Agenda
Technical Committee on Premises Security (PMM-AAA)
NFPA 730/731 First Draft Meeting (F2022 Cycle)
Virtual Meeting
April 13, 2021

Item 21-4-1 Call to Order

Item 21-4-2 Roll Call and Introductions

Item 21-4-3 Approval of Meeting Agenda

Item 21-4-4 Approval of Second Draft Mtg Minutes - March 28, 2019

Item 21-4-5 Staff/Chair Remarks

Item 21-4-6 Task Group Reports

Item 21-4-7 Public Inputs and First Revisions

Item 21-4-8 Old Business

Item 21-4-9 New Business

Item 21-4-10 Review Dates and Times for Future Meetings/Conference Calls

Item 21-4-11 Adjournment and Closing Remarks

Address List No Phone

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Principal: Michael Tierney

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Richard J. Roux 8/7/2011
Staff Liaison **PMM-AAA**
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Meeting Minutes of the
Technical Committee on Premises Security
Second Draft Meeting
Quincy, MA (web meeting)
March 28, 2019

Item 19-3-1 Call to Order

James Simpson, Chair, called the meeting to order at 10:00 AM.

Item 19-3-2 Roll Call and Introductions

As the meeting was facilitated from NFPA HQ, some TC members attended in person while others attended/participated remotely via Adobe Connect. The following TC members were present:

James P. Simpson (P)	International Brotherhood of Electrical Workers
Randall I. Atlas (P)	Atlas Safety & Security Design, Inc.
Louis Chavez (P)	UL LLC
Stephen B. Coppola (P)	The Monitoring Association
Jerry D. Loghry (P)	EMC Insurance Companies
Scott Lord (P)	Partner Alliance for Safer Schools
Anthony Mucci (P)	Johnson Controls
James Murphy (P)	Vector Security Inc.
Robert H. Stagg (P)	Guardsmark, LLC
Michael Tierney (P)	Builders Hardware Manufacturers Association
William F. Wayman, Jr. (P)	JENSEN HUGHES
Shane M. Clary (A)	The Monitoring Association
Mark A. Farus (A)	Siemens Industry, Inc.
Bruce E. Johnson (A)	UL LLC
Rick D. Sheets (A)	Electronic Security Association
James M Wenck (A)	GHD

The following guests were present:
None

The following NFPA Staff were present:
Richard J. Roux
Michael McCabe

Item 19-3-3 Approval of Meeting Agenda

It was moved, seconded and voted unanimously affirmative that the meeting agenda be approved.

Item 19-3-4 Approval of Meeting Minutes

It was moved, seconded and voted unanimously affirmative that the minutes of the May 15 – 16, 2018 TC First Draft Meeting be approved.

Item 19-3-5 Staff/Chair Remarks

Chair Simpson thanked all for serving on this NFPA committee, their review work in preparation for this meeting and their participation at this meeting. Staff presented the opening PowerPoint presentation.

Item 19-3-6 Task Group Reports and any Outstanding Task Group Actions

At the beginning of the cycle, the Chair had assigned six (6) Task Groups for the purpose of reviewing the Public Inputs/Comments in preparation for the FDM and SDM. They were: Definitions, MOS, Transitions, References, New Input and PoE Task Groups. As there were only a few Public Comments, only two (2) Task Groups were utilized in preparation for the Second Draft Meeting: Transitions and PoE.

Item 19-3-7 Public Comments and Second Revisions

At the SDM, Public Comments were reviewed and processed.

NFPA 730 2 Public Comments
NFPA 731 8 Public Comments

Item 19-3-8 Retirement of Task Groups

The following Task Groups were retired with thanks as their work is completed for the 2020 document:

a)	Definitions	Dan Finnegan (C), Tony Mucci
b)	MOS	George Bish (C), Stephen Coppola
c)	Transitions	Scott Lord (C), Tony Mucci, Jim Murphy, Mark Morrison
d)	References	Lou Chavez (C), Michael Tierney, Bruce Johnson
e)	New Input	Jerry Loghry/Jim Tosh (C), Barry Stanford, Bruce Johnson
f)	PoE	Tony Mucci (C), Lou Chavez, Jim Murphy, George Bish, Doug Bassett, Shane Clary, C Nance, C Jones

Four (4) other Task Groups had previously been retired:

g.)	Standby requirements	Lou Chavez (C), George Bish, Charles Hahl, Tony Mucci, Kevin Patterson, Bill Wayman
h.)	IP Video Surveillance	Scott Lord (C), Randy Atlas, Lou Chavez, Mark Morrison, Bill Wayman
i.)	NFPA Active Shooter	Jim Simpson (C), Randy Atlas, Lou Chavez, Scott Lord, Bill Wayman
j.)	Barricades-the future	Scott Lord (C), Randy Atlas, Lou Chavez, Shane Clary, Charles Hahl, Jerry Loghry, Jim Simpson, Bill Wayman

Item 19-3-9 Task Groups

One (1) Task Group was established by the Chair:

1) TG on NFPA 730/731 Annexes
Members include: Scott Lord (C), Randy Atlas, Lou Chavez, Shane Clary, Jerry Loghry, Mark Morrison, Tony Mucci, Jim Murphy
Scope: TG to review the following annexes of the 2020 edition, discuss and provide input to the TC via Public Inputs by the PI close date providing any edits for technical update, reference update and extract correlation between the two documents.
The Technical Committee intends to apply consistency usage to correlate the annexes:
a) NFPA 731 Annex D is an extract of NFPA 730 Annex B, Homeland Security Advisory System
b) NFPA 731 Annex E is an extract of NFPA 730 Annex C, Critical Infrastructure Protection
c) NFPA 731 Annex F is an extract of NFPA 730 Annex D, Special Events
d) NFPA 731 Annex G is an extract of NFPA 730 Annex E, Special Topics

Item 19-3-10 Old Business

None

Item 19-3-11 New Business

None

Item 19-3-12 Review Dates and Times for Future Meetings/Conference Calls

TBD

Item 19-3-13 Adjournment and Closing Remarks

The Chair thanked all for their preparation and participation. The meeting was adjourned on 12:20 PM.

