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BACnet Browser

Commissioning Extensions

Custom Dialogs

XML Import of Device Specific Dialogs

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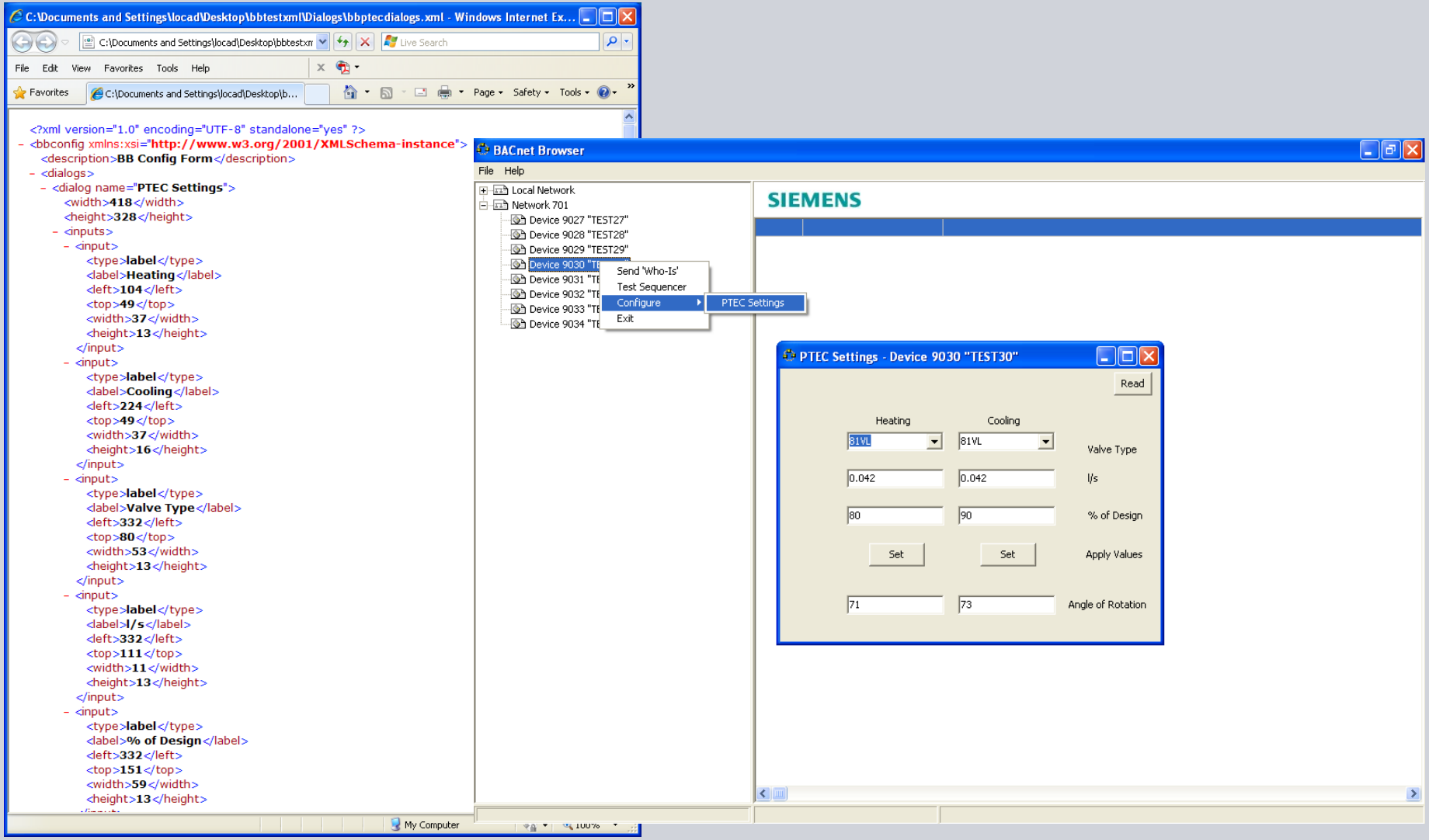

Test Sequencer
Import Predefined Tests

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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

B2: PTEC test procedure v1 (for development)

