Harris Communications
Serving All Your DAS Coverage Needs

SAFER BUILDINGS COALITION™ MEMBER

IFC CODE REFERENCE	NFPA 72 – 2013	NFPA 1221 – 2016	NFPA 1221 – 2019
In-Building Solution Required	NFPA 1 Section 11.10	NFPA 1 Section 11.10	NFPA 1 Section 11.10
Pathway Survivability for Coaxial Cable Required	2 Hour for Riser Coaxial Cable – Sec. 24.3.6.8	2 Hour for Riser Coaxial Cable – Sec. 9.6.2.1.3	Backbone Cable Routed Through Enclusure Matching Bldgs. Fire Rating Sec. 9.6.2.3
Plenum Rated Coaxial Cable Required	Yes. Riser & Feeder Coaxial Cable Sec. 24.3.6.8	Yes. Riser & Feeder Coaxial Cable – Sec. 9.6.2.1.1.1	Yes. Backbone & Antenna Distribution Cables Sec. 9.6.2.1
Lightning Protection Required	Not addressed in Section 24.5.2	Yes. In accordance with NFPA 780 – Sec. 9.6.3	Yes. Section 9.6.3 Installed per NFPA 780
Isolation of Donor Antenna Required	Yes. 15 dB – Sec. 24.5.2.3.3	Yes. 20 dB – Sec. 9.6.9	Yes. 20 dB Above System Gain Sec. 9.6.9
Battery Backup Required	12 Hours – Sec. 24.5.2.5.5.2	12 Hours – Sec. 9.6.12.2	12 Hours Battery or Generator Section 9.6.12.2
Signal Strength & Area Coverage Required	-95 dBm – Sec. 24.5.2.3 90% General – Sec. 24.5.2.2.2 99% Critical – Sec. 24.5.2.2.1	DAQ 3.0 – Sec. 9.6.8 90% General – Sec. 9.6.7.5 99% Critical – Sec. 9.6.7.4	DAQ 3.0 – Sec. 9.6.8 90% General – Sec. 9.6.7.5 99% Critical – Sec. 9.6.7.3
Monitoring By Fire Alarm Required	Yes. Sec. 24.5.2.6	Yes. Sec. 9.6.13	Yes. Sec. 9.6.13 & Chapter 10 of NFPA 72.
Cabinets for Equipment & BBU Required	Yes. NEMA 4/NEMA 4X – Sec. 24.5.2.5.2	Yes. NEMA 4/NEMA 4X – Sec. 9.6.11.2	Yes. NEMA 4/NEMA 4X & NEMA 3R for Batteries Sec. 9.6.11.2
Monitor Antenna Malfunction Required	Yes. Donor Antenna – Sec. 24.5.2.6(2)(a)	Yes. Donor Antenna – Sec. 9.6.13.1(2)(a)	Yes. Donor Antenna – Sec. 9.6.13.2.1(5)
System Acceptance / Testing	Section 24.5.2.1.2 & 14.4.10	Section 9.6.4, 11.3.9 & 11.3.9.1	Section 9.6.4, 11.3.9 & 11.3.9.1
Listing Equipment	Not Specifically Addressed.	Not Specifically Addressed.	Specific Listing Requirements is TBD by the AHJ.