Respectfully Submitted,
Richard J. Roux
Staff Liaison

Public Input No. 4-NFPA 730-2020 [Global Input]

Suggest the TC consider changing the document from a Guide to a Standard.

Statement of Problem and Substantiation for Public Input

As society has a greater and greater focus on addressing security issues, local jurisdictions will be looking for guidance that can be adopted or referenced in their local codes. Since the document is currently written as a guide, the language does not fill the need for a document that can be enforced via adoption. This PI suggest the TC move the document to a standard and then relocate the recommended text to Annex material. This would fulfill the need for an enforceable document and ensure the best practices are not lost either. In addition, there may be a gap that a standard could fill a referenced document to other NFPA or ICC documents. As a guide, that is not possible.

Submitter Information Verification

Submitter Full Name: Anthony Apfelbeck
Organization: Altamonte Springs Building/Fire Safety Department
Street Address:
City:
State:
Zip:
Submittal Date: Thu Jul 16 08:28:55 EDT 2020
Committee:

Public Input No. 5-NFPA 730-2021 [Global Input]

Remove “Standard for” from all UL standard Titles

Statement of Problem and Substantiation for Public Input

The term “Standard for” is redundant and unnecessary. All references to UL are standards.

Related Public Inputs for This Document

Related Input	Relationship
Public Input No. 6-NFPA 730-2021 [Section No. 2.3.2]	
Public Input No. 7-NFPA 730-2021 [Section No. E.4.4.1]	

Submitter Information Verification

Submitter Full Name: Kelly Nicolello
Organization: UL LLC
Street Address:
City:
State:
Zip:
Submittal Date: Mon Jan 04 13:14:03 EST 2021
Committee:

Public Input No. 2-NFPA 730-2020 [New Section after 1.4.2]

TITLE OF NEW CONTENT

1.4.3 When an existing non-compliant building or site is altered, the alteration should incorporate compliance with the provisions of this guide.

Statement of Problem and Substantiation for Public Input

In chapter 1, this guide does not currently provide any direction as to the need to attempt to make existing buildings compliant with the guide when alterations occur. This is a reasonable expectation and this type of direction should be included to the user.

Submitter Information Verification

Submitter Full Name: Anthony Apfelbeck
Organization: Altamonte Springs Building/Fire Safety Department
Street Address:
City:
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Submittal Date: Thu Jul 16 08:14:06 EDT 2020
Committee: PMM-AAA

Public Input No. 3-NFPA 730-2020 [New Section after 1.4.2]

TITLE OF NEW CONTENT

1.4.3 Where existing buildings and installations do not comply with this guide, improvements to comply with this guide should be implimented when the improvments are readily achievable.

Statement of Problem and Substantiation for Public Input

The current 1.4.2 appears to provide an exemption to the current 1.4.1. Section 1.4.1. states it applies to existing buildings but then 1.4.2 states existing buildings that are non-compliant can remain in service. There needs to be some additional guidance by the TC in this area. The suggested language in this PI is meant to provide that guidance in that efforts should be made to make existing buildings and site compliant.

Submitter Information Verification

Submitter Full Name: Anthony Apfelbeck
Organization: Altamonte Springs Building/Fire Safety Department
Street Address:
City:
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Zip:
Submittal Date: Thu Jul 16 08:19:50 EDT 2020
Committee: PMM-AAA

Public Input No. 6-NFPA 730-2021 [Section No. 2.3.2]

2.3.2 UL Publications.

Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

UL 294, ~~*Standard for*~~ *Access Control System Units*, ~~2013~~ 2018 .

UL 305, ~~*Standard for*~~ *Panic Hardware*, ~~1997, revised~~ 2012.

UL 437, ~~*Standard for*~~ *Key Locks*, 2013, revised 2017 .

UL 768, ~~*Standard for*~~ *Combination Locks*, 2013, revised 2018 .

UL 1034, ~~*Standard for*~~ *Burglary-Resistant Electric Locking Mechanisms*, ~~2011~~ 201, revised 2020 .

UL 2802, ~~*Standard for*~~ *Performance Testing of Camera Image Quality*, 2013, revised 2019 .

UL 2058, *Outline of Investigation for High-Security Electronic Locks*, 2005.

Statement of Problem and Substantiation for Public Input

UL Standard edition update.

Related Public Inputs for This Document

Related Input	Relationship
Public Input No. 5-NFPA 730-2021 [Global Input]	
Public Input No. 7-NFPA 730-2021 [Section No. E.4.4.1]	

Submitter Information Verification

Submitter Full Name: Kelly Nicolello
Organization: UL LLC
Street Address:
City:
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Zip:
Submittal Date: Wed Jan 06 14:52:40 EST 2021
Committee: PMM-AAA

Public Input No. 1-NFPA 730-2020 [Section No. 4.5]

4.5 System Design and Installation.

Any security system, building service equipment, feature of protection, software or safeguard provided for security should be designed, installed, updated and approved in accordance with applicable adopted codes and standards, including NFPA 731, the manufacturer's specifications, applicable UL standards, the AHJ, and nationally recognized industry standards, guides, and practices.

