ABB MEASUREMENT & ANALYTICS | DATA SHEET

Voice Alarm System (VAS)

System software products

Description

The Totalflow Voice Alarm System (VAS) is a Microsoft Windows based program designed to call specified meter technicians, producers, etc., in the event of an alarm condition detected on any Totalflow FCU, RTU or AIU. A person with a valid access code can call into the system and request the current information from any Totalflow FCU or RTU assigned to his or her access code. With the appropriate rights, the caller can send commands to the device directly from the phone.

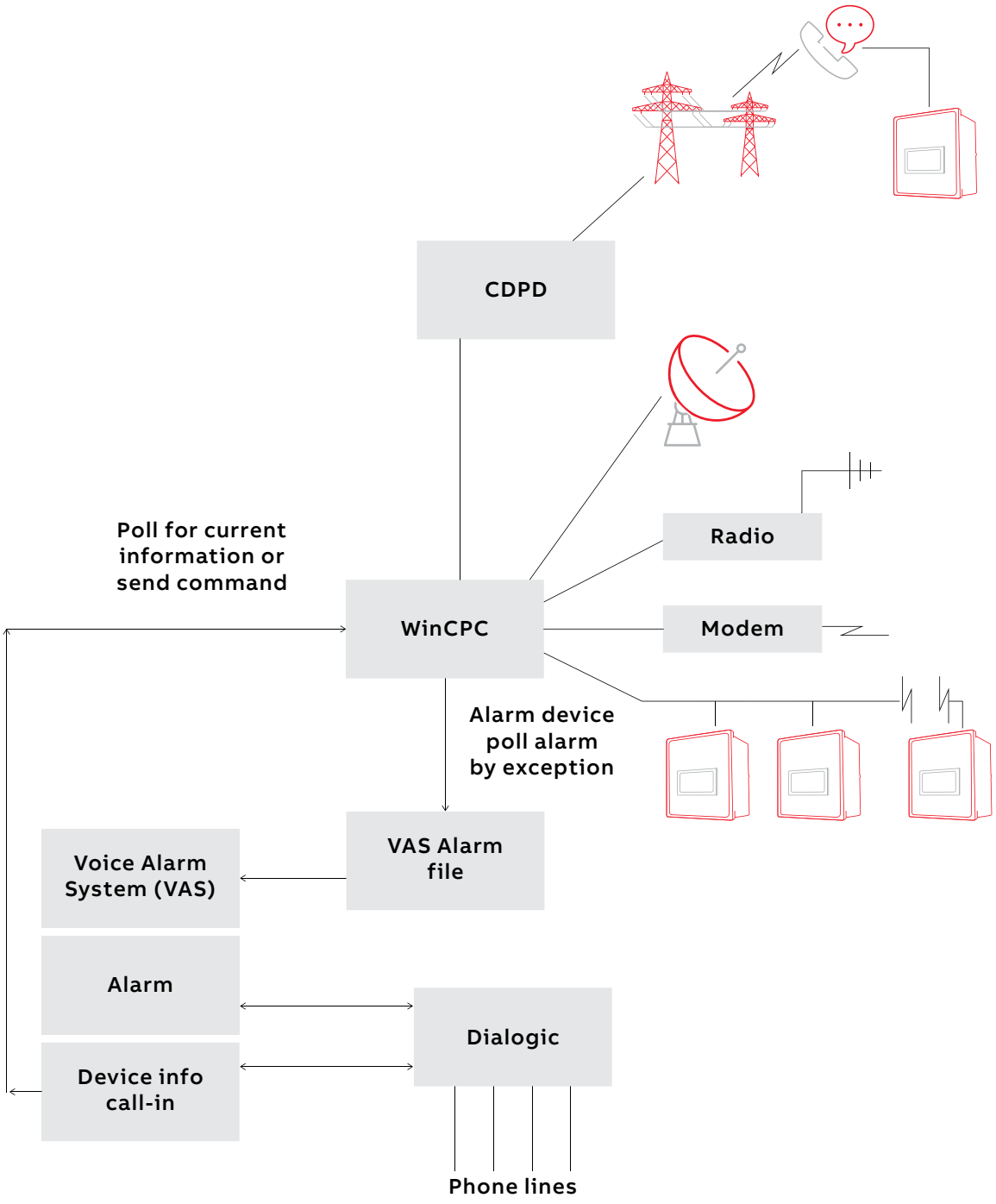
Features

- Supports Totalflow Alarm Formats
  - Device Poll
  - Alarm by Exception
  - Cry out
- Communicates via a Dialogic multi-line speech board using digitally recorded voice messages and prompt codes
- Easy setup and maintenance
- Prompted User Response to Call-out
- Handles alarms from multiple workstations on a LAN so that the workstations can share the Dialogic interface card.
- Operates on up to 4 phone lines simultaneously for call-out
- Supports up to 4 different RS232 lines through the WinCPC Communications Server for:
  - Data requests for current information
  - Sending commands to the device
- Complete with all the necessary default voice files
- The User can customize some or all of the messages by purchasing additional voice editing software
- Distributed Client / Server Architecture
- Unlimited phone book for call-out and call-in
- User ID can apply to individual devices or to groups of devices; This allows a single ID change for a new meter technician or operator instead of a change for each meter assigned to that person – when new meters are added to a group it is automatically added to the appropriate call-out list
- Tightly integrated with WinCCU ID data base
- Multiple call-out lists, including two schedules, such as weekday and weekend or daytime and nighttime; Two-person acknowledgment of alarms available for night or weekend safety issues
- Disable / Enable Call-out and Call-in for user ID, selected devices, or groups of devices
- Logs all Alarm Call-outs and User Call-ins – in addition to the permanent record or alarms, this allows management to monitor the response of the on-call persons and hold them accountable
- Alarm call-out file format available so alarms from non-Totalflow sources can be added
- Call-in information includes IDs or Groups disabled by the caller
- Up to 9 command keys, allowing a caller to change a value in the FCU, such as a DI to shut-in a well or start a pump – user Ids can be configured for information only, disable/ re-enable clearance, and/or command feature capable.
- In some circumstances supports numeric pagers

Benefits

VAS provides for immediate notification of alarm conditions. VAS now allows commands to be sent to the FCU/RTU. These features allow the appropriate per- sons to evaluate the problem and take immediate appropriate action. This means:

- Limited supervisory control added to the existing data acquisition, achieving true real-time SCADA applications
- Increased production– problems are dealt with as soon as they occur –e venings, nights, holidays, or other events will not cause problems to go unnoticed and production to be down – even during the workday, immediate notification of alarm conditions means more effective operations
- Reduced maintenance costs – fixing problems when they occur means lower costs for repairs
- Fewer penalties – faster or even immediate response means less spillage or other environmental impacts
- Efficient allocation of manpower – send people where they are needed right now
- More uptime – With immediate notification problems can be fixed and the unit placed back in production in a minimal amount of time
- Phone notification means nearly universal ability to contact the appropriate person
- Call-in provides immediate information for polled devices over the phone – driving to the site is not required


CDPD
Radio
Poll for current information or send command
WinCPC
Modem
Alarm device poll alarm by exception
VAS Alarm file
Voice Alarm System (VAS)
Alarm
Dialogic
Device info call-in
Phone lines

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