

Forcing Data to mimic a Fieldgate to the E+H SupplyCare-DM3 website. Below is the minimum data out of the standard Fieldgate XML data that can be sent to the E+H SupplyCare-DM3 website.

```
<?xml version="1.0" encoding="iso-8859-1" ?>
<fieldgate ser="01010701" tag="Endress Hauser Greenwood IN" type="full" devices="all">
  <time>20051201-173729</time>
  <device id="TK-69" tag="Sulfuric Acid" type="HART">
    <u1>gal</u1>
    <v1>14703.3</v1>
  </device>
</fieldgate>
```

This has to be in a "Plain Text Format" and in the body of the email (The only thing they would need to change is the highlighted values. Yellow is a must and used by our system. Green they can also change, but isn't used by the E+H SupplyCare-DM3 Server) All the black data above must be the same as above and not altered. The values don't necessarily have to be indented.

1st line - Always has to be an exact duplicate of the above

2nd line - "01010701" has to be a unique value that doesn't match anything we have in the SupplyCare-DM3 system. (This will need to be provided by Endress+Hauser) In Green I tend to use Company City State (Or site name)

3rd line - Must be a valid time in the exact format above. yyyyymmdd-hhmmss (Should be GMT, but can be in the local time zone. We just need to know which format)

4th line - Must have a unique name for individual Tanks. In Green I tend to use the product name, but if it is a tank that product is changed this may not be the best way to enter the tag.

5th line - Must be the engineering unit they use. If they use feet or inches then they have to provide tank dimensions and specific gravities of all products. (I suggest they send just pounds or gallons so all calculations are done on their end)

6th line - The actual value (ex. # of gallons)

7th line - Always has to be exact duplicate of the above.

8th line - Always has to be exact duplicate of the above.

If they are sending multiple tanks by the same email they would have to repeat lines 4-7 and make sure the 8th line above is the last line.

