	Delete											

MultiStateOutput	Mapping —									
MultiStateInput	Object Type Binary	Object Type BinaryInput Save								
−MultiStateValue										
−AnalogValue	BACnet Object Map	oping								
AnalogOutput	Object Identifier	Device	Point	Index	Object Name	COV Increment	COVPeriod(sec)	Unit	Relinguish De	
AnalogInput	BIO	M-7055D	DIO	0	BIO	0	0	NO UNITS	0	
BinaryInput				_		_	_			
BinaryOutput										
I ^I Binary∨alue										
MultiStateOutput	Mapping									
MultiStateInput	Object Tune Pineru	Outout		Save]					
MultiStateValue	Object Type Dinary	Output			J					
AnalogValue	BACnet Object Map	oping								
AnalogOutput	Object Identifier	Dovice	Point	Index	Object Name	COV/Increment	COV/Bariad(app)	Linit	Bolinguigh Do	
Analoginput		Device	Point	muex	Object Name	COV Increment	COVPeriod(sec)		Relinquish De	
BinaryInput	BOU	M-7055D	DOU	U	800	U	U	NU UNITS	U	
BinaryOutput										
BinaryValue										

Refer to the websites for details:

GW-549x:

http://www.icpdas.com/root/product/solutions/industrial_communication/fieldbus/ bacnet_ip/gateway/gw-5492.html

ftp://ftp.icpdas.com.tw/pub/cd/fieldbus_cd/bacnet/gateway/gw-5493/manual

M-7055D:

http://www.icpdas.com/root/product/solutions/remote_io/rs-485/i-7000_m-7000/i-7055.html

http://ftp.icpdas.com/pub/cd/8000cd/napdos/7000/manual/7000dio.pdf

(4) Execute visual for BACnet . If you've configured the Devices, Ports and Names in VTS, you

can jump to step(8).

(5) Click on Edit(Devices..., set the Name to MyDevice, Instance to 1111, and push OK.

(6)Click on *Edit*→*Ports...*, push *New* button and configure as follows,

- Name set to *MyPort*. Check on *Enable*
- Network set to **1**. Choose *MyDevice*
- On *IP* Page, *Interface* choose one network device which can communicate with GW-5492
- Push **OK** or **Apply** to continue

😽 VIS - [vts3.cfg]		
<u>File Edit View S</u> end E <u>P</u> ICS <u>T</u> ests	Help	
🗋 🗋 Delete All Packets Ctrl+D	2 🖾 🖻 📰 🦹 🦹	
Refresh 7	- A -	
No. Devices	Destination SNET SADDR DNET DADDR Service Type	
Por <u>t</u> s		
Names		
Change Logfile		
Display Filter		
Preferences	Port Configuration	
	Name Type Config Status New	
	⊘MyPort IP 0xBAC0;Realte New	
	Delete	
	ОК	
	Canad	
	Name: MyPort 🔽 Enable Apply	
	Network: 1 MyDevice	
	Null IP Ethernet ARCNET MSTP PTP	
	Interface Realtek RTL8168C(P)/8111C(P) PCI-E Gigabit Ethernet NIC - Packs	
	UDB Route DyBACO Usually 0xBAC0 (47808)	
	0 = dynamically assigned	
	C BTR (Anney-H) BTR Peers	
	C BBMD (Annex-J) BBMD Peers	
	C Foreign Device (Annex-J)	
	Host: Time-to-live:	
	x.x.x.x[/mask][:port	
Edit the port definitions including activations	and departmenting pourte	
Four me bour detaugous meronants acgivagus a	NUM	

(7) Click *Edit* → *Names...*, Push *New* button and the configuration as follows,

- Address Type choose *Local Station*
- Name is **GW-5492**
- Port choose *MyPort*
- Address set the IP of GW-5492: 192.168.255.1:47808 (GW-5492's default setting)
- Push **OK** and continue

Notice: TD is for your computer, and do not remove it.

VIS - [vts3.cfg]		
<u>File Edit V</u> iew Send EPICS <u>T</u> est	is <u>H</u> elp	
Delete All Packets Ctrl+D	🔊 🖂 🖻 🕄 🧣 🛃	
Refresh	P (P (I)	
No. Devices	Destination SNET SADDR DNET DADDR Service Type	
Ports		
Names		
Capture Filter		
Display <u>Filter</u>		
Preferences		
	News	
	Name Port Network Address Ne <u>w</u>	
	TD MyPort 192.168.20.20:47808	
	010-0432 MyPort 152,166,250,147606	
	Import	
	Europt	
	OK	
	Address Type	
	C Null	_
	C Local Broadcast Port MyPort	
	Local Station Network	
	C Remote Station Address 192.168.255.1;47808	
	C Global Broadcast Hex (C0-A8-00-01-BA-C0)	
	or IP:port (192.168.0.1:47808)	
<		>
Edit the address to name mapping	NU	M

(8) Click on Send \rightarrow Object Access \rightarrow WriteProperty, and WriteProperty window shows up.

