

IFC CODE REFERENCE	IFC - 2015	IFC - 2018	IFC - 2021
In-Building Solution Required	Sec. 510.1	Sec. 510.1	Sec. 510.1
Pathway Survivability for Coaxial Cable Required	Not Specifically Addressed in Section 510. Referenced in 2013 NFPA 72 Sec. 24.3.6.8	Yes. Section 510.4.2. Reference to NFPA 1221. ** Also see NFPA 1221 TIA 16-2.	Yes. Section 510.4.2. Reference to NFPA 1221.
Plenum Rated Coaxial Cable Required	Not Specifically Addressed in Section 510. Referenced in 2013 NFPA 72 Sec. 24.3.6.8	Yes. Section 510.4.2. Reference to NFPA 1221.	Yes. Section 510.4.2. Reference to NFPA 1221.
Lightning Protection Required	Not Specifically Addressed in 510.	Yes. Section 510.4.2. Per NFPA 780 as Reference in NFPA 1221.	Yes. Section 510.4.2. Reference to NFPA 1221 Sec. 9.6.3 Installed per NFPA 780.
Isolation of Donor Antenna Required	Not Specifically Addressed in Section 510.	Yes. 20 db – Sec. 510.4.2.4 (4)	Yes. 20 db – Sec 510.4.2.4 (4)
Battery Backup Required	24 Hours – Sec. 510.4.2.3	12 Hours – Sec. 510.4.2.3 or 2 – Hours Battery w/ Emergency Generator.	12 Hours – Sec. 510.4.2.3 or 2 – Hours Battery w/ Emergency Generator
Signal Strength & Area Coverage Required	-95 dBm – Sec. 510.4.1 95% General – Sec. 510.4.1 99% Critical – Not Specifically Addressed in Sec. 510	DAQ 3.0 – Sec. 510.4.1.1 95% General – Sec. 510.4.1 99% Critical – Sec. 510.4.2 Reference to NFPA 1221	DAQ 3.0 – Sec. 510.4.1.1 95% General – Sec. 510.4.1 99% Critical – Sec. 510.4.1
Monitoring By Fire Alarm Required	Not specifically addressed in Sec. 510 – See 2013 NFPA 72	Yes. Sec. 510.4.2.5	Yes. Sec. 510.4.2.5
Cabinets for Equipment & BBU Required	Yes. NEMA 4 – Sec. 510.4.2.4 (1) & (2)	Yes. NEMA 4/NEMA 3R – Sec. 510.4.2.4 (1) & (2)	Yes. NEMA 4/NEMA 3R – Sec. 510.4.2.4 (1) & (2)
Monitor Antenna Malfunction Required	Not Specifically Addressed in Section 510.	Yes. Donor Antenna – Sec. 510.4.2.4 (4)	Yes. Donor Antenna – Sec. 510.4.2.4 (4)
System Acceptance / Testing	Section 510.5.3	Section 510.5.3	New – Section 510.5.4 Annual – Section 510.6.1
Listing Equipment	Not Required by Section 510.	Not Required by Section 510.	Yes. Section 510.4
Mounting of Donor Antenna	Not Specifically Addressed.	Not Specifically Addressed.	Section 510.5.1