PTEC test procedure v1 (for development)

sid	name	read	test	write	sleep
1	Start Fan	C = 1		4:46:85:9:8 = C	
2	FanSpd->65%	A = 3.75		1:32:85:4:8 = A	
3	ClgVlv->0%	C = 0		1:79:85:4:8 = C	
4	HtgVlv->0%			1:80:85:4:8 = C	10
5	HtgVlv->100%	C = 100		1:80:85:4:8 = C	1
6	SupT (0s)	B = 0:15:85			10
7	SupT (+10s)	A = 0:15:85			
8	*Heating*	C = 5	A>B+C		
9	ClgVlv->0%	C = 0		1:79:85:4:8 = C	
10	HtgVlv->0%			1:80:85:4:8 = C	
11	Clg->100%	C = 100		1:79:85:4:8 = C	1
12	SupT (0s)	B = 0:15:85			10
13	SupT (+10s)	A = 0:15:85			
14	*Cooling*	C = 5	A<B-C		
15	Fan->Auto	C = 0		4:46:85:0:8 = C	
16	FanSpd->Auto			1:32:85:0:8 = C	
17	ClgVlv->Auto			1:79:85:0:8 = C	
18	HtgVlv->Auto			1:80:85:0:8 = C	
19	RmT	A = 0:4:85			
20	SupT	A = 0:15:85			
21	RmH	A = 0:126:85			
22	CO2	A = 0:125:85			

Sheet1 Sheet2 Sheet3

Ready

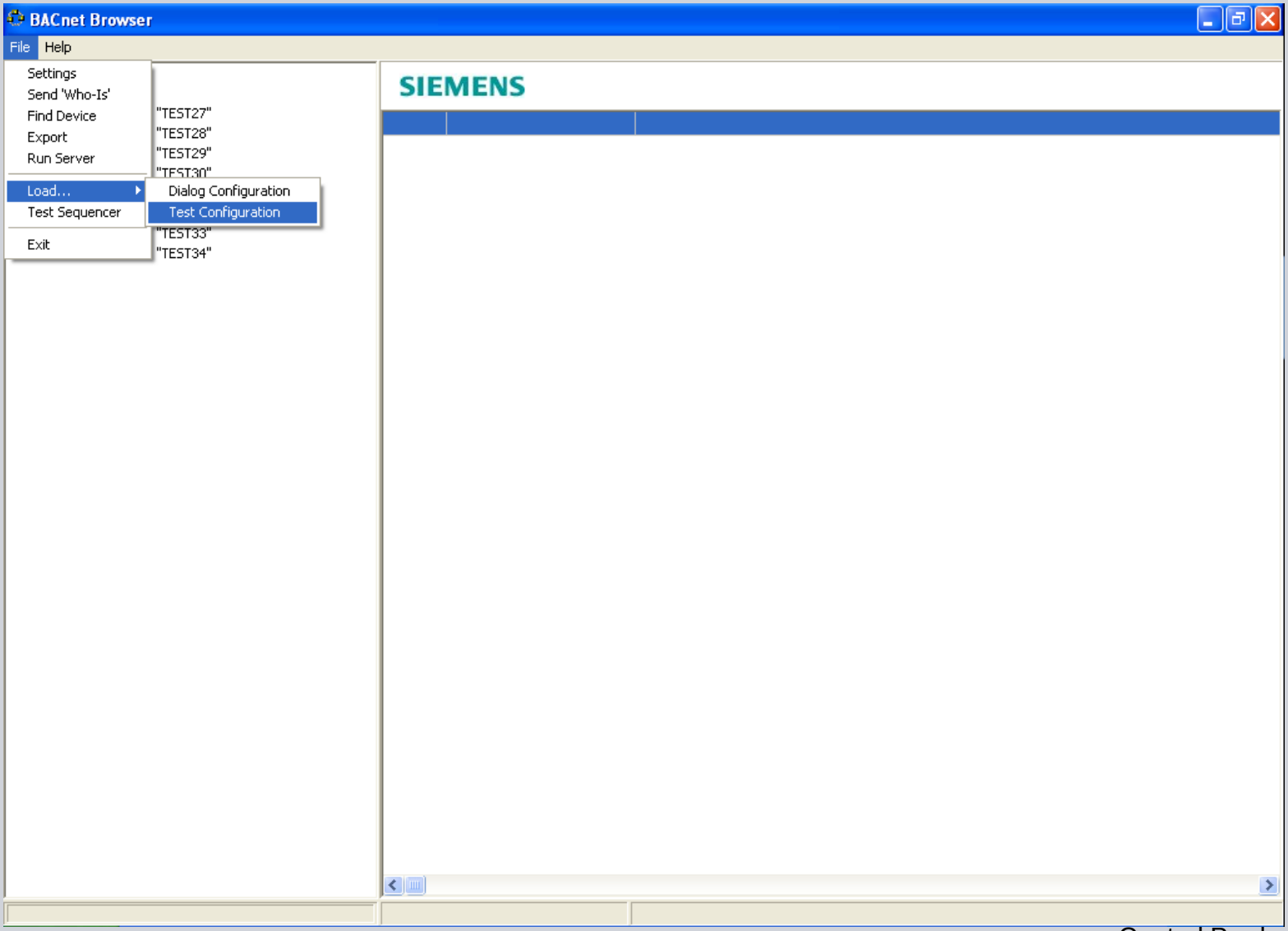
C:\Documents and Settings\locad\My Documents\test.xml - Windows Internet Explorer

```
<?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>
    - <step>
```

