

BACnet Browser

Commissioning Extensions

Custom Dialogs

XML Import of Device Specific Dialogs

SIEMENS

The screenshot illustrates the process of importing custom device-specific dialogs into the Siemens BACnet Browser. On the left, an Internet Explorer window displays the XML file `bbptecdialogs.xml` located at `C:\Documents and Settings\locad\Desktop\bbtestxml\Dialogs\bbptecdialogs.xml`. The XML code defines a dialog named "PTEC Settings" with various input fields and labels, including "Heating", "Cooling", "Valve Type", "I/s", "% of Design", and "Angle of Rotation".

In the center, the BACnet Browser window shows a tree view of the network. The "Device 9030 'TEST30'" is selected, and a context menu is open, showing the "PTEC Settings" option. The "PTEC Settings - Device 9030 'TEST30'" dialog is displayed on the right, showing the configuration for the selected device. The dialog includes fields for "Heating" and "Cooling" valve types (both set to "81VL"), flow rates (both set to "0.042" I/s), and angles of rotation (both set to "71" and "73" degrees). The "Valve Type" is set to "I/s", and the "% of Design" is set to "80". The "Angle of Rotation" is set to "71" and "73".

Test Sequencer

Import Predefined Tests

Test sequences are engineered via Excel and exported to XML

Microsoft Excel - bbtesteditor.xls

File Edit View Insert Format Tools Data Window Help Adobe PDF Type a question for

B2 PTEC test procedure v1 (for development)

	A	B	C	D	E	F	G	H
1								
2		PTEC test procedure v1 (for development)						
3								
4		sid	name	read	test	write	sleep	
5		1	Start Fan	C = 1		4:46:85:9:8 = C		
6		2	FanSpd->65%	A = 3.75		1:32:85:4:8 = A		
7		3	ClgVlv->0%	C = 0		1:79:85:4:8 = C		
8		4	HtgVlv->0%			1:80:85:4:8 = C	10	
9		5	HtgVlv->100%	C = 100		1:80:85:4:8 = C	1	
10		6	SupT (0s)	B = 0:15:85			10	
11		7	SupT (+10s)	A = 0:15:85				
12		8	*Heating*	C = 5	A>B+C			
13		9	ClgVlv->0%	C = 0		1:79:85:4:8 = C		
14		10	HtgVlv->0%			1:80:85:4:8 = C		
15		11	Clg->100%	C = 100		1:79:85:4:8 = C	1	
16		12	SupT (0s)	B = 0:15:85			10	
17		13	SupT (+10s)	A = 0:15:85				
18		14	*Cooling*	C = 5	A<B-C			
19		15	Fan->Auto	C = 0		4:46:85:0:8 = C		
20		16	FanSpd->Auto			1:32:85:0:8 = C		
21		17	ClgVlv->Auto			1:79:85:0:8 = C		
22		18	HtgVlv->Auto			1:80:85:0:8 = C		
23		19	RmT	A = 0:4:85				
24		20	SupT	A = 0:15:85				
25		21	RmH	A = 0:126:85				
26		22	CO2	A = 0:125:85				
27								
28								
29								
30								
31								

Sheet1 / Sheet2 / Sheet3 /

Ready

C:\Documents and Settings\locad\My Documents\test.xml - Windows Internet Explorer

