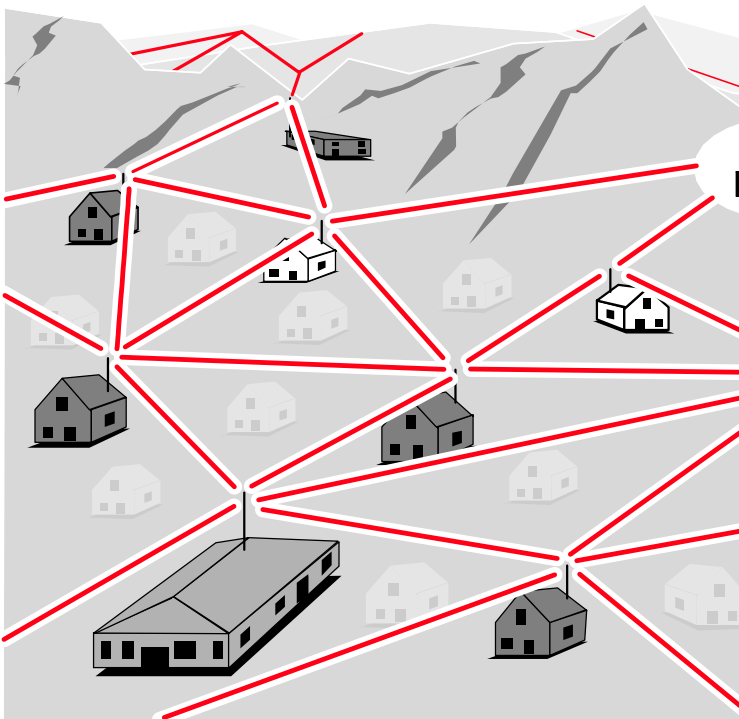

AES•IntelliNet

WIRELESS NETWORK GLOSSARY OF TERMS



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GLOSSARY OF TERMS

ACKNOWLEDGE - Message acceptance from receiving unit to transmitting unit

ACTIVE (/STANDBY) - For Central Receiver, indicates unit is actively receiving and acknowledging messages from the network; Standby mode prevents the Central Receiver from transmitting.

AUTOMATION SOFTWARE - Alarm Monitoring software, separate from AES-IntelliNet network/communications system; receives alarm data from AES system.

BANDPASS FILTER CAVITY - High grade radio signal filter, enhances performance of transceivers and communications network. Standard for central station transceiver(s), option for subscriber units.

CAVITY - See Bandpass Filter Cavity, above.

CENTRAL RECEIVER - Central network node, receives and acknowledges messages, interfaces with AES Net Software / Central Transceiver.

CENTRAL STATION - The entire equipment group that makes up the AES Central Station - Transceiver, Central Receiver, Network Controller / Computer; also refers to location / operation area

COM1, COM2 - Serial communication ports on 7100/7700 Network Controller / Computer

COMM / COMMUNICATION - Generally data communication on the AES network.

CONTROLLER - 1. Network Controller, a computer, Model 7100 or 7700/UL. 2. "Controller board", part of each subscriber and central receiver, from its generic function as "terminal node controller".

CONTROLLER - NETWORK COMPUTER - Computer in the AES Central Station; operates AES Net Software (Net77, Net7K, Net7000), serves as hub of computer network, providing programming, databasing and operator input for the AES system.

CPU - 1. Microcontroller on terminal node controllers found in subscriber units and the central receiver; 2. Microprocessor in Network Controller (computer).

CYPHER (DEALER) CODE - Code that is unique to each AES-IntelliNet system, prevents other systems operating on the same radio frequency from receiving or transmitting data or otherwise interfering with the system.

DEALER CODE - See Cypher Code, above.

DB - Decibel, measure of signal strength; measure of antenna capability.

DMU - Data Message Unit

GLOSSARY, *continued*

FAULT - A problem; word appears in printouts and on indicators adjacent to the source of the "fault".

FREQUENCY - Radio frequency. Operators of the system must be licensed. AES•IntelliNet operates on a single frequency.

ID # - Unique identification number assigned to a subscriber unit.

LINK LAYER - The number of "hops" a subscriber unit is from the central receiver: a subscriber that communicates directly with central has a Link Layer 1; a subscriber that does not communicate directly with the central receiver, but can communicate with subscriber units in layer 1, has a Link Layer 2.

LPT1 - Printer port on 7100 Network Controller / Computer

NET77 / NET7K / NET7000 - AES Network Management Software operating on 7100 computer

NETCON - Rating of communication link between a subscriber unit and the central station, with a range of 0 to 7, 0 being best.

NETWORK CONTROLLER - 7100 or 7700 Controller, a computer operating platform for AES Net software.

NODE - A data transceiver in the network, including subscriber units and the central receiver.

PATH - The route a message takes from one location in the network to another; also called "route".

PROGRAMMER - The handheld terminal used to program subscriber units (p/n 7041).

RESTORAL - The return of an input to "normal", or its non-alarm state; subscriber units can be programmed to report "restorals".

ROUTE - The path a message takes from one location in the network to another; also called "path".

ROUTING RECORDS - At the central station / Net77 software - a list of routes or paths that a subscriber can use to send its messages to the central station. The records are stored in the Net77 database, and are constantly updated.

ROUTING TABLE - At the subscriber unit - a list of units that a subscriber can communicate with directly, stored in the subscriber memory; this list can be reviewed at the central station using the <ALT><G> "Get Route" function inputs with line supervision (tamper protection) provided by EOL resistors; Supervision capability must be programmed.

GLOSSARY, *continued*

STANDBY (/ACTIVE) - For Central Receiver, indicates unit is deactivated, and is **NOT** actively receiving and acknowledging messages from the network.

SUBSCRIBER UNIT - Models 7050, 7750, 7050-E, 7750-E, "remote" units that 1. report data from the remote site; 2. act as repeaters (nodes) on the AES network.

SUPERVISED ZONE - 7050 and 7750 Subscriber unit equipped with 7070 zone expansion boards, and 7050-E and 7750-E units, have zone inputs with line supervision (tamper protection), provided by EOL resistors. Supervision capability is a programmable option, programmed using a handheld programmer or AES NET software.

SUPERVISION (ACCOUNT) - AES Net software provides "supervision", annunciating any subscriber unit that has failed to check in. For UL and Commercial Fire Alarm systems, account supervision is provided by automation software connected to the AES system.

TAMPER - An alarm condition resulting from opening a component in the system, or by a cable cut or failure.

TIMEOUT - Indicates a condition where an attempted transfer of data has failed, as detected by an unusually long time waiting for an acknowledgment or other input.

TRANSCEIVER - Generally, the "radio transceiver" that is part of every subscriber unit and the central station.

ZONE - Discrete input into a subscriber unit, reported to the central station.

Notes