Example of a real Fieldgate email with 1 HART Sensor, 1 Analog Sensor, 1 Analog Channel without a sensor, and 1 Multiplexer.

```
<?xml version="1.0" encoding="iso-8859-1" ?>
- <fieldgate ser="56000F010A0" tag="Brians - DQ Test" type="full" devices="all">
  <rev_xml>1.0</rev_xml>
  <time>20060207-150924</time>
  <timezone>-300</timezone>
  <ff_version>01.02.03-072-20051005</ff_version>
  <os_version>3.19</os_version>
  <conf>FXA520-AA1B</conf>
- <device id="1112000c1f" tag="-----" type="HART">
  <vstslvl>2</vstslvl>
  <vsts>0x00 0x90</vsts>
  <vtime>20060207-150918</vtime>
  <v1_100>71.05</v1_100>
  <v1_lc>15.37</v1_lc>
  <serno>3103</serno>
  <hwrev>1</hwrev>
  <swrev>2</swrev>
  <devrev>2</devrev>
  <cmdrev>5</cmdrev>
  <preambl>5</preambl>
  <dev>FMP4xx / Levelflex M</dev>
  <man>Endress+Hauser</man>
  <stime>20060207-150735</stime>
  <stsext>0x00 0x20 0x40 0x20 0x00 0x00</stsext>
  <fnum>0</fnum>
  <datecode>0</datecode>
  <desc>-----</desc>
  <tag>-----</tag>
  <msg>-----</msg>
  <pid2>0x00</pid2>
  <chn2>0x00</chn2>
  <pid>0x00</pid>
  <hlsts1>OK</hlsts1>
  <hltime1>20060109-204923</hltime1>
  <u1>%</u1>
  <v1>71.05</v1>
  <mux>1def100c90</mux>
  <chn>0x10</chn>
  <type>HART</type>
  <ctime>20051128-190727</ctime>
  <unid>1112000c1f</unid>
- <param>
  <t2ch />
  <i />
  <o />
  <si />
  <so />
  <atime>60</atime>
  <swsts>1</swsts>
  <t1ch />
  <max>100.00</max>
  <min>0.00</min>
```

```
<hi>95.00</hi>
<val>71.05</val>
  </param>
</device>
- <device id="1def100c90" tag="P&F HM" type="HART">
  <vstslvl>0</vstslvl>
  <vsts>0x00 0x08</vsts>
  <vtime>20051128-190737</vtime>
  <stsext>0x00 0x00 0x80 0x00 0x90</stsext>
  <datecode>0</datecode>
  <desc>HM=RS485/BELL202</desc>
  <tag>P&F HM</tag>
  <msg>P&F HM = RS485/BELL202 GATEWAY</msg>
  <ismux>1</ismux>
  <hide>1</hide>
  <serno>1051792</serno>
  <hwrev>1</hwrev>
  <swrev>11</swrev>
  <devrev>1</devrev>
  <cmdrev>5</cmdrev>
  <preambl>4</preambl>
  <dev>KFD2-HMM-16</dev>
  <man>Pepperl+Fuchs</man>
  <stime>20060207-150920</stime>
  <pid>0x00</pid>
  <hlsts1>OK</hlsts1>
  <hltime1>20051128-190737</hltime1>
  <u1>not used</u1>
  <v1>NAN</v1>
  <chn>0x10</chn>
  <type>HART</type>
  <ctime>20051128-190406</ctime>
  <unid>1def100c90</unid>
  </device>
- <device id="_4..20mA-2" tag="Test" type="INTRN">
  <v1_lc>0.02</v1_lc>
  <v1_100>-24.90</v1_100>
  <vtime>20060207-150920</vtime>
  <tag>Test</tag>
  <hlsts2>OK</hlsts2>
  <v2>-42336.33</v2>
  <u2 />
  <hltime2>20051128-190738</hltime2>
  <hlsts1>LL</hlsts1>
  <v1>-42336.33</v1>
  <u1>lbs</u1>
  <hltime1>20051128-190745</hltime1>
  <vstslvl>2</vstslvl>
  <vsts>0x41 0x05</vsts>
  <type>INTRN</type>
  <dev>internal</dev>
  <man>Endress+Hauser</man>
  <unid>_4..20mA-2</unid>
- <param>
  <i />
```

```
<o />
<atime>3600</atime>
<p4>0.00</p4>
<un />
<tg />
<hd>1</hd>
<t2ch>A/I Ch 2</t2ch>
<si />
<so />
<swsts>1</swsts>
<r>1</r>
<t1ch>Full Scale Test</t1ch>
<dch>1</dch>
<val>-2503208.75</val>
<min>0.00</min>
<ll>0.00</ll>
<max>170000.00</max>
<p20>170000.00</p20>
<lo>1000.00</lo>
<hi>150000.00</hi>
<hh>160000.00</hh>
  </param>
  </device>
- <device id="_4..20mA-1" type="INTRN">
  <v1_lc>0.02</v1_lc>
  <v1_100>-24.90</v1_100>
  <vtime>20060207-150920</vtime>
  <hlsts2>OK</hlsts2>
  <v2>-248.79</v2>
  <u2 />
  <hltime2>20051128-190738</hltime2>
  <hlsts1>OK</hlsts1>
  <v1>-248.79</v1>
  <u1>lbs</u1>
  <hltime1>20051128-190738</hltime1>
  <vstslvl>2</vstslvl>
  <vsts>0x41 0x05</vsts>
  <type>INTRN</type>
  <dev>internal</dev>
  <man>Endress+Hauser</man>
  <unid>_4..20mA-1</unid>
- <param>
  <i />
  <o />
  <atime>3600</atime>
  <p4>0.00</p4>
  <hd />
  <un>%</un>
  <tg>Unused analog</tg>
  <t1ch />
  <t2ch />
  <si />
  <so />
  <swsts>1</swsts>
  <r>1</r>
```

```
<max>0.00</max>
<p20>999.00</p20>
<min>999.00</min>
<dch />
  </param>
  </device>
- <device id="_5V" type="INTRN">
  <vtime>20060207-150920</vtime>
  <hlsts1>OK</hlsts1>
  <v1>5.07</v1>
  <u1>V</u1>
  <hltime1>20051128-190738</hltime1>
  <vstslvl>0</vstslvl>
  <vsts>0x00 0x00</vsts>
  <type>INTRN</type>
  <dev>internal</dev>
  <man>Endress+Hauser</man>
  <unid>_5V</unid>
- <param>
  <tg>_5V</tg>
  <lo>4.50</lo>
  <hi>5.50</hi>
  <hd>1</hd>
  <o>1</o>
  <t1ch />
  <t2ch />
  <i />
  <si />
  <so />
  <atime>60</atime>
  <swsts>1</swsts>
  <dch />
    </param>
    </device>
- <device id="_boardtemp" type="INTRN">
  <vtime>20060207-150920</vtime>
  <hlsts1>OK</hlsts1>
  <v1>39.20</v1>
  <u1>°C</u1>
  <hltime1>20051128-190738</hltime1>
  <vstslvl>0</vstslvl>
  <vsts>0x00 0x00</vsts>
  <type>INTRN</type>
  <dev>internal</dev>
  <man>Endress+Hauser</man>
  <unid>_boardtemp</unid>
- <param>
  <tg>_boardtemp</tg>
  <lo>-10.00</lo>
  <hi>50.00</hi>
  <hd>1</hd>
  <o>1</o>
  <t1ch />
  <t2ch />
  <i />
```

```
<si />  
<so />  
<atime>60</atime>  
<swsts>1</swsts>  
<dch />  
  </param>  
  </device>  
</fieldgate>
```