

DIRECT TESTIMONY
OF
RUSSELL W. MURRAY

SAFETY AND RELIABILITY DIVISION
TELECOM ENGINEERING
ILLINOIS COMMERCE COMMISSION

DOCKET NO. 14-0440

DATED August 22, 2014

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
15 began my career with GTE of Illinois in 1970 as a Central Office Equipment
16 Installer in Belvidere, Illinois. As an Equipment Installer I installed Electrical
17 Mechanical switching equipment, Special Service Equipment and Transmission
18 Equipment in GTE Central Offices in Northern Illinois. In 1976 I became a
19 Switching Technician in New Milford, Illinois. In that capacity I conducted routine
20 maintenance and repair of Electrical Mechanical and the newer #2EAX electronic
21 switches, as well as maintenance and repair of various PABX switching
22 equipment. I also worked on customer related trouble. In 1984 I transferred
23 from Belvidere, Illinois to Bloomington, Illinois to work in the Switching Services

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

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44

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

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

49

50 **Perry Narrative Plan**

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52 **Q. Have you reviewed the Narrative Plan filed by Perry County?**

53 A. Yes, I have.

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

56 A. No, I do not.

57

58 **Exhibit 10 the Network Diagrams**

59

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

62 A. Yes, I have.

63

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

65 A. No.

66

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

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

70 A. Yes, I have.

71

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

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

75

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

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

79

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

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

82

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

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

86

87 **Q. Do you have recommendations regarding the filing as proposed by Perry
88 County?**

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

92

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

94

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

96 A. Yes, I have.

97

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

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

103

104 **Q. Does this meet the requirements as set forth in 83 Ill. Adm. Code Part**
105 **725.405?**

106 A. Yes, it does.

107

108 **Q. Do you have any objections to the proposed modifications to the Perry**
109 **County 9-1-1 system?**

110 A. No, I do not.

111

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

113 A. Yes, it does.