



FDNY

BUREAU OF FIRE PREVENTION

9 Metro Tech Center, 3rd Floor
Brooklyn, NY, 11201

To: Justin Mitchell
From : New York City Fire Department
Date Apr 19, 2023
Record ID: 2023-TMCOAP-002520-CERT



Premises Address: Citywide

BIN

Application Type: Certificate of Approval

Result: Certificate of Approval

Expires on April 19, 2026

By order of Fire Commissioner, and pursuant to Section FC 112 of the New York City New Fire Code, the following equipment or system is accepted for use provided the conditions as outlined below are in full compliance.

Manufacturer: AES Corporation - IntelliNet.

Trade Name: AES Corporation - IntelliNet.

Product: INCC - IntelliNet Network Control Center

Basic Model Number(s): Model 8705 INCC (IntelliNet Network Control Center)

Pertinent Code Section(s): Section FC 901 of the New York City Fire Code

Test(s) Standards(s): UL 864, NFPA-72-2010, 1 RCNY §3616-04

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): UL S5103 Vol. 10 Sec. 1 Page 1 Issued: 2022-03-01

Description:

The AES IntelliNet is a patented two-way data radio network used for monitoring alarms and transmitting specialized data packets. The system is faster and more reliable than telephone and cellular systems, both of which are subject to tampering and general failure. Phone lines may still be used for backup.

The system's unique "smart" radio communicators, called Subscriber units, are each connected to an alarm panel or specialized data port. Alarm information or data is transmitted by radio to the central receiver. If a Subscriber unit is too far away to reach the central



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station directly, its message is relayed by another Subscriber unit closer to or in better communication with the central station or other closer units. This unique built-in "repeater" capability creates a highly rugged, adaptive security network. The system self-adjusts to ensure that messages are forwarded via the shortest and best available route. This "smart routing" capability is automated, requiring no special programming. Also, the AES system eliminates the need for dedicated repeaters and towers, significantly reducing setup and operating costs.

The Intelli-Net Control Center software version 10.00.xx is Classified for use limited to installation on the minimum platform located at an alarm monitoring facility as specified in the installation documentation by the software provider.

The product covered by this report consists of software installed within certified information technology equipment servers, configured to store messages in a compatible database. The software and hardware combination are intended to support the signal receiving, signal recording and supervisory functions necessary for the normal operation of the associated subscriber's control units installed within a protected premise.

The identified software receiver has been evaluated for receiving burglar and fire alarms signals from the manufacturer's separately Listed communicators under File S5103.

Standard Line Security for burglar alarm applications has been evaluated in conjunction with the separately Listed AES communicator Models 7007, 7744F and 7788F (refer to File S5103).

This Software requires the following minimum platform at the monitoring station.

1) Signal Processing Server Minimum Configuration –

Each server shall be Listed Information Technology Equipment in accordance with UL 60950 and/or UL 62368. Each server shall be duplicated and shall employ the following minimum hardware and software specifications.

Processor Intel® Xeon®, 2.6GHz, 4 cores

RAM 8GB

Storage 1TB

CD or DVD Drive Optional

Ports One USB Type A or Type C

Network Adapter Gigabyte Ethernet network card (IEEE 802.3)

Operating System Ubuntu 20.04 LTS

2) Networking Equipment Minimum Configuration –

All network switches, routers, hubs, and the like, shall be Listed Information Technology Equipment in accordance with UL 60950 and/or UL 62368.

Conditions of Approval:

1. All uses, configurations, arrangements and functions, applications and installations shall comply with the provisions of New York City Construction Codes, specifically Building Code Chapter 9 & 1RCNY §3616-04. Further, the installation shall be in accordance with applicable provisions of New York City Fire Code, New York City Electrical Code, manufacturer's installation requirements, and UL Standard 864.

2. When used with a central office control communicator or a transmitter, the installation and operation of the equipment and devices shall comply with 3RCNY §901-01. It shall have the capability of transmitting separate and distinct signals to indicate manual pull station alarm, automatic detection alarm, sprinkler waterflow alarm, supervisory signal indications, and trouble indications.

3. The failure to transmit the signal to central station shall be announced at protected premises FACP by audio and visual means.

4. Interconnections between elements of transmitting equipment, including any antennas, shall be supervised to cause an indication of failure at the protected premises and transmit a trouble signal to the central station. If elements of transmitting equipment are physically separated, the wiring or cabling between them shall be protected by conduit.

5. The maximum time between initiating of an alarm signal at the protected premises, transmission of the signal, and subsequent display and recoding at the central station shall not exceed 90 seconds as per 26.6.3.3.2.2 of NFPA-72-2010.



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6. The approved central station shall operate in full compliance with requirements of 26.3.7 of NFPA-72-2010.
7. All applicable requirements of Federal Communications Commission (FCC) shall be complied with.
8. The above referenced fire alarm equipment shall be used only with listed fire alarm equipment and devices, with which the compatibility has been determined by UL listing report
9. Underwriters Laboratories, Inc. listing requirements and limitations shall be complied with.
10. All installations are subject to inspection, test, and approval from Fire Alarm Inspection Unit (FAIU).
11. Any change in Central Station communication service provider shall be reported to FAIU and is subject to re-inspection, test, and approval.
12. Certificate of Approval number shall be plainly and permanently stamped or otherwise fixed upon each product by the applicant.
13. The Fire Department's conditions of approval shall be enumerated in the installation manuals and brochures that will be provided to all New York City buyers and users.
14. Fire Department Certificate of Approval does not constitute an endorsement or recommendation of your product by the Fire Department, but is a certification that your product is acceptable as of the date of issuance.
15. The Fire Department reserves the right to withdraw this approval at any time in the event there is a reasonable doubt that the product does not operate or perform as required by code, the conditions of this resolution or as represented in your application.
16. As the manufacturer of this product, you should be aware that any end user who fails to comply with the condition as outlined in the approval would be subject to enforcement action, which may include fines and imprisonment.
17. This Certificate of Approval does not grant the right to use any trademark associated with the New York City Fire Department (the letters FDNY, the FDNY Shield design, the FDNY Maltese Cross design, and the seal of the City of New York). The unauthorized use of trademarks in connection with the sale of commercial goods or services violates federal and state laws.
18. Products marked to indicate the Certificate of Approval number might refer to the "NYC Fire Department" or "NYC Fire Dept." (e.g., "NYC Fire Dept. Certificate of Approval 2023-TMCOAP-002520-CERT).

Any change in company name or ownership, product name, design or model number of any product included on this certificate must be immediately reported to this Department in writing.

When responding to this Department regarding this subject matter, kindly refer to 2023-TMCOAP-002520-CERT, 9 MetroTech Center, #15-65-K, phone (718) 999-1954; e-mail: chouchi@fdny.nyc.gov

Very truly yours,
Igor Chouchereba
Supervisor of Electrical Installation, II
Technology Management

By Order of,
Chief of Fire Prevention