😵 V IS - [vts3.cf	tg]		
<u>File E</u> dit <u>V</u> iew	<u>Send</u> E <u>P</u> ICS <u>T</u> ests <u>H</u> elp		
0 🖻 🗑 🎒	<u>N</u> ew Packet	📰 💡 🛃	
	Send <u>Ag</u> ain		
No. TimeStam	✔ MyPort (IP)	tion SNET SADDR DNET	DADDR
	IP +		
	BALT		
	Network 🕨		
	Alarm and Event		
	File Access		
	Object Access 🔹 🕨	AddListElement	
	Remote Device Management 🔸	ChangeList-Error	
	Virtual Terminal 🕨 🕨	CreateObject	
	Simple/Segment ACK 📃 🕨	CreateObject-ACK	
	Errors •	CreateObject-Error	
		DeleteObject	
		ReadProperty	
		ReadProperty-ACK	
		ReadPropertyMultiple	
		ReadPropertyMultiple-ACK	
		ReadRange	
		RemoveListElement	
		WriteProperty	
		WritePropertyMultiple	
		WritePropertyMultiple-Error	

(9) WriteProperty →*IP* Page : Destination chooses *GW-5492*

WriteProperty	
[IP] BVLCI NPCI Confirmed-Request WriteProperty	MyPort •
Destination GW-5492 • 192.168.255.1:47808	IP BVLL Network Alarm and Event File Access Object Access AdListElement CreateObject CreateObject-Error DeleteObject ReadProperty ReadProperty ReadPropertyMultiple ReadRange RemoveListElement WritePropertyMultiple WritePropertyMultiple WritePropertyMultiple
Object ID required	▼ Send
	<u>C</u> lose Send & Close

(10)WriteProperty → WriteProperty Page, set binary-output, 0, present-value,

WriteProperty	
IP BVLCI NPCI Confirmed-Request WriteProperty	MyPort
Object ID binary-output, 0 ID Property present-value Array Value Any Priority	IP BVLL Network Alarm and Event File Access Object Access AddListElement ChangeListError CreateObject CreateObject-ACK DeleteObject ReadProperty-ACK ReadPropertyMultiple ReadPropertyMultiple WriteProperty WritePropertyMultiple WritePropertyMultiple WritePropertyMultiple
C0A8FF01 BAC0810A 00150104 0003410F 0C010000 0019553E 91013F	History:0 Send
	<u>C</u> lose Send & Close

BinaryPV(active), and push Send & Close button. The steps are described as follows,

• Object ID: Push *ID...* button, and choose *binary-output*, and instance is *0* while BO*0*.

1	Object ID	×
	An object identifi an instance num	er is made of two components: an object type and ber.
	Object Type	binary-output
	Reserved Type	4 Reserved types range 0127
	Vendor Type	Vendor Types range 1281023
	Instance	0 Instance range 04194303
	Here is how the	value can be entered directly:
		binary-output, 0
		OK

- Property choose *Present-Value*
- Value: Push Any... button, and a window shows up. Choose BinaryPV and push Set... and set active.

ABSTRACT-SYNTAX.&Type	
Type Context Data BinaryPV 9101 Add Remove	BACnet BinaryPY BinaryPV active
OK Cancel	

Push Send & Close button, and VTS will show the transmit packets and receive the GW-5492 feedback one.

8 y 1	S - [vts3.cfg]									
File E	dit <u>V</u> iew <u>S</u> em	I E <u>P</u> ICS	<u>T</u> ests <u>H</u> elp							
	ê 🔛 🎒 🗡	្ល 🌾	۵ 🗟 🖈	🖻 🗐 🦹						-
E 🗉	; 🐹 🕮 🗉) II II	₹} {} {} {}							
No.	TimeStamp	Port	Source	Destination	SNET	SADDR	DNET	DADDR	Service Type	
→ 0	15:55:45.359	MyPort	TD	GW-5492					WriteProperty, ID=73 binary-output_0, present-value, active (1)	
←1	15:55:45.359	MyPort	GW-5492	TD					Simple ACK, ID=73, WriteProperty ACK	
Readv										NUM

Get DIO status (Active)

(11) Click Send \rightarrow Object Access \rightarrow ReadProperty, and ReadProperty window will show up.