File Edit View Favorites Tools Help

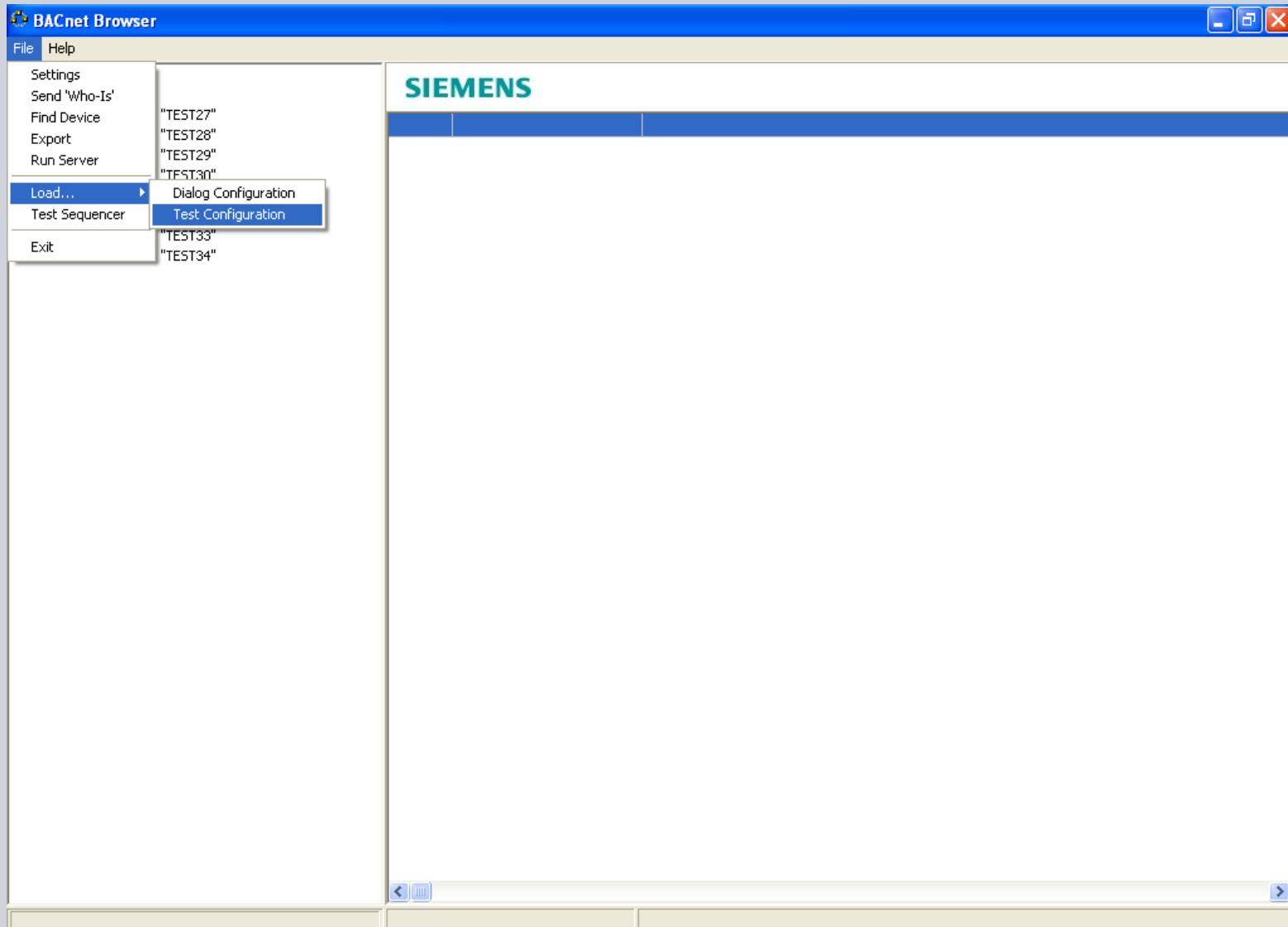
C:\Documents and Settings\locad\My Documents\test.xml

