Exhibit No.: Issues:

Quality of Service

Witness: Sponsoring Party: Type of Exhibit: Case No.: Date Testimony Prepared: Larry Henderson Mo PSC Surrebuttal Testimony IO-2006-0086 January 12, 2006

MISSOURI PUBLIC SERVICE COMMISSION

UTILITY OPERATIONS DIVISION

FILED² MAR 0 7 2006 Service Commission

SURREBUTTAL TESTIMONY

OF

LARRY HENDERSON

SPRINT NEXTEL CORPORATION

CASE NO. IO-2006-0086

Jefferson City, Missouri January 2006

** Denotes Highly Confidential Information **

NP

Exhibit No. 10 NP Case No(s). 10-2006 -0086 Date 2-77-06 Rptr 94

BEFORE THE PUBLIC SERVICE COMMISSION

OF THE STATE OF MISSOURI

Application of Sprint Nextel Corporation) for Approval of the Transfer of Control of) Sprint Missouri, Inc., Sprint Long) Distance, Inc. and Sprint Payphone) Services, Inc. From Sprint Nextel) Corporation to LTD Holding Company.)

Case No. 10-2006-0086

AFFIDAVIT OF LARRY HENDERSON

STATE OF MISSOURI)) ss COUNTY OF COLE)

Larry Henderson, of lawful age, on his oath states: that he has participated in the preparation of the following Surrebuttal Testimony in question and answer form, consisting of // pages of Surrebuttal Testimony to be presented in the above case, that the answers in the following Surrebuttal Testimony were given by him; that he has knowledge of the matters set forth in such answers; and that such matters are true to the best of his knowledge and belief.

Larra Henderson

Subscribed and sworn to before me this _____ day of January, 2006.

ary Public

17.2008 My commission expires CARLA K. SCHNIEDERS Notary Public - Notary Seal State of Missouri County of Cole My Commission Exp. 06/07/2008

1 2	SURREBUTTAL TESTIMONY									
3	OF									
4	LARRY HENDERSON									
5	SPRINT NEXTEL CORPORATION									
6	CASE NO. 10-2006-0086									
7 8	Q. Please state your name.									
9	A. My name is Larry R. Henderson.									
10 11	Q. Are you the same Larry R. Henderson who filed Rebuttal Testimony									
12	in this case?									
13	A. Yes.									
14	Q. What is the purpose of your Surrebuttal Testimony?									
15 16	A. My purpose is to respond to the testimony filed by Communications									
17	Workers of America's Research Economist Debbie Goldman. Specifically, I will									
18	respond to her basic claim that Sprint Missouri's service quality has been deteriorating. I									
19	will provide evidence that Sprint Missouri has been providing very good service for									
20	many years and service has improved rather than deteriorated over the past four years.									
21	Q. Do you agree with Ms. Goldman's statement, page 19, line 9, that									
22	service quality at Sprint Missouri has been deteriorating over the past seven years?									
23	A. No. In my opinion such a statement is misleading, especially if									
24	Ms. Goldman is concluding Sprint Missouri is providing inadequate service. I will									
25	respond to her use of information contained in the Automated Reporting Management									
26	Information System (ARMIS) report. Ms. Goldman fails to mention how Sprint's									
27	ARMIS report results are better than the results submitted by other companies. Second, 1									

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there is a logical reason to expect the ARMIS measurement for the out-of-service repair
 interval to increase over the past decade. Third, Ms. Goldman may have misquoted some
 of the data contained in the ARMIS report.

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Q. Do you have a general comment about the FCC's ARMIS report quality of service data?

A. Yes. The FCC does not establish service objectives for these
measurements. In other words, the FCC has not tried to establish a minimum threshold
performance result where, if performance crosses a certain threshold, that the company's
service quality should be considered inferior. The FCC is simply attempting to identify
trends. Such an approach differs from the Missouri Public Service Commission quality
of service results in that the Missouri Commission does establish service objectives.

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Q. How do Sprint Missouri's ARMIS report results compare with the results submitted by other companies?

14 Α. Schedule I lists other companies submitting quality of service results to 15 the ARMIS report Out Of Service Repair interval. The schedule indicates the average 16 hours taken by reporting price cap companies to restore an out of service condition. This 17 time is calculated from the time the report was received to the time the report was closed. 18 The time frame for the schedule is 1998 thru 2004. A company aggregate is shown for 19 BellSouth; Qwest; SBC; Verizon; AllTel; Cincinnati; Citizens and Sprint. Results for 20 Sprint Missouri are stated as a stand- alone company but are also contained in Sprint's 21 aggregate results. In 1998, Sprint Missouri had a time interval of 13.3 hours. The 22 average of all companies in 1998 was 23.3 hours. In 2004, Sprint Missouri had a time 23 interval of 16 hours. The average of all companies in 2004 was 25.8 hours. It is notable

that Sprint Missouri has the second lowest receipt-to-close hours in the nation, in both
 1998 and 2004.