Statement of Problem and Substantiation for Public Input

Software is a fundamental characteristic of security systems. This document should identify this characteristic, to be continually updated and upgraded.

Submitter Information Verification

Submitter Full Name:	Michael Anthony
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Submittal Date:	Wed Apr 08 11:24:48 EDT 2020
Committee:	PMM-AAA

Public Input No. 7-NFPA 730-2021 [Section No. E.4.4.1]

E.4.4.1

The teller's holdup alarm in a bank is a common example of an emergency alarm. Based on a risk analysis, emergency alert alarms should be considered for use at medical treatment facilities, personnel counseling or interview offices, credit unions, cash-handling activities, and other high-risk areas. The type and location of the device should be selected carefully to ensure the device is readily available for surreptitious activation in an emergency. If there is a building security force, a silent alarm should annunciate at the dispatch point. If not, the alarms can be transmitted directly to a monitoring station location or directly connected to local police. Holdup alarm units should be listed to UL 636, ~~*Standard for*~~ *Holdup Alarm Units and Systems* *or UL 2610 Commercial Premises Security Alarm Units and Systems* . .

Statement of Problem and Substantiation for Public Input

UL 2610 Commercial Premises Security Alarm Units and Systems is added to the section because UL 636 is now a legacy document. UL 636 has been absorbed into UL 2610 Commercial Premises Security Alarm Units and Systems for all new listings. Since all exiting equipment listings are Listed to UL 636 and all new equipment will be listed to UL 2610, which incorporated UL 636, both standards should be referenced in the section.

Related Public Inputs for This Document

Related Input	Relationship
Public Input No. 5-NFPA 730-2021 [Global Input]	
Public Input No. 6-NFPA 730-2021 [Section No. 2.3.2]	
Public Input No. 8-NFPA 730-2021 [Section No. G.1.2.7]	

Submitter Information Verification

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Submittal Date: Wed Jan 06 15:01:40 EST 2021
Committee: PMM-AAA

Public Input No. 8-NFPA 730-2021 [Section No. G.1.2.7]

G.1.2.7 UL Publications.

Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

UL 294, ~~*Standard for*~~ *Access Control System Units*, 2013, revised 2015.

UL 437, ~~*Standard for*~~ *Key Locks*, 2013.

UL 606, ~~*Standard for*~~ *Linings and Screens for Use with Burglar-Alarm Systems*, 1999, revised 2006.

UL 608, ~~*Standard for*~~ *Burglary Resistant Vault Doors and Modular Panels*, 2004, revised 2017.

UL 634, ~~*Standard for*~~ *Connectors and Switches for Use with Burglar-Alarm Systems*, 2007, revised 2015.

UL 636, ~~*Standard for*~~ *Holdup Alarm Units and Systems*, 1996, revised 2013.

UL 639, ~~*Standard for*~~ *Intrusion-Detection Units*, 2007, revised 2018.

UL 681, ~~*Standard for*~~ *Installation and Classification of Burglar and Holdup Alarm Systems*, 2014.

UL 687, ~~*Standard for*~~ *Burglary-Resistant Safes*, 2011, revised 2015.

UL 752, ~~*Standard for*~~ *Bullet-Resisting Equipment*, 2005, revised 2015.

UL 768, ~~*Standard for*~~ *Combination Locks*, 2006, revised 2013.

UL 972, ~~*Standard for*~~ *Burglary Resisting Glazing Material*, 2006, revised 2015.

UL 1034, ~~*Standard for*~~ *Burglary-Resistant Electric Locking Mechanisms*, 2011, revised 2015.

UL 2058, *Outline of Investigation for High-Security Electronic Locks*, 2005.

UL ~~Burglary Protection Equipment Directory, http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm.UL Security Equipment Directory, http://database~~ 2610, Commercial Premises Security Alarm Units and Systems, 2018, revised 2020.

Security and Burglary Protection Equipment https://www .ul.com/~~cgi-bin~~ resources /~~XYV/template/LISEXT/1FRAME/index.htm.~~ apps/product-iq

Statement of Problem and Substantiation for Public Input

UL Standard edition update. The Security Equipment Directory and the Security Equipment Directory are no longer produced in print but are available in UL's Resource Database. UL 2610 Commercial Premises Security Alarm Units and Systems is added to the reference listing because it is added to Section E.4.4.1.

Related Public Inputs for This Document

Related Input	Relationship
Public Input No. 7-NFPA 730-2021 [Section No. E.4.4.1]	

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Committee:	PMM-AAA

Public Input No. 21-NFPA 731-2021 [Global Input]

Remove “Standard for” from all UL standard Titles

Statement of Problem and Substantiation for Public Input

The term “Standard for” is redundant and unnecessary. All references to UL are standards.

Submitter Information Verification

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Committee:

Public Input No. 2-NFPA 731-2020 [New Section after 1.2.1]

Cyber Security

This standard addresses the integrity and reliability of cyber intrusion protection for equipment or systems network connected to the Internet of Things (IoT).

Statement of Problem and Substantiation for Public Input

Cyber security is a growing concern and needs to be highlighted and needs its own section.