) 🚅 🔛 성	😼 <u>N</u> ew Packet	2 ?						•
D 💵 🌉	Send <u>Ag</u> ain	_						
Io. TimeSta	m ✔ MyPort (IP)	stination	SNET	SADDR	DNET	DADDR	Service Type	
♦0 15:55:4	5. IP	1-5492					WriteProperty, ID=73 binary-output_0, present-value, active (1)	
► 1 15:55:4	5. BVLL						Simple ACK, ID=73, WriteProperty ACK	
	Network							
	Alarm and Event	·						
	File Access							
	Object Access	AddLis	tElement					
	Remote Device Management	Change	List-Erro	r				
	Virtual Terminal	Create	Object					
	Simple/Segment ACK	Create)bject-AC	K				
	Errors	Create)bject-Err	or				
		DeleteC)bject					
		ReadPr	operty	777				
		PoodPr	operty-At	_A_ Itinla				
		PeadPr	opertyMu	uupie iltinle- û CK				
		ReadRe	moe	aupio mon				
		Remov	eListElem	ent				
		WriteP	onerty					
		WriteP	onertyMi	ıltinle				
			.oponym.	aupto				

(12) ReadProperty $\rightarrow IP$ Page: Destination chooses *GW-5492*

ReadProperty	
IP BVLCI NPCI Confirmed-Request ReadProperty	MyPort 🔹
<u>D</u> estination	IP BVLL Network Alarm and Event File Access Object Access AddListElement CreateObject CreateObject-ACK CreateObject-ACK CreateObject-Error DeleteObject ReadProperty-ACK ReadPropertyMultiple ReadPropertyMultiple-ACK ReadRange RemoveListElement WritePropertyMultiple WritePropertyMultiple
Object ID required	▼ Send
	Close Send & Close

(13) ReadProperty→*ReadProperty* Page, set *binary-input, 0, present-value*, and push *Send* &

ReadProperty		
IP BVLCI NPCI Confirmed-Request ReadProperty	MyPort	•
Object ID binary-input, 0 ID Property present-value Array	IP BVLL Network Alarm and Event File Access AddListElement CreateObject Access CreateObject ACK CreateObject Error CreateObject Error EreadPropertyACI ReadPropertyACI ReadPropertyMult ReadPropertyMult ReadPropertyMult ReadPropertyMult ReadPropertyMult ReadPropertyMult ReadPropertyMult ReadPropertyMult ReadPropertyMult ReadPropertyMult ReadPropertyMult ReadPropertyMult ReadPropertyMult ReadPropertyMult ReadPropertyMult MritePropertyMult WritePropertyMult MritePropertyMult ReadProper	r t iple iple-ACK nt tiple tiple-Error
C0A8FF01 BAC0810A 00110104 0003430C 0C00C000		Send
	<u>C</u> lose So	end & Close

Close button. The steps are described as follows,

• Object ID: Push *ID...* button and choose *binary-input*, and instance is *0* while BO*0*.

Object ID	×
An object identif an instance num	ier is made of two components: an object type and ber.
Object Type	analog-input 🗨
Reserved Type	0 Reserved types range 0127
Vendor Type	Vendor Types range 1281023
Instance	0 Instance range 04194303
Here is how the	value can be entered directly:
	analog-input, 0

- Property: choose *Present-Value*
- Push *Send & Close* button, and VTS transmits packet and you can confirm that GW-5492's DI0 is *Active*.

3 8 v	TS - [vts3.cfg]									
File	<u>E</u> dit <u>V</u> iew <u>S</u> en	d E <u>P</u> ICS	<u>T</u> ests <u>H</u> elp							
	🖻 🗑 🎒 🗡	(🗸 🌾	ی 🚯 🚸	🖻 🔲 💡						•
Ē	💵 🐹 🞬 🗉) e s	₹} {} {}	0						
No.	TimeStamp	Port	Source	Destination	SNET	SADDR	DNET	DADDR	Service Type	
→ 0	15:55:45.359	MyPort	TD	G₩-5492					WriteProperty, ID=73 binary-output_0, present-value, active (1)	
← 1	15:55:45.359	MyPort	GW-5492	TD					Simple ACK, ID=73, WriteProperty ACK	
$\rightarrow 2$	16:01:11.890	MyPort	TD	GW-5492					ReadProperty, ID=74 binary-input_0, present-value	
← 3	16:01:11.890	MyPort	GW-5492	TD					ReadProperty-ACK, ID=74, binary-input_0, present-value, active (1)	
Ready	,								N	ЛМ ///

3. How to reset the login account and password of the GW-5492 and

GW-5493?(2023/02/11, Johney)

Please try to follow the steps below:

- (1) Set rotary switch as 8
- (2) Connect COM3 TxD and RxD together
- (3) Reset your device
- (4) After 3 minutes, it will restore as factory default setting.
- (5) Please turn rotary switch as 0 and power on again.

