FDNY

BUREAU OF FIRE PREVENTION
9 Metro Tech Center, 3rd Floor
Brooklyn ,NY,11201

To: John Turner

From: Fire Department

Date: May 21, 2026

Record ID: **2025-TMFRAL-007143-VRNC**

Premise Address: **CITYWIDE**

BIN: N/A

Application Type: Fire Alarm Variance

Result: **Conditional Letter of Acceptance**

Re: Requesting approval to recognize MIX Networks as a Managed Facilities Voice Networks (MFVN)

Dear Mr. Turner,

The Bureau of Fire Prevention acknowledges receipt of your application and supporting documentation.

You are requesting a determination that MIX Networks as a Managed Facilities Voice Networks (MFVN) and related equipment utilized by these services for transmitting fire alarm signals to approved central stations.

You have indicated that these services and related equipment meet the following minimum requirements as indicated in our Office of Technology Management's FA-12 MFVN Certification Form:

- Equivalent to dialing, dial plan, call completion, carriage of signals and protocols, and loop voltage.
- Loop start telephone circuit service interface.
- Pathway reliability that is assured by proactive management, operation, and maintenance.
- 8 hours of standby power supply capacity for all MFVN equipment located at the protected premises or field deployed. The MFVN equipment monitors the condition of the standby battery to permit the communications service provider to take appropriate action.
- 24 hours standby power for MFVN communications equipment located at the communications service provider's central office.
- Installation of network equipment at the protected premises with safeguards to prevent unauthorized access to the equipment and its connections.

- Valid authorization to operate in the City of New York as per subsection 3.2 of Technology Management Bulletin # 03-2/2012.

In addition, to the requirements set forth in the FA-12 form, you have indicated that you meet the following standards as required:

1) MIX Networks will monitor the condition of the Network equipment, security, connectivity, registration, and standby battery status to allow MIX Networks to take proper action including proactive notification of operational changes of state.
2) Supplying real-time transmission of voice and real-time transmission of signals that carry fire alarm industry standard alarm formats unchanged.
3) Supplying network security, system disaster recovery plans to address individual customer outages including network power restoration procedures.
4) Individual device control provided by a highly secure remote management platform including managed password protection and authentication.
5) A network managed firmware environment complete with multifactor authentication, source control, multifactor authentication, a robust merge security policy, password and IP lockout against brute force capabilities.
6) Overall security is provided through configuration with TLS encryption, end user customized firewalls, and default configurations to prevent remote access to unauthorized ports.
7) Secure SIP (TLS) support is standard as is device UI HTTPS security.
8) "MIX Networks' data centers in Dallas, Secaucus, Las Vegas, Lakeland, and Ashburn are housed within hardened colocation facilities, each equipped with redundant utility feeds, battery arrays, and diesel generator backups. These systems provide a minimum of 24 hours of sustained operation, with auto-start generators and N+1 power designs that meet or exceed telco-grade uptime standards. Environmental monitoring, power quality sensors, and site-level failover policies ensure that no single point of failure exists in the MFVN path."

In addition, you have demonstrated that MIX Networks DataRemote 90X1 and 90X2 addresses and satisfies references contained in 2016 NFPA 72, Chapter 26.6 and exceeds NFPA 72, 2025 technical requirements and provide options for primary and secondary pathways supplying both Cellular Carrier capabilities as well as Wide Area Network (WAN) capabilities.

Based on the submitted documentation you have submitted explaining MIX Networks as a Managed Facilities Voice Network, your application is **conditionally accepted** utilizing the following models only: DataRemote 90X1 and 90X2

This approval remains valid until the promulgation of NYC Fire Code or Rules requiring a Certificate of Approval for communications equipment utilized by MFVNs for fire alarm transmission.

If the equipment identified in this approval is changed, a new variance approval must be submitted, and an inspection of the system's functionality by the Fire Alarm Inspection Unit will be required

In the interest of public safety, the Fire Commissioner may revoke, modify, or require additional safeguards not expressed in this letter. Refer to FDNY Record ID when contacting the Technology Management Unit to discuss any matter related to this plan review.

By Order of,
Chief of Fire Prevention