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<bbtest xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <description>PTEC test procedure v1 (for development)</description>
  <steps>
    <step>
      <sid>1</sid>
      <name>Start Fan</name>
      <read>C = 1</read>
      <write>4:46:85:9:8 = C</write>
    </step>
    <step>
      <sid>2</sid>
      <name>FanSpd->65%</name>
      <read>A = 3.75</read>
      <write>1:32:85:4:8 = A</write>
    </step>
    <step>
      <sid>3</sid>
      <name>ClgVlv->0%</name>
      <read>C = 0</read>
      <write>1:79:85:4:8 = C</write>
    </step>
    <step>
      <sid>4</sid>
      <name>HtgVlv->0%</name>
      <write>1:80:85:4:8 = C</write>
      <sleep>10</sleep>
    </step>
    <step>
      <sid>5</sid>
      <name>HtgVlv->100%</name>
      <read>C = 100</read>
      <write>1:80:85:4:8 = C</write>
      <sleep>1</sleep>
    </step>
    <step>
      <sid>6</sid>
      <name>SupT (0s)</name>
      <read>B = 0:15:85</read>
      <sleep>10</sleep>
    </step>
    <step>
      <sid>7</sid>
      <name>SupT (+10s)</name>
      <read>A = 0:15:85</read>
    </step>
  </steps>
</bbtest>
```

Test Sequencer

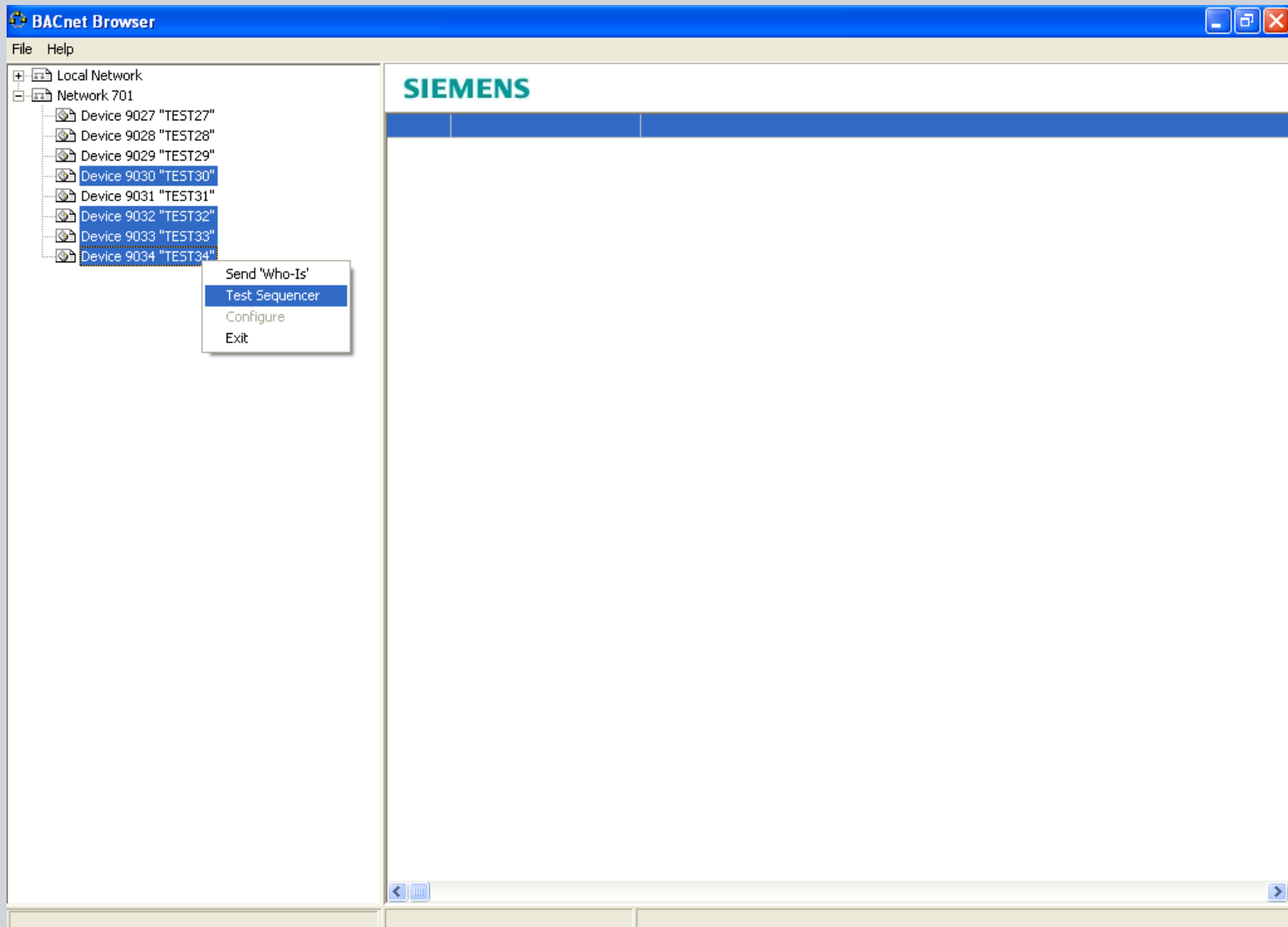
Import Predefined Tests

SIEMENS



Test Sequence Device Selection

SIEMENS



Test Sequencer

Run Test

BACnet Browser - Test Sequencer

Loaded Test: PTEC test procedure v1 (for development)

Name	HtgVlv->100%	SupT (0s)	SupT (+10s)	*Heating*	ClgVlv->0%	HtgVlv->0%	Clg->100%	SupT (0s)
Device 9030 "TEST30"	OK	30.5	30.5	Fail	OK	OK	OK	
Device 9032 "TEST32"	OK	27.1	27.1	Fail	OK	OK		
Device 9033 "TEST33"	OK	25.5	25.5	Fail	OK	OK		
Device 9034 "TEST34"	OK	27.4	27.4	Fail	OK	OK		

< >

Test Sequencer

Export Results



BACnet Browser - Test Sequencer

Loaded Test

PTEC test procedure v1 (for development)

Run

Write

Name	Start F	FanSpd	ClgVlv-	HtgVlv-	HtgVlv-	SupT (C	SupT (-	*Heatin	ClgVlv-	HtgVlv-	Clg->1	SupT (C	SupT (-	*Coolin	Fan->A	FanSpd	ClgVlv-	HtgVlv-	RmT	SupT	RmH	CO2
Device 9030 "TEST30"	OK	OK	OK	OK	OK	30.5	30.5	Fail	OK	OK	OK	30.5	30.5	Fail	OK	OK	OK	OK	23.4	30.5	50	1000
