



File: ULC Subject S301, S302, S304, S559 & S561  
G.5.2, CCF 7

September 20, 2017

## CERTIFICATION BULLETIN 2017-02A

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### Managed Facilities-Based Voice Network (MFVN) Services

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**To:** Members of the ULC Advisory Committee  
Listees of Burglary Protection Service Certificate Programs (CPVXC, CPWFC, CRXXC & CRYHC)  
Listees of S304 (AMCXC)  
Listees of Protective Signaling Service Certificate Program (DAYIC & DAYYC)  
Listees of S559 (DAYRC)  
Others Interested

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This Bulletin is in continuation to ULC Certification Bulletin 2017-02 issued on June 15, 2017. Based on industry feedback, we are clarifying the 6 hour testing requirement for MFVN digital services (\*). This Bulletin 2017-02A supersedes Bulletin 2017-02.

ULC periodically reviews its programs and services. As a result of comments received from our Technical Committees and applicable industry interests regarding the subject item, the ULC Fire and Security Systems Group has determined a need for the following changes in the Intrusion Alarm Systems and Protective Signaling Systems Certificate Services Programs.

Effective immediately, based on the recommendations of the ULC – MFVN Technical Task Group Meeting of September 27, 2016, the ULC Fire and Security Systems Group is accepting the use of MFVN digital telephone services for connection of digital dialer transmitters ULC listed to be connected to the public switched telephone network communication system.

The ULC Fire And Security Systems Group has accepted the ULC – MFVN Technical Task Group's recommended definitions for MFVN and PSTN as follows:

**MFVN Definition:**

Managed Facilities-Based Voice Network (MFVN). A physical facilities-based network capable of transmitting real time signals with formats unchanged that is managed, operated, and maintained by the service provider to ensure service quality and reliability from the subscriber location to public switched telephone network (PSTN) interconnection points or other MFVN peer networks.

**PSTN Definition:**

Public Switched Telephone Network (PSTN). An assembly of communications equipment and telephone service providers that utilize managed facilities-based voice networks (MFVN) to provide the general public with the ability to establish communications channels via discrete dialing codes.

The above clearly confirm that the MFVN services form part of the PSTN.

Additionally, in that the MFVN communication channel technologies available are not provided with 24 hour standby power on the equipment and facilities used between the premises and the signal receiving center, it is required that for passive communication channels used in monitored protective signaling system installations, that the testing time of the passive communication channels should be reduced from the current **24 hours to 6 hours** to better ensure that the system and communication channels are operating in their intended manner to reduce the life safety risk.

(\*) The 6 hour testing requirement for MFVN digital services used as a passive channel on ULC Certificated system installations will be applied by the ULC FSSG as follows:



- 1) Effective immediately for systems installed on, or after, the subject Bulletin date of Sept 20, 2017, noncompliance found during an audit would result in an Item of Non-conformance being issued.
- 2) Effective upon the annual inspection date for existing systems installed before the subject Bulletin date of Sept 20, 2017, noncompliance found during an audit would result in an Item of Observation being issued. However, noncompliance found during an audit after the system's post Bulletin annual inspection would result in an Item of Non-conformance being issued.

A change in testing frequency for intrusion alarm systems is not being required due to the many different levels of line security options available for these system types, which should be applied based on communication supervision needs for each installation.

These program changes will become effective immediately.

For additional information please contact Alan Cavers of the ULC Fire & Security Systems Group. Al can be reached at Tel: (416) 757-5250 Ext.61207 or e-mail: [trt.certificate@ul.com](mailto:trt.certificate@ul.com).

Sincerely,

**Underwriters Laboratories of Canada Inc.**

A handwritten signature in black ink, appearing to read 'G. Paintal', is written over a horizontal line.

**Gunsimar Paintal**  
Regional Manager – Accreditations & Quality  
ULC Mark Program Owner