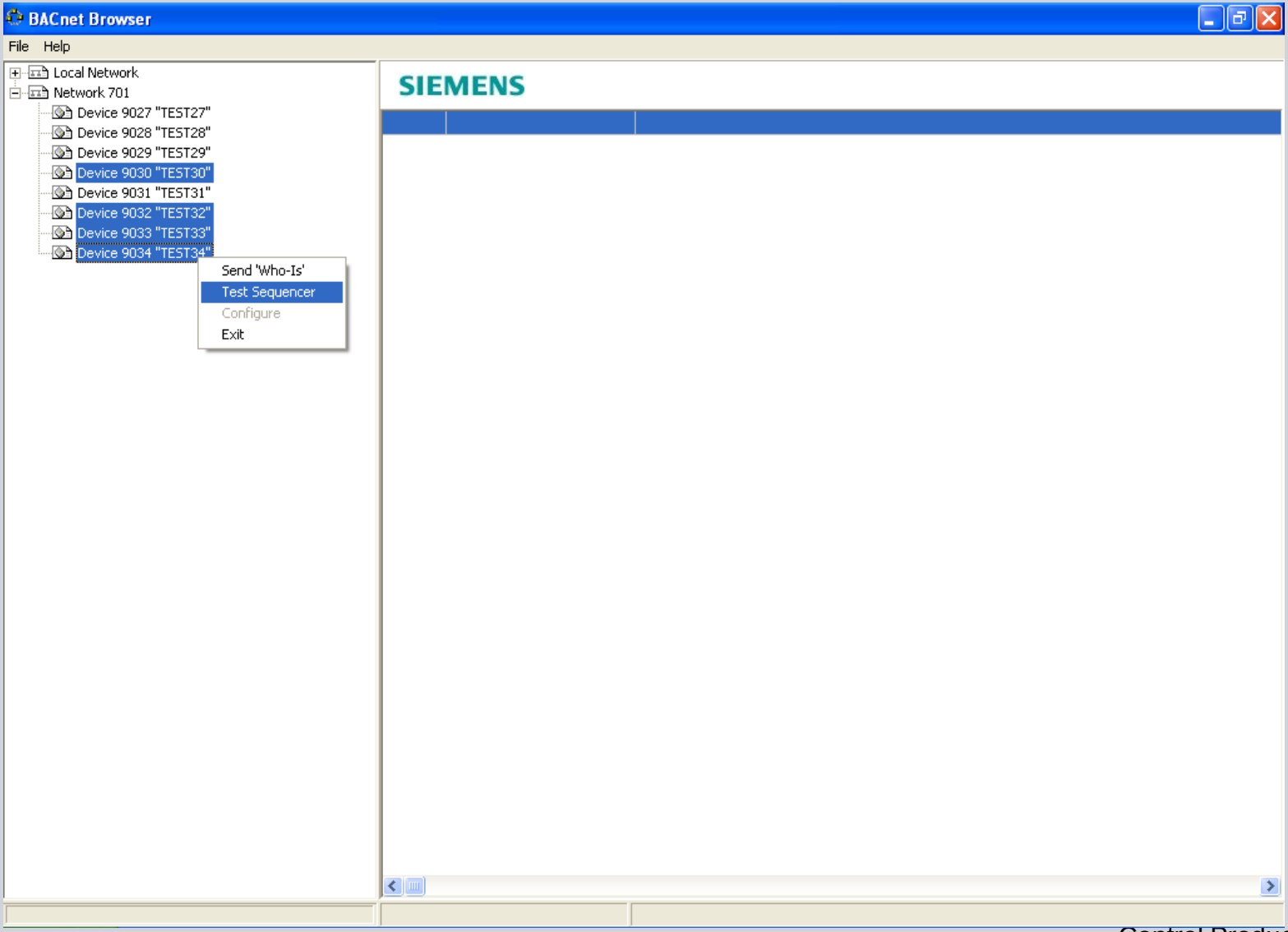
Done

Test Sequencer

Import Predefined Tests



Test Sequence
Device Selection