Device 9032 "TEST32"	OK	OK	OK	OK	OK	27.1	27.1	Fail	OK	OK	OK	27.1	27.1	Fail	OK	OK	OK	OK	23.4	27.1	50	1000
Device 9033 "TEST33"	OK	OK	OK	OK	OK	25.5	25.5	Fail	OK	OK	OK	25.5	25.5	Fail	OK	OK	OK	OK	23.4	25.5	50	1000
Device 9034 "TEST34"	OK	OK	OK	OK	OK	27.4	27.4	Fail	OK	OK	OK	27.4	27.4	Fail	OK	OK	OK	OK	23.4	27.4	50	1000

Load

Import

Export

Print

Exit

Test Sequencer

Table for Live Data

BACnet Browser - Test Sequencer

Loaded Test

PTEC Flow Settings

Run

Write

Name	VALVEH	VALVEC	DFH	DFC	DESPCTH	DESPCTC	SETH	SETC
Device 9030 "TEST30"	1	1	0.042	0.042	80	90	inactive	inactive
Device 9032 "TEST32"	1	2	0.042	0.042	90	100	inactive	inactive
Device 9033 "TEST33"	2	1	0.034	0.038	100	100	inactive	inactive
Device 9034 "TEST34"	1	1	0.042	0.042	100	100	inactive	inactive

BACnet WriteProperty [9034][1,1013]

Property

present value

Index

-1

Value

100

Tag

Real

Write

Priority

Priority 8

Test Sequence

Import Design Data – CSV Import

BACnet Browser - Test Sequencer

Loaded Test: PTEC Flow Settings [Run] [Write]

Name	VALVEH	VALVEC	DFH	DFC	DESPCTH	DESPCTC	SETH	SETC
Device 9030 "TEST30"								
Device 9032 "TEST32"								
Device 9033 "TEST33"								
Device 9034 "TEST34"								

Open

Look in: bbtestxml

Dialogs

sp_values_3.CSV

File name: sp_values_3.CSV

Files of type: CSV Files (*.csv)

☐ Open as read-only

Microsoft Excel - sp_values_3.CSV

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Commissioning Data													
2	ID	FCURef	VALVEH	DESPCTH-VALVEC	DESPCTC	SETH	SETC	DSIZE	REF1	REF2	REF3	DFH	DFC	
3	9000 L3E-FCU01		1	100	1	100	active	active	25	1	100	inactive	0.042	0.042
4	9001 L3E-FCU02		3	100	3	100	active	active	75	3	100	inactive	0.042	0.042
5	9002 L3E-FCU03		1	80	1	80	active	active	25	1	80	inactive	0.042	0.042
6	9003 L3E-FCU04		2	100	1	100	active	active	25	1	100	inactive	0.042	0.042
7	9004 L3E-FCU05		1	80	2	100	active	active	50	2	100	inactive	0.042	0.042
8	9005 L3E-FCU06		2	100	1	100	active	active	25	1	100	inactive	0.034	0.038
9	9006 L3E-FCU07		1	100	1	100	active	active	25	1	100	inactive	0.042	0.042
10	9007 L3E-FCU08		1	100	1	100	active	active	25	1	100	inactive	0.042	0.042