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Q. Has the ARMIS measurement for the out-of-service repair interval increased for most companies?

5 Α. Yes. Schedule 1 demonstrates that the average of all reporting companies 6 increased from 23.3 hours to 25.8 hours. This 2.5 hour difference represents an 11% 7 increase from 1998 to 2004. Sprint Missouri's interval increased from 13.3 hours to 16 8 hours. This 2.7 hours increase represents a 20% increase. The percentage difference 9 appears significant, but percent change is a misleading indicator. Schedule 1 10 demonstrates that ALLTEL had a 53% increase in out-of-service repair interval time 11 from 1998 through 2004. However, their out-of-service repair interval is the lowest in 12 the nation at 15.3 hours.

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Q. Would you expect the out-of-service repair interval to increase over the past decade?

15 Yes. Unless a company has extremely poor performance to begin with, I A. 16 would expect most companies to experience increased out-of-service repair intervals. 17 The ARMIS measurement for the out-of-service repair interval attempts to measure the 18 length of time it takes a company to resolve an out-of-service condition. The timing of 19 this measurement begins when the company receives the trouble report and concludes 20 when the company resolves it. Receipt of a customer's trouble report is when the 21 customer calls the company to report the trouble. After regular business hours, a 22 company may simply record the necessary information at the time of the customer's call 23 and then act on it the next day.

1 I would expect this measurement interval to increase over the past decade because 2 consumers have increased opportunities to report trouble, especially outside normal 3 business hours. For example, in order to report their phones are out of service, a 4 consumer must contact the company. In my opinion, in the past most customers did not 5 have the capability to immediately report the trouble. A customer may have to wait until 6 the next day and report the trouble when they have access to a operational phone at work, 7 or alternatively the customer could try and find a working phone at a neighbor's house or 8 another location and place the call to the company. However, today many customers 9 have a wireless phone and they could use a wireless phone to immediately report the 10 trouble. In the past, I think it is reasonable to expect most consumers discovering an out-11 of-service condition after regular business hours would wait until the next morning when 12 they would have access to a working phone to report the trouble. As more consumers 13 immediately report trouble on their phone lines, such consumer response will place 14 pressure to increase a company's out-of-service interval.

15

Q. Please explain.

16 Α. Immediately reporting trouble can have an impact on a company's out-of-17 service interval. As an example, if a consumer discovers their phone service is out-of-18 service at 6:00 pm and reports it at 8:00 am the next day, the out-of-service interval will 19 be nine hours if the company restores service by 5:00 pm. If the consumer immediately 20 reports trouble at 6:00 pm and the company restores service by 5:00 pm the next day, the 21 out-of-service interval is 23 hours. In this respect, as more consumers immediately report 22 trouble such a consumer response will tend to increase a company's out-of-service 23 interval even though the company may be consistently restoring service within 24 hours.



Q. If Ms. Goldman had only looked at Sprint Missouri's out-of-service
 repair interval results for the last five years rather than seven years what do the
 ARMIS report results show?

A. Schedule 2 shows the ARMIS report data for out-of-service repair
intervals from 2000 thru 2004. The exhibit shows Sprint Missouri's out-of-service repair
interval time decreased from 16.3 hours to 16 hours. This change represents a two
percent decline in out-of-service repair interval time.

8 Q. What comments do you have regarding Ms. Goldman's suggestion
9 that Sprint's repeat trouble report percentage increased by 121% from 1998 to
10 2004?

A. This percentage appears to be over-stated. Ms. Goldman's Exhibit 17
 shows this percentage should be approximately 62% rather than 121%. Therefore,
 Ms. Goldman's exhibit and the figure cited on page 19 of her testimony are inconsistent.

14

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Q. Do you have any other comments about Ms. Goldman's reference to the repeat trouble report measurement?

16 Α. Yes. In my opinion, the Federal Communications Commission's (FCC's) 17 repeat trouble report rate may not provide an accurate reflection of the company's quality 18 of service. The FCC's criteria for repeat trouble reports is simply based on two criteria: 19 (1) the initial report has to be coded out of service and closed, and (2) the second report 20 on the same line must be received within 30 days of the closing of the first report. An 21 incorrect inference might be that a second trouble report is a negative reflection on the 22 company in the sense the company failed to properly resolve the customer's initial 23 trouble report. However, the FCC's measurement does not attempt to make any 24 distinction on the relationship between the customer's two trouble reports. In other

words, the customer's second trouble report could be caused by events totally beyond the
 control of the company. For example, customer trouble reports caused by a cut cable or
 faulty customer premise equipment could still be counted in calculating a company's
 repeat trouble report rate according to the FCC's definition.