Submitter Information Verification

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Organization: Johnson Controls
Affiliation: ESA - Electronic Security Association
Street Address:
City:
State:
Zip:
Submittal Date: Tue Nov 10 10:37:42 EST 2020
Committee: PMM-AAA

Public Input No. 1-NFPA 731-2020 [Section No. 1.2.1]

1.2.1

The purpose of this standard is to define the means of signal initiation, transmission, notification, and annunciation; the levels of performance; and the reliability of premises security systems. ~~- This standard addresses the integrity and reliability of cyber intrusion protection for equipment or systems network connected to the Internet of Things (IoT).~~

Statement of Problem and Substantiation for Public Input

Modifying this section to conform to manual of style and also highlight that cyber security is an issue that needs to be reviewed. By placing it in its own section it highlights this need.

Submitter Information Verification

Submitter Full Name: Rodger Reiswig
Organization: Johnson Controls
Affiliation: ESA - Electronic Security Association
Street Address:
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Zip:
Submittal Date: Tue Nov 10 10:33:06 EST 2020
Committee: PMM-AAA

Public Input No. 3-NFPA 731-2020 [Section No. 1.3.1]

1.3.1 Premises Security Systems.

Premises security systems shall include one or more of the following system types:

(1) Intrusion detection systems
(2) Access control systems
(3) Video surveillance systems
(4) Asset protection systems
(5) Environmental detection systems
(6) Holdup and duress systems
(7) Integrated systems
(8) Monitoring stations

Statement of Problem and Substantiation for Public Input

Updating the minimal list to reflect the content chapters as shown in the document. At a minimum all should be included.

Submitter Information Verification

Submitter Full Name: Rodger Reiswig
Organization: Johnson Controls
Affiliation: ESA - Electronic Security Association
Street Address:
City:
State:
Zip:
Submittal Date: Tue Nov 10 10:42:27 EST 2020
Committee: PMM-AAA

Public Input No. 4-NFPA 731-2020 [Section No. 1.3.5.1]

1.3.5.1 Electronic Hardware Components.

This standard applies to new installations and if applicable to renovations of premises security systems or their components installed for protection of building interiors, building perimeters, and surrounding property.

Statement of Problem and Substantiation for Public Input

NFPA 731 should also be used for renovation work, not just new systems.

Submitter Information Verification

Submitter Full Name: Rodger Reiswig
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Affiliation: ESA - Electronic Security Association
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Zip:
Submittal Date: Tue Nov 10 10:48:06 EST 2020
Committee: PMM-AAA

Public Input No. 5-NFPA 731-2020 [Section No. 1.3.5.3]

1.3.5.3 Software.

~~In this standard, software includes the system firmware~~ Programs, instruments, procedures, data, and the like that are executed by a central processing unit of a product and that influences the functional performance of that product. For the purpose of this Code, software is one of two types: executive software and site-specific software .

Statement of Problem and Substantiation for Public Input

Software comes in multi types and should be defined as such. There are also proposals to add definitions for executive software and site specific software.

Submitter Information Verification

Submitter Full Name: Rodger Reiswig
Organization: Johnson Controls
Affiliation: ESA - Electronic Security Association
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City:
State:
Zip:
Submittal Date: Tue Nov 10 10:52:21 EST 2020
Committee: PMM-AAA

Public Input No. 7-NFPA 731-2020 [Section No. 1.4.2]

1.4.2

Unless otherwise noted, it is not intended that the provisions of this standard be applied to facilities, equipment, structures, or installations that were existing or approved for construction or installation prior to the effective date and adoption of this standard.

Statement of Problem and Substantiation for Public Input

Just because a document has been published does not mean that it has been adopted by the local jurisdiction. The added language helps to clarify this.

Submitter Information Verification

Submitter Full Name: Rodger Reiswig
Organization: Johnson Controls
Street Address:
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Submittal Date: Tue Nov 10 10:59:18 EST 2020
Committee: PMM-AAA

Public Input No. 22-NFPA 731-2021 [Section No. 2.3.3]

2.3.3 UL Publications.

Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

UL 50, ~~*Standard for*~~ *Enclosures for Electrical Equipment, Non-Environmental Considerations*, 2015.

UL 50E, ~~*Standard for*~~ *Enclosures for Electrical Equipment, Environmental Considerations*, ~~2015~~ 2020 .

UL 294, ~~*Standard for*~~ *Access Control System Units*, ~~2013~~ 2018 .

UL 606, ~~*Standard for*~~ *Linings and Screens for Use with Burglar-Alarm Systems*, 1999, revised 2006.

UL 634, ~~*Standard for*~~ *Connectors and Switches for Use with Burglar-Alarm Systems*, 2007, revised ~~2014~~ 2020 .

UL 636, ~~*Standard for*~~ *Holdup Alarm Units and Systems*, 2013.

UL 639, ~~*Standard for*~~ *Safety for Intrusion-Detection Units*, 2007, revised ~~2011~~ 2019 .

UL 827, ~~*Standard for Central*~~ *Central -Station Alarm Services*, 2014, revised ~~2016~~ 2020 .

UL 1076, ~~*Standard for Proprietary*~~ *Proprietary Burglar Alarm Units and Systems*, ~~2010~~ 2018 .

UL 2044, ~~*Standard for*~~ *Commercial Closed-Circuit Television Equipment*, ~~2008, revised 2016~~ 2019.

UL 2610 *Commercial Premises Security Alarm Units and Systems , 2018, revised 2020* .

UL 2802, ~~*Standard for*~~ *Performance Testing of Camera Image Quality*, ~~2014~~ 2013, revised 2019 .

UL 2900-2-3, ~~*Outline of Investigation for*~~ *Software Cybersecurity for Network-Connectable Products, Part 2-3: Particular Requirements for Security and Life Safety Signaling Systems*, ~~2017~~ 2020 .