Test Sequencer
Run Test

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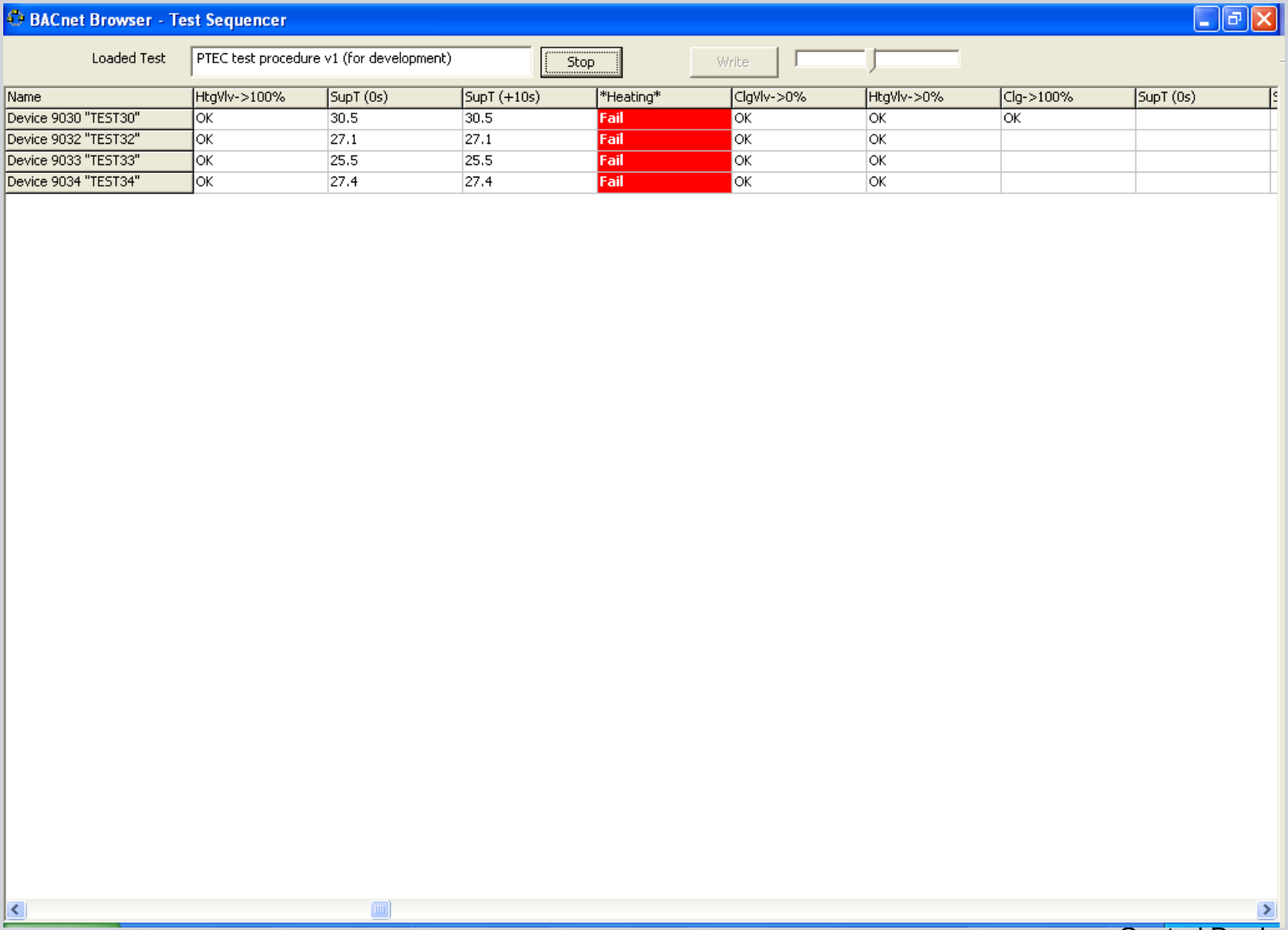