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Q. Is it common for trouble reports to be caused by events totally beyond the control of the company?

7 Α. Yes. Operational reviews conducted by the Commission Staff indicate 8 that on average 65% of total trouble reports received by a company are not related to the 9 company's network. This figure suggests that over half of a company's trouble reports 10 can be caused by factors beyond the company's control. For example, reported trouble 11 could be caused by faulty customer provided wiring and customer provided equipment. 12 I simply bring this point up to raise caution from drawing conclusions from the FCC's 13 measurement of trouble reports, for the FCC does not appear to make distinction between 14 troubles caused by the company's facilities versus factors beyond the company's control.

15

Q. Is Sprint Missouri providing inadequate service?

16 No. Any inference that Sprint Missouri is providing inadequate service is Α. 17 incorrect. As pointed out in my Rebuttal Testimony, Sprint Missouri is in compliance 18 with the service objectives and is exceeding the surveillance levels for quality standards 19 established by this Commission in rule 4 CSR 240-32.080. Schedules 3 through 7 show 20Sprint Missouri's quality of service results for the past seventeen quarters (from the third 21 quarter of 2001 through the third quarter of 2005). Specifically, these schedules show 22 Sprint Missouri's performance results for several different measures. Overall, these 23 schedules show the company provides very good service to its customers.

24

Q.

What specific information is contained in these schedules?

A. These schedules graphically show Sprint Missouri's performance results
 for a particular measure. Each schedule attempts to also show the trend line for Sprint
 Missouri's results. The schedules also identify the Commission's service objective and
 surveillance level for a particular measure.

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Q. Please explain the distinction between service objective versus surveillance level.

7 A. A service objective represents an acceptable level of service for an 8 established category of service or performance measure. In contrast a surveillance level 9 represents a substandard level of performance for an established category of service or 10 performance measure. If a company's performance result falls within surveillance level 11 the company is required to immediately investigate and take appropriate corrective action 12 to achieve and maintain the Commission's service objective. In general, the 13 Commission's rules establish a buffer zone between a measure's service objectives 14 versus surveillance level. In other word, it is possible for a company to fail to meet the 15 Commission's service objective but still not fall into the Commission's surveillance level. 16 Surveillance level is viewed as substandard performance clearly requiring immediate 17 attention by the company.

18

Q. Please explain Schedule 3.

A. Schedule 3 shows Sprint Missouri's quarterly performance results of
installation of basic local telecommunications service within five days. This measure
attempts to show if a company is responding to requests for telecommunications service
in a timely manner. The Commission's service objective is to install basic local
telecommunications service within five days for at least 90% of the company's orders for
basic local service. Sprint Missouri exceeded this objective for all quarters. This

Q.

schedule also shows that Sprint Missouri has steadily improved its performance for this
 measure during the third quarter of 2001 through the third quarter of 2005.

3

Please explain Schedule 4.

4 Α. Schedule 4 shows Sprint Missouri's quarterly performance results for 5 meeting installation commitments given for the installation of basic local 6 telecommunications service. This measure attempts to show if a company is installing 7 service within the time frame or time commitment provided to the customer. The 8 Commission's service objective is to meet at least 90% of the company's commitments 9 for installing basic local service. Sprint Missouri exceeded this objective for all quarters. 10 This schedule also shows that Sprint Missouri has steadily improved its performance for 11 this measure during the third quarter of 2001 through the third quarter of 2005.

12

Q. Please explain Schedule 5.

13 Α. Schedule 5 shows Sprint Missouri's quarterly performance results 14 regarding the number of trouble reports received per 100 access lines. This measure 15 attempts to show if a company's customers are experiencing a significant amount of 16 trouble with their telecommunications service. Trouble reports caused by faulty customer 17 premise equipment or inside wire are not counted in this performance measure. The 18 company needs to specifically identify the cause of the problem in order to exclude the 19 trouble report from its performance result. In this respect, if the company investigates a 20 trouble report and the line tests ok the trouble report is included in the company's 21 calculation for this performance measure. Likewise, a trouble report for the same access 22 line for trouble already reported but not yet cleared is not counted. The Commission's 23 service objective is for a company to have less than 6 trouble reports per 100 lines. 24 Sprint Missouri was significantly below this objective for all seventeen quarters. Sprint

Missouri averaged approximately ** __** trouble reports per 100 lines during this time
 period.

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Q. Please explain Schedule 6.