UL 60065, ~~*Standard for*~~ *Audio, Video and Similar Electronic Apparatus*, 2015, revised 2020 .

UL 60950-1, ~~*Standard for*~~ *Information Technology Equipment*, 2007, revised ~~2013~~ 2019 .

UL 60950-22, ~~*Standard for*~~ *Information Technology Equipment — Equipment to Be Installed Outdoors*, ~~2007~~ 2017 .

UL 62368-1 , ~~*Standard for*~~ *Audio/Video, Information and Communication Technology Equipment*, ~~2014~~ 2019 .

Statement of Problem and Substantiation for Public Input

UL Standard edition update and changed UL/ULC 2900 from an Outline of Investigation to a Standard and added UL 2610 which has absorbed UL 636 and 1076.

Related Public Inputs for This Document

Related Input	Relationship
Public Input No. 21-NFPA 731-2021 [Global Input]	
Public Input No. 23-NFPA 731-2021 [Section No. 8.1.1.1]	
Public Input No. 24-NFPA 731-2021 [Section No. 8.1.1.2]	
Public Input No. 25-NFPA 731-2021 [Section No. G.4.4.1]	

Public Input No. 26-NFPA 731-2021 [Section No. H.1.2.6]
Public Input No. 27-NFPA 731-2021 [Section No. H.2.2]

Submitter Information Verification

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Committee: PMM-AAA

Public Input No. 8-NFPA 731-2020 [Section No. 2.3.3]

2.3.3 UL Publications.

Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

UL 50, *Standard for Enclosures for Electrical Equipment, Non-Environmental Considerations*, 2015.

UL 50E, *Standard for Enclosures for Electrical Equipment, Environmental Considerations*, ~~2015~~ 2020 .

UL 294, *Standard for Access Control System Units*, ~~2013~~ 2018 .

UL 606, *Standard for Linings and Screens for Use with Burglar-Alarm Systems*, 1999, revised 2006.

UL 634, *Standard for Connectors and Switches for Use with Burglar-Alarm Systems*, 2007, revised 2014.

UL 636, *Standard for Holdup Alarm Units and Systems*, ~~2013~~ 2018 .

UL 639, *Standard for Safety for Intrusion-Detection Units*, 2007, revised 2011.

UL 827, *Standard for Central-Station Alarm Services*, 2014, revised 2016.

UL 1076, *Standard for Proprietary Burglar Alarm Units and Systems*, ~~2010~~ 2018 .

UL 2044, *Standard for Commercial Closed-Circuit Television Equipment*, ~~2008, revised 2016~~ 2019 .

UL 2802, *Standard for Performance Testing of Camera Image Quality*, 2014.

UL 2900-2-3, *Outline of Investigation for Software Cybersecurity for Network-Connectable Products, Part 2-3: Particular Requirements for Security and Life Safety Signaling Systems*, 2017.

UL 60065, *Standard for Audio, Video and Similar Electronic Apparatus*, 2015.

UL 60950-1, *Standard for Information Technology Equipment*, 2007, revised 2013.

UL 60950-22, *Standard for Information Technology Equipment — Equipment to Be Installed Outdoors*, ~~2007~~ 2017 .

UL 62368, *Standard for Audio/Video, Information and Communication Technology Equipment*, ~~2014~~ 2019 .

Statement of Problem and Substantiation for Public Input

Update to latest editions for those shown.

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Submittal Date: Tue Dec 08 08:38:29 EST 2020

Committee: PMM-AAA

Public Input No. 6-NFPA 731-2020 [New Section after 3.3.25]

Software

Executive Software. Control and supervisory program that manages the execution of all other programs and directly or indirectly causes the required functions of the product to be performed. Executive software is sometimes referred to as firmware, BIOS, or executive program.

Site-Specific Software. Program that is separate from, but controlled by, the executive software that allows inputs, outputs, and system configuration to be selectively defined to meet the needs of a specific installation. Typically it defines the type and quantity of hardware, customized labels, and the specific operating features of a system.

Statement of Problem and Substantiation for Public Input

Definitions for the types of software used should be defined.

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Committee: PMM-AAA

Public Input No. 9-NFPA 731-2021 [Section No. 4.4.2.3]

4.4.2.3

The location of the circuit disconnecting means shall be permanently identified ~~at~~ on the inside of the premises security control unit.

Statement of Problem and Substantiation for Public Input

This change is to secure the location of the circuit disconnecting means from the general public that may have access to the location where the security control unit is located.

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Committee: PMM-AAA

Public Input No. 10-NFPA 731-2021 [Section No. 4.4.3.4]

4.4.3.4

The secondary supply shall consist of one of the following:

(1) A storage battery dedicated to the premises security system arranged in accordance with 4.4.4

(2) An individual branch circuit of an automatic-starting engine-driven generator arranged in accordance with 4.4.5 and storage batteries dedicated to the premises security system with ~~15 minutes~~ 60 minutes of capacity under maximum alarm load

(3) An emergency generating system as defined in *NFPA 70*, Article 700

Statement of Problem and Substantiation for Public Input

The change from 15 minutes to 60 minutes is being made so as to prevent an unwanted alarm from occurring if the primary power is out and the generator is being serviced. Fifteen minutes is a rather short period of time.