11	9008 L3E-FCU09		3	100	3	100	active	active	75	3	100	inactive	0.042	0.042
12	9009 L3E-FCU10		1	80	1	80	active	active	25	1	80	inactive	0.042	0.042
13	9010 L3E-FCU11		2	100	1	100	active	active	25	1	100	inactive	0.042	0.042
14	9011 L3E-FCU12		1	90	2	100	active	active	25	1	100	inactive	0.042	0.042
15	9012 L3E-FCU13		2	100	1	100	active	active	25	1	100	inactive	0.034	0.038
16	9013 L3E-FCU14		1	100	1	100	active	active	25	1	100	inactive	0.042	0.042
17	9014 L3E-FCU15		1	100	1	100	active	active	25	1	100	inactive	0.042	0.042
18	9015 L3E-FCU16		3	100	3	100	active	active	25	3	100	inactive	0.042	0.042
19	9016 L3E-FCU17		1	80	1	80	active	active	25	1	80	inactive	0.042	0.042
20	9017 L3E-FCU18		2	100	1	100	active	active	25	1	100	inactive	0.042	0.042
21	9018 L3E-FCU19		1	90	2	100	active	active	25	2	100	inactive	0.042	0.042
22	9019 L3E-FCU20		2	100	1	100	active	active	25	1	100	inactive	0.034	0.038
23	9020 L3E-FCU21		1	100	1	100	active	active	25	1	100	inactive	0.042	0.042
24	9021 L3E-FCU22		1	100	1	100	active	active	25	1	100	inactive	0.042	0.042
25	9022 L3E-FCU23		3	100	3	100	active	active	25	3	100	inactive	0.042	0.042
26	9023 L3E-FCU24		1	80	1	80	active	active	25	1	80	inactive	0.042	0.042
27	9024 L3E-FCU25		2	100	1	100	active	active	25	1	100	inactive	0.042	0.042
28	9025 L3E-FCU26		1	90	2	100	active	active	25	2	100	inactive	0.042	0.042
29	9026 L3E-FCU27		2	100	1	100	active	active	25	1	100	inactive	0.034	0.038
30	9027 L3E-FCU28		1	100	1	100	active	active	25	1	100	inactive	0.042	0.042
31	9028 L3E-FCU29		1	100	1	100	active	active	25	1	100	inactive	0.042	0.042
32	9029 L3E-FCU30		3	100	3	100	active	active	25	3	100	inactive	0.042	0.042

Test Sequence

Import Design Data – Write to Controller

BACnet Browser - Test Sequencer

Loaded Test: PTEC Flow Settings

Run Write

Name	VALVEH	VALVEC	DFH	DFC	DESPCTH	DESPCTC	SETH	SETC
Device 9030 "TEST30"	1	1	0.042	0.042	80	90	active	active
Device 9032 "TEST32"	1	2	0.042	0.042	90	100	active	active
Device 9033 "TEST33"	2	1	0.034	0.038	100	100	active	active
Device 9034 "TEST34"	1	1	0.042	0.042	100	100	active	active