4. What is the reason why I turn BACnet button start and it will come to

stop state of the GW-5492?(2023/04/15, Johney)

The GW-5492 and GW-5493 do not supprt BACnet "MultiStateValue" object. If you use the objects in your configuration, it will make bacnet state come "start" state to "stop" state. Please use BACnet object "AV" or "AI" or "AO" instead.

MultiStateOutput	Mapping —								
MultiStateInput	Object Type			Sa	ave				
MultiStateValue									
AnalogValue	BACnet Object Map	ping							
AnalogOutput	Object Identifier	Device	Point	Index	Object Name	COV Increment	COVPeriod(sec)	Unit	Relinguish Default
AnalogInput	Ne records found	201100		macht	objectitalite	001 100000	001101100(000)	0.111	rteiniquien b endant
BinaryInput	No records lourid.								
BinaryOutput									
BinaryValue									
	•								► F
	+ -								
	Modbus Points								

slove that?(2023/05/22, Johney)

The Yabe software will send "Who-Is" request to search the BACnet devices. Because the GW-5492 and GW-5493 will not reply to the "Who-is" request, the Yabe software can not find them. The user can use VTS or Baceye software instead. These two softwares can be configured with the target IP of theBACnet device. These softwares will communicate with the BACnet device directly.

Here shows the VTS software.



Here shows the Baceye software

BE	BACeye. Pro	fessional	device control	2.2.0.9 - MBS GmbH - 1	EST										-	٥	×
File Netwo	Edit Da All netw	itatransfer orks >> I	Window Vi Device 3577	iew Diagnosis Help	Devices	_	2 Devices found	7 2	Device 35 BACnet ID	77 Dati	a loaded 17. 17	05.2023 13:05:26	2	Description		i das g) W-5492
rk No	Network 0	InstNo. 0	Device Name BACeye	Description BACeye MBS GmbH			2 Serves Journa		Device Na BACnet M	ime: GW IAC: CO	/-5492 A8FF01BA	CO => 192.168	.255.1:47808	Manufactu	rer: ICP	DAS C	o., Ltd.
tes P	0	3577	GW-5492	ICP DAS GW-5492				Т	Objects Search:					Filter			
roper								- 1	! 4×8	Obj. Ty	pe Inst1	Nc Present Val	lue	Object Name			
Ē								- 1		DEV	3577 0	17948.00	(W-5492			
								- 1		AI	1	15360.00					
								- 1		AI	3	22066.00					
								- 1		AI	4 5	0.00					
								- 1	3	AI	6 7	0.00					
								- 1		AI	8	17239.00					
								- 1		AI	10	0.00					
								- 1		AI	11 12	0.00					
								- 1		AI	13	0.00					
								- 1		AI	15	0.00					
								- 1		AI	17	0.00					
								-1		AI	18 19	0.00					
													Activate	Windows			
	Clear]						2	<				Go to Settin	gs to activate	Windo	ows.	>

6. The GW-5492 and GW-5493 have problem with that one modbus

register maps two BACnet objects. How to solve that?(2023/06/19,

Johney)

The GW-5492 and GW-5493 do not support duplicate mapping modbus register. One modbus register mapped to two or more BACnet object is illegal. That one modbus register will be confused when multiple BACnet objects write back regularly.

vstem Modbus BACnet	Modbus/BACnet	Mapping							
- MultiStateOutput - MultiStateInput - MultiStateValue - AnalogValue	Mapping Object Type AnalogInput BACnet Object Mapping								
AnalogOutput	Object Identifier	Device	Point	Index	Object Name	COV Increment	COVPeriod(sec)	Unit	Relinquish De
BinaryInput BinaryOutput BinaryValue	Al10	MOO2	A02	0	AI10	0	0		0
	AI11	MOO2	A02	1	Al11	0	0	NO UNITS	0
	Al12	MOO2	A02	2	AI12	0	0	NO UNITS	0
	AI13	MOO2	A02	3	AI13	0	0	NO UNITS	0
	Modbus Points	Index	Address	Write	MappedTy	/pe			
	MOO2 A00	0	0	FALSE	E ANALOGIN	PUT			
	MOO2 A00	1	0	FALSE	E ANALOGIN	PUT			
	MOO2 A00	2	0	FALSE	E ANALOGIN	PUT			
				- Include the					