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Committee: PMM-AAA

Public Input No. 11-NFPA 731-2021 [Section No. 4.4.3.5]

4.4.3.5*

The secondary supply shall have the capacity to operate a premises security system for ~~the longest time required by any of the following:~~

(1) ~~SVA (satisfies the needs determined)~~

(2) ~~System design~~

(3) ~~Manufacturer's published instructions~~

(4) ~~Other applicable standards~~

24 hours.

Statement of Problem and Substantiation for Public Input

This change is to require a minimum of 24 four hours of secondary power so as to prevent unwanted alarms should there be a power failure or the power to the system is inadvertently turned off.

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Public Input No. 12-NFPA 731-2021 [Section No. 5.3.3.1.9.4]

5.3.3.1.9.4

Motion detectors shall include, but not be limited to, the following:

(1) Two or more technologies combined in a single device

(2) ~~Microwave~~

(3) Passive infrared (PIR)

Statement of Problem and Substantiation for Public Input

Microwave by itself should not be used. It can cause unwanted alarms if not sited properly. It is also prone to environmental stimuli which can and does cause unwanted alarms.

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Public Input No. 13-NFPA 731-2021 [Section No. 6.1.1]

6.1.1 Equipment.

Electronic access control equipment shall be in compliance with applicable standards, such as UL 294, *Standard for Access Control System* ~~*Units*~~ *Units* and UL 294B, Standard for Safety Power Over Ethernet (PoE) Power Sources for Access Control Systems and Equipment .

Statement of Problem and Substantiation for Public Input

Access Control equipment using Power Over Ethernet (PoE) power sources has become a prevalent option throughout the security industry. Applicable standards must be referenced.

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Committee: PMM-AAA

Public Input No. 14-NFPA 731-2021 [Section No. 6.1.2]

6.1.2– _ **Premises** _ Interconnecting Control Units.

6.1.2.1

Control units, subcontrols, and devices that are used to interconnect the control unit to system devices shall be located within the protected premises.

6.1.2.2

If the enclosures for such equipment are not located in such an area, the enclosures shall be protected by one of the following methods:

(1) Continuously under the notice of assigned security personnel

(2) Located in an area that is accessible only to authorized personnel

(3) Supervised to annunciate tampering

Statement of Problem and Substantiation for Public Input

Access Control Software as a Service (SaaS) delivered to the end user via a subscription based service has become a popular option. A full range of access control solutions are available but at a much lower capital investment because it doesn't require all the system's intelligence at the protected premises. For this reason, requirement differences for Premises Interconnected Control Panels and Access Control Software as a Service (SaaS) must be clearly presented.

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Public Input No. 16-NFPA 731-2021 [New Section after 6.1.5]

6.1.4.8

Where biometrics are used, they must be implemented in accordance to local, state, and government data privacy provisions and laws.

Statement of Problem and Substantiation for Public Input

NOTE Tried to submit this to be at section 6.1.4.8 but Terra kept throwing it into this area, not sure what was happening but want to submit this as 6.1.4.8.

The current social and political environments are focused on safe and proper use of biometric data captured by security systems, with an extreme emphasis on data privacy. Growing amounts of activity at local, state, and federal levels with changing objectives and uncertain outcomes at this time makes it difficult to propose specific ubiquities requirements. However, awareness of the need to be aware must be presented.

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Public Input No. 17-NFPA 731-2021 [New Section after 6.3]

6.4 Access Control Software as a Service (SaaS)

6.4.1 Equipment Electronic access control equipment at the protected premises shall be in compliance with applicable standards, such as UL 294, Standard for Access Control System Units and UL 294B, Standard for Safety Power Over Ethernet (PoE) Power Sources for Access Control Systems and Equipment.

6.4.2 Interconnecting Devices.

6.4.2.1 Control units, subcontrols, and devices that are used to interconnect system devices to the SaaS service shall be located within the protected premises.

6.4.2.2 If the enclosures for such equipment are not located in such an area, the enclosures shall be protected by one of the following methods:

(1) Continuously under the notice of assigned security personnel

(2) Located in an area that is accessible only to authorized personnel

(3) Supervised to annunciate tampering

6.4.3 Portal . The portal shall be designed to comply with section 6.1.3

6.4.4 Reader .

Readers shall be mounted to comply with section 6.1.4

6.4.4.1 Credential Emulation. Where credentials are emulated using mobile applications and smart devices, the level of encryption shall comply with the applicable level prescribed by the AHJ.

6.4.5 Locking Systems.

Control of egress shall comply with the requirements of section 6.1.5

6.4.6 Position Sensor.

Where required, a position sensor shall comply with section 6.1.6

6.4.7 Portal Egress.

Portal Egress shall comply with section 6.1.7

6.4.8 Controllers.

Controllers shall comply with section 6.1.8

6.4.9 Power Supplies.

6.4.9.1 Power supplies shall meet the requirements of Section 4.4 and 6.1.9.

6.5 Administration Tools and Interface .

6.5.1 The configuration of the service and system operating parameters shall be in accordance with the facility requirements and subject to the approval of the AHJ.

6.5.2 System operating parameters shall be protected from unauthorized changes.

6.5.3 The operation of the electronic access control system shall be in compliance with the applicable fire and building codes.

6.5.4 The operation of the electronic access control system shall be in compliance with 4.1.3.

6.5.5 An electronic access control service and system shall be tested in accordance with Chapter 10.

6.5.6 The configuration of the service and system shall be compliant with a strong control framework in compliance with industry recognized standards such as SOC 1, SOC 2, ISO 27001, etc.

6.5.7 . The integrity of the service and system shall be compliant with UL Cyber Security Assurance UL-2900-1 Product Testing, UL-2900-2X Industry Product Testing, UL-2900-3 Organization & Process Testing.

