

Release Note #84

Topic: Key/Value (Histview) Alarm Format

General Information:

In an effort to simplify the process of importing PressureMAP alarm data into an external database and other applications, PressureMAP Version 28 includes a new alarm/report format which displays alarm data in a key=value format. The program was further modified to provide the ability to send the script-formatted report or alarm to an IP socket (address and port). Alarm distribution to an IP socket requires entering the format "RAP IP=ip address:port" in the Phone number field of the Alarm Center Information Screen. RAP designates the remote asynchronous protocol used for the process.

Two output variations of the key /value alarm and report format are provided: one for device-related alarms and one for system alarms (see examples below).

Specifics:

In order to utilize this new key/value report and alarm format, three Alarm Center data entry procedures are required:

1. Preface the Phone number or IP address field with "RAP".
2. Specify FULL for the Delivery mode and/or Clear mode.
3. Set the Remarks field to "ALARM_RPT KEY_VALUE_ALARM".

A typical Alarm Center data entry editor screen would look like this:

```
Center Add: Keypad Field Control, <Esc> end screen, <Ctrl L> redraw screen
<Return> next field, <Backsp> delete char, <Ctrl B> previous field
-----
Center name:  ALARM_EXPORT
Phone number: RAP IP=10.1.2.14:5000           Modem Site:  DIGI A
Delivery mode: FULL REPORT                   Clear mode:  NOT DELIVERED
Remarks: ALARM_RPT KEY_VALUE_ALARM
Offices:
           OFFICE NAME 1, OFFICE NAME 2, etc.
-----
```

EXAMPLE 1: ALARM CENTER INFORMATION SCREEN

Output Formats:

The lists on the following pages show the output formats for the key/value alarm and reports. The comments to the right are provided for reference and/or clarity.

Device Related Alarms Format:

Honam=xxx	Office name
Ttask=xxx	Task number
Tdisp=xxx	Condition text (line 1)
Tdis2=xxx	Condition text (line 2)
Ttday=xxx	Julian task date (0-based)
Ttnum=xxx	Task sequence number
Tcode=xxx	Condition code
Trank=xxx	Rank
Tseve=xxx	Severity
Tdnum=xxx	Device number
Ttype=xxx	Device type
Trang=xxx	Device range
Toaux=xxx	Device OAU
Tpipe=xxx	Pipe name
Tread=xxx	Device Current reading
Tcuid=xxx	Reading source (call, alert, etc).
Tsval=xxx	Secondary reading value
Tods0=xxx	Device office distance 1
Tods1=xxx	Device office distance 2
Tolo0=xxx	Device office location 1
Tolo1=xxx	Device office location 2
Tflo0=xxx	Device field location 1
Tflo1=xxx	Device field location 2
Tfds0=xxx	Device field distance 1
Tfds1=xxx	Device field distance 2
Tvali=xxx	Reading validated flag
Tackn=xxx	Task acknowledged flag
Tgrpx=xxx	Task grouped flag
Tstat=xxx	Task status
Taopn=xxx	Active opening flag
Ttrbl=xxx	Pair trouble flag
Tfilt=xxx	Task filtered flag
Tclrd=xxx	Condition cleared flag
Talarm=xxx	Alarm flag
Tadel=xxx	Alarm delivered to all centers
Tcdel=xxx	Clear alarm delivered to all centers
Tloca=xxx	Device location
Trdtm=xxx	Device current reading time
Tsl00=xxx	Task status indicator 0
Tsl01=xxx	Task status indicator 1
Tsl02=xxx	Task status indicator 2
Tsl03=xxx	Task status indicator 3
Tsl04=xxx	Task status indicator 4
Tsl05=xxx	Task status indicator 5
Tsl06=xxx	Task status indicator 6
Tsl07=xxx	Task status indicator 7
Tsl08=xxx	Task status indicator 8
Tactt=xxx	Task activity type
Truni=xxx	Device reading units
Ttcre=xxx	Task creation time
Ttupd=xxx	Task updated time
Tproc=xxx	Task procedure code
Tlast=xxx	Device Last reading
Ttoda=xxx	Device Today reading
Tset1=xxx	Device Day-1 reading
Tset2=xxx	Device Day-2 reading
Tset3=xxx	Device Day-3 reading
Tset4=xxx	Device Day-4 reading

System Alarms Format:

Honam=SYSTEM	Indicates system alarm
Tsnam=xxx	System name
Ttask=xxx	Task number
Ttday=xxx	Julian task date (0-based)
Ttnum=xxx	Task sequence number
Tcode=xxx	Condition code
Trank=xxx	Rank
Tseve=xxx	Severity
Tenam=xxx	Entity/office associated with error
Teday=xxx	Julian date of last instance
Tdesc=xxx	Error description
Tinst=xxx	Number of instances
Tlevl=xxx	Alarm level
Tackn=xxx	Task acknowledged flag
Torel=xxx	Office related flag
Tclrd=xxx	Condition cleared flag
Talrm=xxx	Alarm flag
Tadel=xxx	Alarm delivered to all center
Tcdel=xxx	Clear alarm delivered to all centers
Tsl00=xxx	Task status indicator 0
Tsl01=xxx	Task status indicator 1
Tsl02=xxx	Task status indicator 2
Tsl03=xxx	Task status indicator 3
Tsl04=xxx	Task status indicator 4
Tsl05=xxx	Task status indicator 5
Tsl06=xxx	Task status indicator 6
Tsl07=xxx	Task status indicator 7
Tsl08=xxx	Task status indicator 8
Ttcre=xxx	Task creation time
Ttupd=xxx	Task updated time
Ttfin=xxx	Task first instance
Ttlin=xxx	Task last instance
Tproc=xxx	Task procedure code

Device Related Alarm Output Sample:

Please note that each alarm/report sent includes all of the lines of data listed above in a fixed format regardless of whether or not a value has been associated with a particular key. This structure adds output consistency and makes it simpler for other programs to import the data. Please refer to the output example on the next page for a look at a key/value alarm output for a contact alarm device. Other types of device-related alarm reports would include variations in the specific values included.

Output Sample:

```
Honam=TEST1
Ttask=207001F
Tdisp=207001F   001-03   Contact Alarm at alarm or error (ALRM) in <24 hr   ****
Tdis2=          Reading was ALRM at 16:15 on 07/26/11
Ttday=206
Ttnum=31
Tcode=8150
Trank=3
Tseve=7
Tdnum=001-03
Ttype=CA
Trang=
Toaux=
Tpipe=
```

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Tread=ALRM
Tcuid=ALRT
Tsva1=
Tods0=
Tods1=
Tolo0=
Tolo1=
Tflo0=
Tflo1=
Tfds0=0.0
Tfds1=0.0
Tvali=0
Tackn=0
Tgrpx=0
Tstat=1
Taopn=0
Ttrbl=1
Tfilt=0
Tclrd=0
Talm=1
Tadel=0
Tcdel=0
Tloca=3
Trdtm=06/26/2011 16:15:16
Tsl00=ALRM
Tsl01=
Tsl02=
Tsl03=
Tsl04=
Tsl05=
Tsl06=
Tsl07=
Tsl08=
Tactt=
Truni=0
Ttcre=06/26/2011 16:17:19
Ttupd=06/26/2011 16:17:19
Tproc=5
Tlast=OK
Ttoda=OK
Tset1=
Tset2=
Tset3=OK

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