4 A. Schedule 6 shows Sprint Missouri's guarterly performance results for 5 resolving out-of-service trouble reports, and. specifically what percentages of out-of-6 service trouble reports are cleared in less than 24 hours. A company is allowed to exclude 7 certain trouble reports as described for Schedule 5. The Commission's service objective 8 is to clear at least 90% of out-of-service trouble reports within 24 hours. Sprint Missouri 9 exceeded this objective for ** __** out of 17 quarters. Sprint failed to meet this Commission objective during the 3rd quarter of 2005, the most recent reporting time 10 period, with ** ** of out-of-service trouble reports restored within 24 hours. 11 Despite not meeting the Commission's service objective for this quarter, the company 12 13 still exceeded the Commission's surveillance level of 85%.

14

Q. Please explain Schedule 7.

15 Α. Schedule 7 shows Sprint Missouri's quarterly performance results in 16 meeting repair commitments for the repair of basic local telecommunications service. 17 This measure attempts to see if a company resolving trouble reports within the time frame 18 originally provided to the customer. The Commission's service objective is to resolve at 19 least 90% of trouble reports within the time frame provided to the customer. Sprint 20 Missouri met this objective only ** _ ** out of 17 quarters from the third quarter of 2001 21 to the third quarter of 2005. Despite not meeting the Commission's service objective, 22 Sprint Missouri still exceeded the Commission's surveillance level of 85% for all for all 23 17 quarters.

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Q. Please explain Schedule 8.

A. Schedule 8 takes information from Schedules 5 and 6 by determining what percent of total trouble reports reflect an out-of-service condition. The time frame of this schedule is for seventeen quarters from the third quarter of 2001 to the third quarter of 2005. This report is used to verify if a company is coding trouble reports correctly. This report provides a certain amount of validity to trouble report data contained in the quarterly quality report. A low percentage of out-of- service reports would prompt questions concerning the validity of out-of-service cleared within 24 hours.

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Q. Does this conclude your Surrebuttal Testimony?

A. Yes, it does.

SCHEDULE 1 Out of Service Repair Intervals in Hours receipt to clear

(Includes Initial Out-of-Service and Repeat Out-of-Service Intervals)

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7 Year Trend

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All Reporting ILECs, Business & Residence

COMPANY	1998	1999	2000	2001	2002	2003	2004	%Change
BELLSOUTH AGGREGATE	21.5	22.9	21.6	19.4	18.7	20	31.5	47%
QWEST AGGREGATE	26.6	26.8	19.8	14.5	13.9	14,7	16.3	-39%
SBC AGGREGATE	27.6	23.9	36.1	23.6	20.5	20.1	23.7	-14%
VERIZON AGGREGATE	19.4	20. 7	23	19.7	21.3	28.9	27.4	41%
ALLTEL AGGREGATE	10	7.1	7.5	15.3	9.2	24.4	15.3	53%
CINCINNATI BELL AGGREGATE	NA	30.1	35,9	38.6	34.7	57.9	26.7	-11%
CITIZENS AGGREGATE	22.1	16.3	18.9	19.7	15.9	23.2	20.3	-8%
SPRINT AGGREGATE	14.8	18.5	16.1	13.8	15.5	17.5	22.9	55%
All Reporting ILECs	23.3	22.7	26.6	20.3	19.6	22.6	25.8	11%
Sprint Missouri	13.3	13.8	16.3	14.2	17.1	15.4	16	20%

SCHEDULE 2

Out of Service Repair Intervals in Hours receipt to clear

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(Includes Initial Out-of-Service and Repeat Out-of-Service Intervals)

5 Year Trend

All Reporting ILECs, Business & Residence

COMPANY	2000	2001	2002	2003	2004	% Change
BELLSOUTH AGGREGATE	21.6	19.4	18.7	20	31.5	46%
QWEST AGGREGATE	19.8	14.5	13.9	14.7	16.3	-18%
SBC AGGREGATE	36.1	23.6	20.5	20.1	23.7	-34%
VERIZON AGGREGATE	23	19.7	21.3	28.9	27.4	19%
ALLTEL AGGREGATE	7.5	15.3	9.2	24.4	15.3	104%
CINCINNATI BELL AGGREGATE	35.9	38.6	34.7	57.9	26.7	· -26%
CITIZENS AGGREGATE	18.9	19.7	15.9	23.2	20.3	7%
SPRINT AGGREGATE	16.1	13.8	15.5	17.5	22. 9	42%
All Reporting ILECs	26.6	20.3	19.6	22.6	25.8	-3%
Sprint Missouri	16.3	14.2	17.1	15.4	16	-2%

Schedules 3 through 8 **Are Deemed** Highly Confidential In Their Entirety