Statement of Problem and Substantiation for Public Input

Access Control Software as a Service (SaaS) delivered to the end user via a subscription based service has become a popular option. A full range of access control solutions are available but at a much lower capital investment because it doesn't require all the system's intelligence at the protected premises. For this reason, requirement differences for Premises Interconnected Control Panels and Access Control Software as a Service (SaaS) must be clearly presented.

Related Public Inputs for This Document

Related Input	Relationship
Public Input No. 18-NFPA 731-2021 [New Section after A.6.3]	
Public Input No. 19-NFPA 731-2021 [New Section after A.7.2.3]	

Submitter Information Verification

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Submittal Date: Tue Jan 05 17:14:44 EST 2021
Committee: PMM-AAA

Public Input No. 20-NFPA 731-2021 [Section No. 7.1.1]

7.1.1

This section shall apply to the installation requirements for ~~closed-circuit television (CCTV) systems~~ video surveillance systems (previously referred to as "CCTV") and digital imaging systems.

Statement of Problem and Substantiation for Public Input

Technology has evolved to the point where viewing video is typically no longer "closed circuit". This language is added to better align with modern technology.

Submitter Information Verification

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Committee: PMM-AAA

Public Input No. 23-NFPA 731-2021 [Section No. 8.1.1.1]

8.1.1.1

The construction of holdup alarm initiating devices shall be in compliance with applicable standards, such as UL 636, ~~*Standard for*~~ *Holdup Alarm Units and Systems* or UL 2610 *Commercial Premises Security Alarm Units and Systems* . . .

Statement of Problem and Substantiation for Public Input

UL 2610 Commercial Premises Security Alarm Units and Systems is added to the section because UL 636 is now a legacy document. UL 636 has been absorbed into UL 2610 Commercial Premises Security Alarm Units and Systems for all new listings. Since all exiting equipment listings are Listed to UL 636 and all new equipment will be listed to UL 2610, which incorporated UL 636, both standards should be referenced in the section.

Related Public Inputs for This Document

Related Input	Relationship
Public Input No. 22-NFPA 731-2021 [Section No. 2.3.3]	
Public Input No. 24-NFPA 731-2021 [Section No. 8.1.1.2]	
Public Input No. 25-NFPA 731-2021 [Section No. G.4.4.1]	
Public Input No. 26-NFPA 731-2021 [Section No. H.1.2.6]	

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Submittal Date: Wed Jan 06 15:23:45 EST 2021
Committee: PMM-AAA

Public Input No. 24-NFPA 731-2021 [Section No. 8.1.1.2]

8.1.1.2

The construction of private duress alarm initiating devices shall be in compliance with applicable standards, such as UL 636, ~~*Standard for*~~ *Holdup Alarm Units and Systems* or UL 2610 *Commercial Premises Security Alarm Units and Systems* .

Statement of Problem and Substantiation for Public Input

UL 2610 Commercial Premises Security Alarm Units and Systems is added to the section because UL 636 is now a legacy document. UL 636 has been absorbed into UL 2610 Commercial Premises Security Alarm Units and Systems for all new listings. Since all exiting equipment listings are Listed to UL 636 and all new equipment will be listed to UL 2610, which incorporated UL 636, both standards should be referenced in the section.

Related Public Inputs for This Document

Related Input	Relationship
Public Input No. 23-NFPA 731-2021 [Section No. 8.1.1.1]	
Public Input No. 22-NFPA 731-2021 [Section No. 2.3.3]	
Public Input No. 25-NFPA 731-2021 [Section No. G.4.4.1]	
Public Input No. 26-NFPA 731-2021 [Section No. H.1.2.6]	

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Submittal Date: Wed Jan 06 15:26:23 EST 2021
Committee: PMM-AAA

Public Input No. 18-NFPA 731-2021 [New Section after A.6.3]

A.6.4.4.1 Network credentials that are emulated using mobile applications and smart devices that send data on-premises using wireless BLE/NFC/WIFI should use additional protection in the form of encryption. Current encryption schemes can be certified by the National Institute of Standards and Technology (NIST) in accordance with Federal Information Processing Standards (FIPS) 140-2, Security Requirements for Cryptographic Modules. Typically, encryption schemes used for security applications employ a minimum 256-bit algorithm. Access to the device containing the emulated credential should be protected using strong- password techniques.

Statement of Problem and Substantiation for Public Input

Access Control reader equipment using non-traditional methods for credentials have become a prevalent option throughout the security industry. Applicable standards must be referenced.

Related Public Inputs for This Document

Related Input	Relationship
Public Input No. 17-NFPA 731-2021 [New Section after 6.3]	New annex for new material submitted in PI 17

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Committee: PMM-AAA

Public Input No. 19-NFPA 731-2021 [New Section after A.7.2.3]

A.6.5.1 The system operating parameters can be based on an SVA of the protected premises.

Statement of Problem and Substantiation for Public Input

Access Control Software as a Service (SaaS) delivered to the end user via a subscription-based service has become a popular option. A full range of access control solutions are available but at a much lower capital investment because it doesn't require all the system's intelligence at the protected premises. For this reason, requirement differences for Premises Interconnected Control Panels and Access Control Software as a Service (SaaS) must be clearly presented.