Name	HtgVlv->100%	SupT (0s)	SupT (+10s)	*Heating*	ClgVlv->0%	HtgVlv->0%	Clg->100%	SupT (0s)
Device 9030 "TEST30"	OK	30.5	30.5	Fail	OK	OK	OK	
Device 9032 "TEST32"	OK	27.1	27.1	Fail	OK	OK		
Device 9033 "TEST33"	OK	25.5	25.5	Fail	OK	OK		
Device 9034 "TEST34"	OK	27.4	27.4	Fail	OK	OK		

Test Sequencer
Export Results

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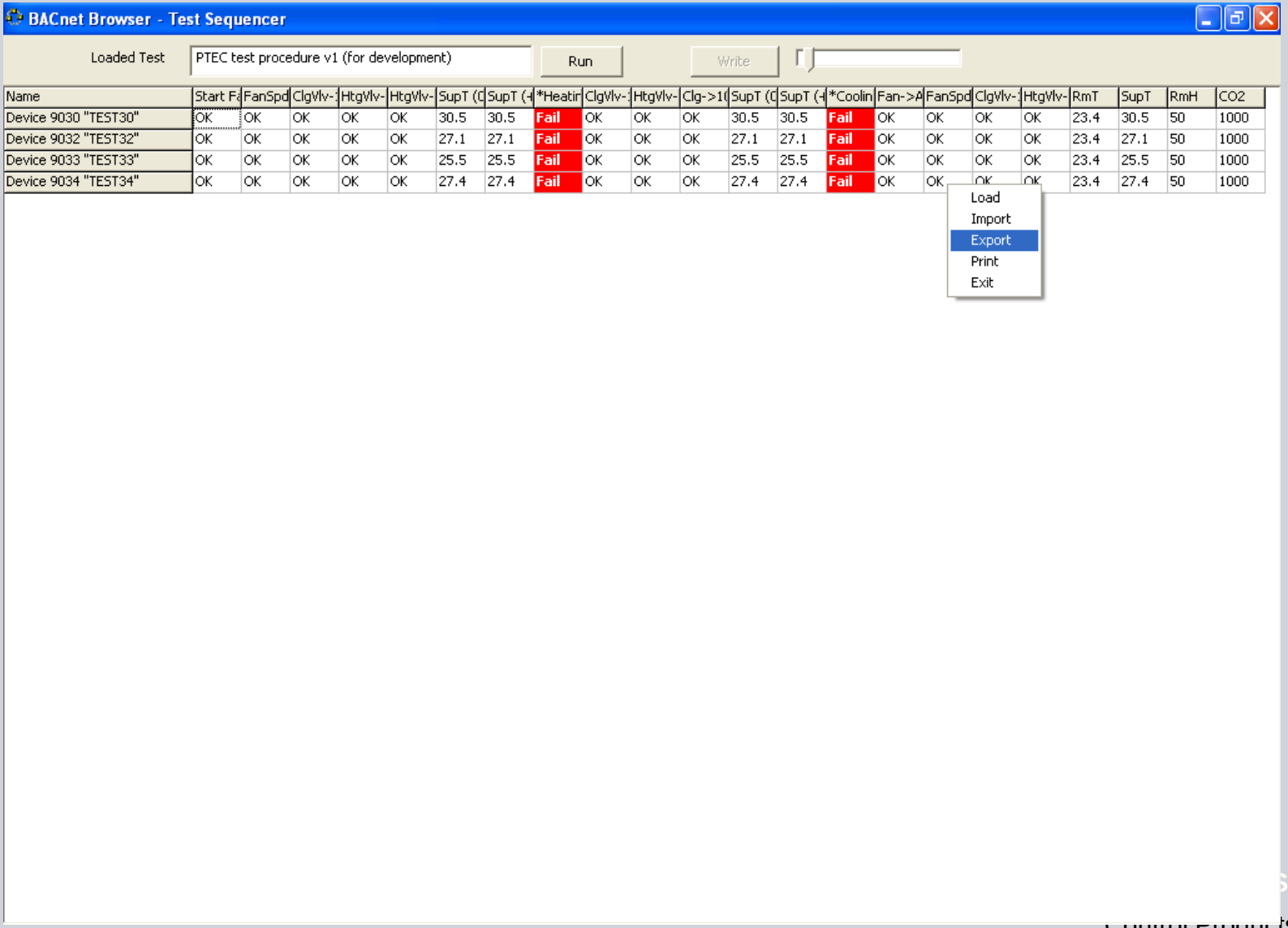

