

## APPENDIX C CODE CHANGE PROPOSAL NORTH CAROLINA BUILDING CODE COUNCIL

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Granted by BCC Denied by BCC	Petition for  Adopted by BCC  Disapproved by BCC	Rule Making	Item Number Approved by RRC Objection by RRC	
PROPONENT: Co REPRESENTING: No ADDRESS: 500 Daltor	lin Triming_ rth Carolina Fire Code Revision	n Committee_	PHONE: (70 <u>4) 562</u>	_
CITY: Charlotte_ E-MAIL: colin.trimi	n AveSTATE: ng@charlottenc.gov	: NC	ZIP: 28206 FAX: ()	
North Carolina State Bu	uilding Code, Volume Fire Co	ode- Section	510.4.2, 510.5, 510.	5.4, Ch80
CHECK ONE: [X] section and substitute the	following: ld new section to read as follows:		tion to read as follows:	
LINE THROUGH MATE	RIAL TO BE DELETED	UNDERLI	NE MATERIAL TO I	BE ADDED
Will this proposal incre Will this proposal affec Will this proposal cause  Non-Substantial – Provi  Substantial – The econo  Pursuant to §143-138(a	ge the cost of construction? It ase to the cost of a dwelling by the Local or State funds? The a substantial economic impact de an economic analysis including be mic analysis must also include 2-alter 1)(2) a cost-benefit analysis is require a Building Code Council shall also re	\$80 or more?  Local [ ]  (>\$1,000,000  mefit/cost estimatives, time valued for all propose	Yes [ ] State [ ] O)? Yes [ ] ates. Alue of money and risk ared amendments to the NO	C Energy
	NFPA referenced standard from Nesponder Communications system		s required.	s it clearer for
Signature:		Date: _	FORM	I 11/26/19

**510.4.2 System design**. The in-building 2- way emergency responder communication coverage system shall be designed in accordance with Sections 510.4.2.1 through 510.4.2.8 and NFPA 1221.1225

**510.5 Installation requirements**. The installation of the in-building 2- way emergency responder communication coverage system shall be in accordance with NFPA <u>1221</u> and Sections 510.5.1 through 510.5.5.

- **510.5.4 Acceptance test procedure.** Where an in-building 2- way emergency responder communication coverage system is required, and upon completion of installation, the building owner shall have the radio system tested to verify that two-way coverage on each floor of the building is not less than 95 percent. The test procedure shall be conducted as follows:
- 1. Each floor of the building shall be divided into a grid of 20 approximately equal test areas. Where a floor exceeds 128,000 ft2 (11,900 m2), which is the floor area that can be covered by the maximum grid dimension of 80 ft. (24.4m), the floor shall be subdivided into sectors each having an area less than or equal to 128,000 ft2 (11,900 m2), and each sector be tested individually with 20 grid cells in each sector. Signal strength measurements should be taken at the center of each grid and should be performed using standardized parameters as specified by NFPA 1221 1225

Rest of section unchanged.

## **Chapter 80 Referenced Standards**

## **NFPA**

NFPA 1221-19 Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems.......510.4.2, 510.5, 510.5.4.

NFPA 1225 – 22 Standard for Emergency Services Communications.....510.4.2, 510.5, 510.5.4.