Related Public Inputs for This Document

Related Input	Relationship
Public Input No. 17-NFPA 731-2021 [New Section after 6.3]	New annex for new section from PI 17

Submitter Information Verification

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Public Input No. 25-NFPA 731-2021 [Section No. G.4.4.1]

G.4.4.1

The teller's holdup alarm in a bank is a common example of an emergency alarm. Based on a risk analysis, emergency alert alarms should be considered for use at medical treatment facilities, personnel counseling or interview offices, credit unions, cash-handling activities, and other high-risk areas. The type and location of the device should be selected carefully to ensure the device is readily available for surreptitious activation in an emergency. If there is a building security force, a silent alarm should annunciate at the dispatch point. If not, the alarms can be transmitted directly to a monitoring station location or directly connected to local police. Holdup alarm units should be listed to UL 636, ~~*Standard for*~~ *Holdup Alarm Units and Systems* *or UL 2610 Commercial Premises Security Alarm Units and Systems* . [**730:**E.4.4.1]

Statement of Problem and Substantiation for Public Input

UL 2610 Commercial Premises Security Alarm Units and Systems is added to NFPA 730, This public input is provided to update the extract upon approval by the PI in NFPA 730. UL 636 is now a legacy document. UL 636 has been absorbed into UL 2610 Commercial Premises Security Alarm Units and Systems for all new listings. Since all exiting equipment listings are Listed to UL 636 and all new equipment will be listed to UL 2610, which incorporated UL 636, both standards should be referenced in the section.

Related Public Inputs for This Document

Related Input	Relationship
Public Input No. 24-NFPA 731-2021 [Section No. 8.1.1.2]	
Public Input No. 23-NFPA 731-2021 [Section No. 8.1.1.1]	
Public Input No. 22-NFPA 731-2021 [Section No. 2.3.3]	
Public Input No. 26-NFPA 731-2021 [Section No. H.1.2.6]	
Public Input No. 27-NFPA 731-2021 [Section No. H.2.2]	

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Public Input No. 26-NFPA 731-2021 [Section No. H.1.2.6]

H.1.2.6 UL Publications.

Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

UL 294, ~~*Standard for* Access Control System Units~~, ~~2013, revised 2015~~ 2018 .

UL 437, ~~*Standard for* Key Locks~~, 2013, revised 2017 .

UL 606, ~~*Standard for* Linings and Screens for Use with Burglar-Alarm Systems~~, 1999, revised 2006.

UL 608, ~~*Standard for* Burglary Resistant Vault Doors and Modular Panels~~, 2004, revised 2012.

UL 634, ~~*Standard for* Connectors and Switches for Use with Burglar-Alarm Systems~~, 2007, revised ~~2015~~ 2020 .

UL 636, ~~*Standard for* Holdup Alarm Units and Systems~~, 1996, revised 2013.

UL 639, ~~*Standard for* Intrusion-Detection Units~~, 2007, revised ~~2012~~ 2019 .

UL 681, ~~*Standard for* Installation and Classification of Burglar and Holdup Alarm Systems~~, 2014, revised 2018 .

UL 687, ~~*Standard for* Burglary-Resistant Safes~~, 2011, revised 2019 .

UL 752, ~~*Standard for* Bullet-Resisting Equipment~~, 2005, revised 2013.

UL 768, ~~*Standard for* Combination Locks~~, 2006, revised ~~2013~~ 2018 .

UL 827, ~~*Standard for* Central-Station Alarm Services~~, 2014, revised ~~2015~~ 2020 .

UL 972, ~~*Standard for* Burglary Resisting Glazing Material~~, 2006, revised 2011.

UL 1034, ~~*Standard for* Burglary-Resistant Electric Locking Mechanisms~~, 2011, revised ~~2015~~ 2020 .

UL 1037, *Antitheft Alarms and Devices*, ~~1999~~ 2016 , revised ~~2009~~ 2017 .

UL 2058, *Outline of Investigation for High Security Electronic Locks*, 2005.

UL 2610 *Commercial Premises Security Alarm Units and Systems, 2018, revised 2020* .

UL 60950-1, ~~*Standard for* Information Technology Equipment — Safety — Part 1: General Requirements~~, 2007, revised ~~2013~~ 2019 .

Statement of Problem and Substantiation for Public Input

UL Standard edition update and adds UL 2610 which is added to the body of the code.

Related Public Inputs for This Document

Related Input	Relationship
Public Input No. 25-NFPA 731-2021 [Section No. G.4.4.1]	
Public Input No. 24-NFPA 731-2021 [Section No. 8.1.1.2]	
Public Input No. 23-NFPA 731-2021 [Section No. 8.1.1.1]	
Public Input No. 22-NFPA 731-2021 [Section No. 2.3.3]	
Public Input No. 27-NFPA 731-2021 [Section No. H.2.2]	

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Committee: PMM-AAA

Public Input No. 27-NFPA 731-2021 [Section No. H.2.2]

H.2.2 UL Publications.

Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

UL 1076, ~~*Standard for*~~ *Proprietary Burglar Alarm Units and Systems*, ~~1995, revised 2015~~ 2018 .

UL 1610, ~~*Standard for*~~ *Central-Station Burglar-Alarm Units*, ~~1998, revised 2015~~ 2016 .

UL 2017, ~~*Standard for*~~ *General-Purpose Signaling Devices and Systems*, 2008, revised ~~2011~~ 2018 .

Statement of Problem and Substantiation for Public Input

UL Standard edition update.

Related Public Inputs for This Document

Related Input	Relationship
Public Input No. 26-NFPA 731-2021 [Section No. H.1.2.6]	
Public Input No. 25-NFPA 731-2021 [Section No. G.4.4.1]	
Public Input No. 22-NFPA 731-2021 [Section No. 2.3.3]	

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