Name	Start F	FanSpd	ClgVlv-	HtgVlv-	HtgVlv-	SupT (	SupT (	*Heatir	ClgVlv-	HtgVlv-	Clg->1	SupT (	SupT (	*Coolin	Fan->A	FanSpd	ClgVlv-	HtgVlv-	RmT	SupT	RmH	CO2
Device 9030 "TEST30"	OK	OK	OK	OK	OK	30.5	30.5	Fail	OK	OK	OK	30.5	30.5	Fail	OK	OK	OK	OK	23.4	30.5	50	1000
Device 9032 "TEST32"	OK	OK	OK	OK	OK	27.1	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

Test Sequencer
Table for Live Data

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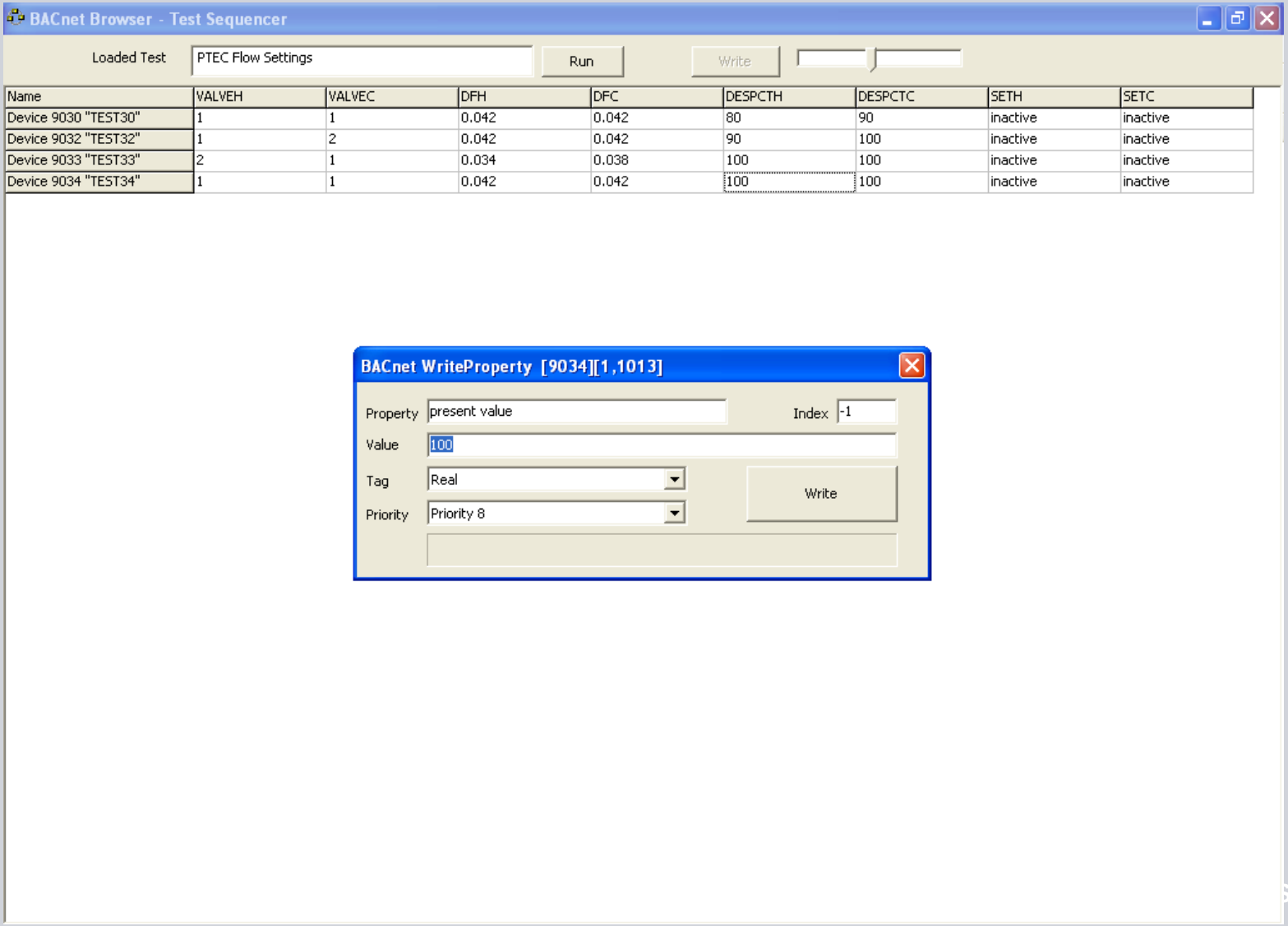
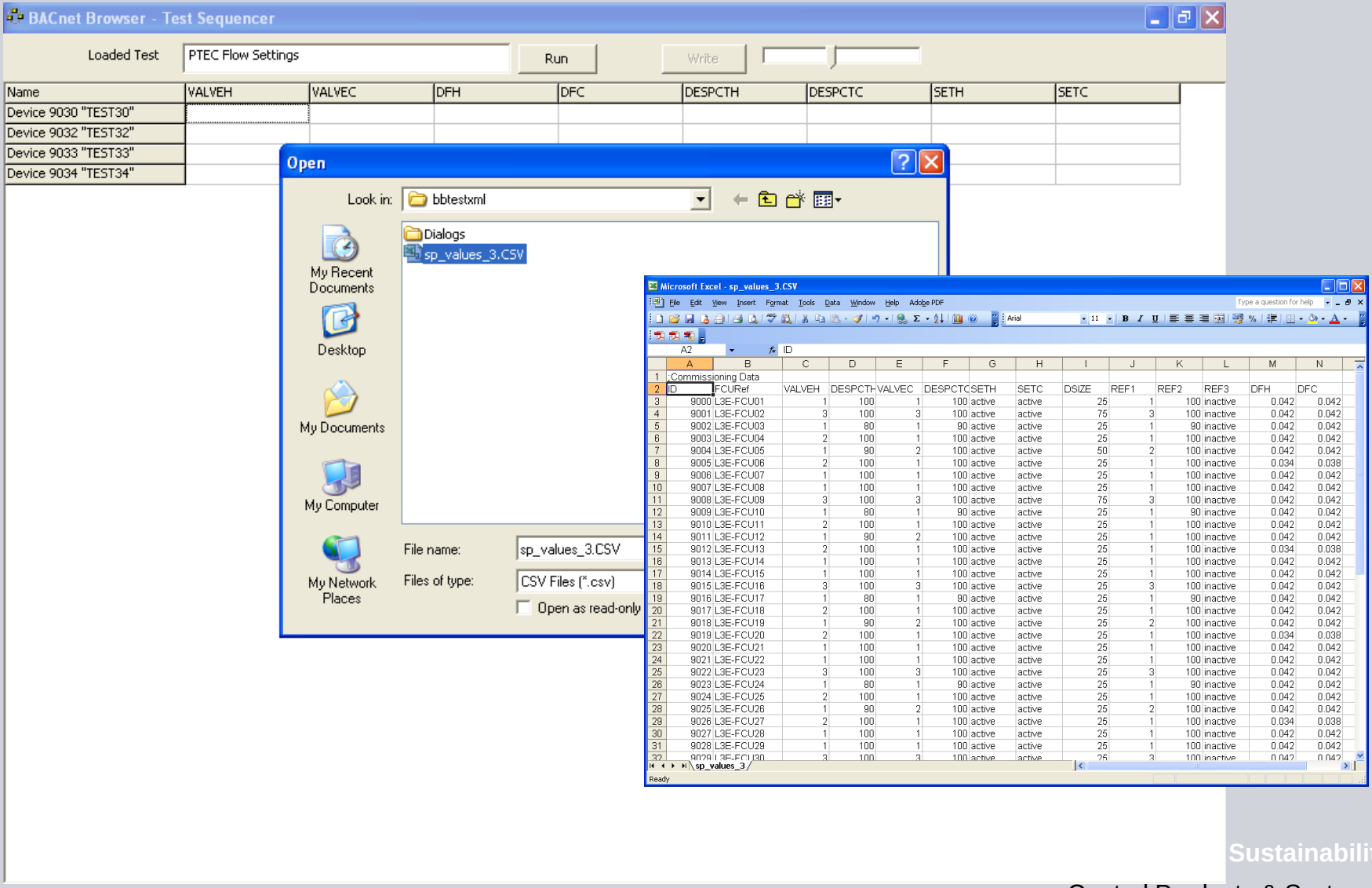


Test Sequence
Import Design Data – CSV Import



Test Sequence

Import Design Data – Write to Controller

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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