

National Fire Code Comparison

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NOTICE: This is a guideline only. Additional rules and more extensive details exist in the full codes.

ALWAYS USE PUBLISHED CODES !

Specification	CODE				
	IFC 2009 Section 510 Appendix J	IFC 2012 Section 510	NFPA 1 2009 Annex O	NFPA 5000 2009 Annex G	NFPA 72 2010 Chapter 24
Installation: Optional/Mandatory	Optional	Mandatory	Optional	Optional	Mandatory
New, Existing or Both	Both	Both	Both	Both	Both
Building type specification	none	none	High Rise 75'	no spec	no spec
Optional "automatic activation"	no spec	Yes	no spec	no spec	no spec
NEMA 4 enclosures	Yes	Yes	Yes	Yes	Yes
12 or 24 Hour back-up power	12	24	12	12	24
Signal Strength	-95 dBm	-95 dBm	-95 dBm	-95 dBm	-95 dBm
Must correct interference	no spec	no spec	Yes	Yes	Yes
Requires permits	Yes	Yes	Yes	Yes	Yes
Coverage	95%	95%	99% critical Areas 90% other areas	99% critical Areas 90% other areas	99% critical Areas 90% other areas
Antenna isolation	no spec	no spec	15 dB	15 dB	15 dB
Analog and digital modulation	no spec	no spec	Yes	Yes	Yes
Propagation delay specification provided	no spec	no spec	Yes	Yes	Yes
Component pre approval	no spec	no spec	Yes	Yes	Yes
ALL PS band devices need pre-approval	Yes	Yes	no spec	no spec	no spec
FCC Certified equipment only	Yes	Yes	Yes	Yes	Yes
External filters prohibited	Yes	Yes	Yes	Yes	Yes
Add/Change required frequencies	Yes	Yes	Yes	Yes	Yes

Alarms (all "supervised" type circuits)					
Antenna malfunction	no spec	no spec	Yes	Yes	Yes
Signal booster failure	Yes	Yes	Yes	Yes	Yes
Loss of AC power	Yes	Yes	Yes	Yes	Yes
Battery charger fail	Yes	Yes	Yes	Yes	Yes
70% battery capacity used.	no spec	no spec	Yes	Yes	Yes

Dedicated external alarm panel	no spec	no spec	Yes	Yes	Yes
Audible trouble alarm	Optional	Optional	no	no	no
Transmit alarms to central station	Yes	Yes	no spec	no spec	no spec
Grid type coverage test procedure	Yes	Yes	Yes	Yes	Yes
Minimum DAQ value per square	No	No	3.0	3.0	3.0
Minimum RF level per square	-95 dBm	-95 dBm	-95 dBm	-95 dBm	-95 dBm
Test records retained	Yes	Yes	Yes	Yes	Yes
Acceptance test required	Yes	Yes	Yes	Yes	Yes
Annual tests required	no spec	no spec	Yes	Yes	Yes
AHJ provides technical info	Yes	Yes	Yes	Yes	Yes
Compliance to FCC Rules required	Yes	Yes	Yes	Yes	Yes
Mandatory service contract	no	no	Yes	Yes	no
Personel Requirements					
FCC general radio operator license	Yes	Yes	Yes	Yes	no
Factory trained on equipment used	Yes	Yes	Yes	Yes	Yes
Certified or Licensed in technology	Yes	Yes	Yes	Yes	Yes