

DIRECT TESTIMONY
OF
RUSSELL W. MURRAY

SAFETY AND RELIABILITY DIVISION
TELECOM ENGINEERING
ILLINOIS COMMERCE COMMISSION

DOCKET NO. 14-0749

DATED February 6, 2015

1 **Q. Please state your name and business address.**

2

3 A. My name is Russell W. Murray and my business address is 527 East Capitol
4 Avenue, Springfield, Illinois 62794-9280.

5

6 **Q. By whom are you employed and in what capacity?**

7

8 A. I am employed by the Illinois Commerce Commission as an Engineering Analyst
9 in the Telecom Engineering Department of the Safety and Reliability Division.

10

11 **Q. Please describe your professional background.**

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13 A. I was employed by the Illinois Commerce Commission in 2000 as an Engineering
14 Analyst. Prior to that, I retired from GTE/Verizon after 30 years of service. I began
15 my career with GTE of Illinois in 1970 as a Central Office Equipment Installer in
16 Belvidere, Illinois. As an Equipment Installer I installed Electrical Mechanical
17 switching equipment, Special Service Equipment and Transmission Equipment in
18 GTE Central Offices in Northern Illinois. In 1976 I became a Switching Technician
19 in New Milford, Illinois. In that capacity I conducted routine maintenance and repair
20 of Electrical Mechanical and the newer #2EAX electronic switches, as well as
21 maintenance and repair of various PABX switching equipment. I also worked on
22 customer related trouble. In 1984 I transferred from Belvidere, Illinois to
23 Bloomington, Illinois to work in the Switching Services Operations Center (SSOC).

24 There I provided technical support to the local Switching Technicians who worked
25 on the #2EAX and GTD5 electronic switches. I also assisted the local technicians
26 in performing the software upgrades called System Version Releases (SVRs). The
27 SSOC not only provided first line support but also was the alarm monitoring center
28 as well as call out center for Illinois during off hours. SSOC personnel, of which I
29 was one, were on call seven days per week, twenty four hours per day. In 1987 I
30 become an Instructor for GTE North, located in Bloomington, Illinois. In that
31 capacity, I instructed Management and Craft personnel on various technical and
32 operational characteristics of the GTD5 electronic switch. In 1990 I returned to the
33 Technical Support group. Again, I was responsible for providing technical support
34 not only to the Local Technicians but also to the group's own Support Technicians.
35 I also provided technical support and undertook Test Engineering functions for the
36 GTE's Equipment Installation group. In addition, I was responsible for undertaking
37 office conversions on several 5ESS switches throughout Illinois. I helped develop
38 and train the Local Technicians on ADSL Testing in GTE North and provided
39 technical support for the ATM network. Further, I have worked on Local Number
40 Portability (LNP) and helped to develop the Fiber Restoration Procedures for GTE
41 North.

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43

44 **Q. What is the purpose of your testimony in this proceeding?**

45 A. The purpose of my testimony is to address, in part 1) the Clay County Narrative
46 Plans, 2) Exhibit 10 the Network Diagrams, 3) Exhibits 10.1 and 10.2 Test Plans,
47 and 4) the Pre-filed Direct Testimony of Michael J. Ramsey.

48

49 **Clay Narrative Plan**

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51 **Q. Have you reviewed the Narrative Plan filed by Clay County?**

52 A. Yes, I have.

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54 **Q. Do have any concerns regarding the Narrative Plan?**

55 A. No, I do not.

56

57 **Exhibit 10 the Network Diagrams**

58

59 **Q. Have you reviewed the Network Diagram provided in the Modified Narrative**
60 **Plan for Clay County?**

61 A. Yes, I have.

62

63 **Q. Do you have any concerns with the Network Diagrams?**

64 A. No.

65

66 **Exhibits 10.1 and 10.2 the Test Plans**

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68 **Q. Have you reviewed the Test Plans in Exhibits 10.1 and 10.2?**

69 A. Yes, I have.

70

71 **Q. What is contained in the Test Plan in Exhibit 10.1?**

72 A. The Test Plan in Exhibit 10.1 consists of the functionality testing of the NG-911
73 network.

74

75 **Q. Are you satisfied with the Test Plan in Exhibit 10.1?**

76 A. Yes. The Test Plan in Exhibit 10.1 appears to test all aspects of NG-911's network.

77

78 **Q. What is contained in the Test Plan in Exhibit 10.2?**

79 A. The Test Plan in Exhibit 10.2 tests the Frontier portion of the network.

80

81 **Q. Are you satisfied with the Test Plan in Exhibit 10.2?**

82 A. Yes. The Test Plan in Exhibit 10.2 appears to test all aspects of the Frontier portion
83 of the 911 network.

84

85 **Q. Do you have recommendations regarding the filing as proposed by Clay
86 County?**

87 A. I recommend that Clay County apprise the Staff of the Illinois Commerce
88 Commission of the results of the ongoing tests to insure a seamless conversion as
89 spelled out in Ms. Elliott's testimony.

90

91 **Pre-filed Direct Testimony of Michael J. Ramsey**

92

93 **Q. Have you read the Pre-filed Direct Testimony of Michael J. Ramsey?**

94 A. Yes, I have.

95

96 **Q. In Mr. Ramsey's testimony, has he stated who will be responsible for**
97 **provisioning the network for the delivery of 9-1-1 calls in Clay County?**

98 A. Yes. In the testimony provided by Mr. Ramsey for Clay County he has stated that
99 NG-911 will be solely responsible for "(a) selective routing of calls, (b) provision of
100 network, and (c) database management."

101

102 **Q. Does this meet the requirements as set forth in 83 Ill. Adm. Code Part**
103 **725.405?**

104 A. Yes, it does.

105

106 **Q. Do you have any objections to the proposed modifications to the Clay**
107 **County 9-1-1 system?**

108 A. No, I do not.

109

110 **Q. Does this conclude your testimony?**

111 A. Yes, it does.