

Exhibit No.:

Issues: NPA Relief; Number Conservation

Witness: Daniel M. Paul

Type of Exhibit: Direct Testimony

Sponsoring Party: Ameritech Cellular™

Case No. TO-2000-374

Date Testimony Prepared: May 10, 2000

**CYBERTEL CELLULAR TELEPHONE COMPANY
AND
CYBERTEL RSA LIMITED PARTNERSHIP
d/b/a AMERITECH CELLULAR™**

TO-2000-374

DIRECT TESTIMONY

OF

DANIEL M. PAUL

MAY, 2000

FILED

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Missouri Public
Service Commission

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CASE NO. TO-2000-374

DIRECT TESTIMONY

OF

DANIEL M. PAUL

1 Q. Please state your name and business address.

2 A. My name is Daniel M. Paul and my business address is 500 Maryville
3 Centre Drive, Suite 250, St. Louis, Missouri 63141.

4

5 Q. By who are you employed and in what position?

6 A. I am employed by Ameritech CellularTM ("Ameritech CellularTM") as a
7 Facilities Engineer. I am currently responsible for planning and ordering
8 network facilities. In the nearly 3 years I have been employed by
9 Ameritech CellularTM and its predecessors, I have held positions in facility
10 design, billings and budget.

11

12 Q. Have you previously testified before this Commission?

13 A. I was the witness for Ameritech CellularTM in the presentation of the
14 technical committee number conservation reports filed in Case No. TO-
15 99-14.

16

17 Q. Does Ameritech CellularTM provide wireless services within the St. Louis
18 metropolitan area and surrounding areas within the 314 and 636 NPAs?

1 A. Yes, we do. Pursuant to and under licenses granted by the Federal
2 Communications Commission ("FCC"), Ameritech CellularTM operates as
3 the non-wireline cellular carrier for: (1) the St. Louis, Missouri cellular
4 geographical service area; and (2) Missouri Rural Service Areas Nos. 8,
5 12, 18 and 19.
6

7 Q. Does Ameritech CellularTM provide wireless service in the 816 NPA?

8 A. No, we do not. Thus, although my understanding is that this docket was
9 established to address NPA relief plans for the 314 and 816 area codes,
10 our participation is strictly limited to the relief plan to be formulated for
11 the 314 NPA, and Ameritech CellularTM takes no position as to any relief
12 plan addressed in this docket for the 816 NPA.

13 314 NPA Relief Plan

14 Q. Has Ameritech CellularTM been involved in the formulation of NPA relief
15 plans in the State of Missouri previous to this docket?

16 A. Yes, we have. Ameritech Cellular'sTM predecessors were involved in the
17 Missouri Public Service Commission ("Commission") dockets which
18 addressed NPA relief efforts in the 314/573 NPAs (TO-95-289); the
19 816/660 NPAs (TO-96-1); and the 314/636 NPAs (TO-98-212). In
20 addition, we were participants in the technical committee proceeding
21 which prepared and presented reports on number conservation measures in
22 Missouri (TO-99-14).
23

1 Q. What is Ameritech Cellular'sTM position concerning the proposed relief
2 plan submitted by the North American Numbering Plan Administrator,
3 NeuStar, Inc. ("NANPA"), that a "retroactive" overlay be ordered for the
4 314/636 NPAs, and that a subsequent all-services overlay be ordered for
5 the geographic area serving the 314/636 NPAs?

6 A. Ameritech CellularTM supports the imposition of a retroactive overlay
7 wherein codes from the 636 NPA would be available for use in both the
8 existing 314 NPA and the existing 636 NPA, followed by a third NPA
9 which would be overlaid within the geographic area constituting both the
10 314 and 636 NPAs.

11
12 Q. Why does Ameritech CellularTM support the retroactive overlay option
13 versus the other alternatives described in NeuStar's Petition?

14 A. Implementing a retroactive overlay for the 314 NPA will provide for a
15 more efficient use and allocation of the 636-NXX code resources by
16 allowing those numbers to be allocated within either the existing 314 NPA
17 or the 636 NPA created by this Commission in Case. No. TO-98-212.
18 This alternative enables these limited number resources to be utilized
19 wherever the need for numbers exists within either the 314 NPA or the
20 636 NPA, thus ignoring the geographic boundary previously established.
21 By allowing the allocation of 636-NXX codes throughout the 314 and 636
22 NPAs, the Commission can insure that the 636-NXX codes can go to the
23 area where numbers are needed most and demand is greatest, whether in

1 the 636 NPA or the 314 NPA, thus leading to a more efficient allocation
2 of number resources.

3 In addition, selection of the retroactive overlay will allow the Commission
4 to avoid the unenviable task of carving a new NPA out of the existing 314
5 NPA. A further geographic split of the 314 NPA will split local calling
6 scopes in the St. Louis area resulting in greater confusion among
7 consumers even further. The geographic split previously ordered in Case
8 No. TO-98-212 split local calling scopes in the St. Louis metropolitan
9 area. As a result, some local calls now need 10 digit dialing to be
10 completed, while other calls need only 7 digit dialing to be completed. As
11 anticipated, this has lead to some consumer confusion when attempting to
12 make local telephone calls as the dialing party must know whether the
13 number is rated in the same area code as where the call is originating. If a
14 consumer dials 7 digits and is incorrect, the call will not go through and he
15 or she must redial the number with the appropriate area code, thus
16 resulting in a total of 17 digits being dialed in order to place the call (the 7
17 digits misdialed plus the 10 digits correctly dialed). If a retroactive
18 overlay is adopted by the Commission for the 314 and 636 NPAs, all local
19 calls dialed within the geographic area covered by these 2 NPAs must use
20 10 digit dialing to be completed, a situation becoming more and more
21 common around the country, and inevitable in the St. Louis metropolitan
22 area. Although compared to the current state of affairs, an extra 3 digits
23 will be required to complete some local calls, Ameritech CellularTM

1 believes this is superior to the state of confusion which exists today as to
2 some local calling.

3 Q. You refer to the retroactive overlay option as an "all services" overlay.
4 Would you please explain what you mean?

5 A. Yes. When NPAs began exhausting around the country, one of the relief
6 options explored by the impacted parties was an overlay for specific
7 services, such as wireless, i.e. – only customers of the specific service
8 would be issued the new NPA phone numbers. Attempts were made to
9 implement this type of plan in the Chicago, Illinois area. However, the
10 FCC ruled that a service-specific overlay was discriminatory and anti-
11 competitive and, therefore, could not be implemented. This position was
12 recently affirmed by the FCC in its recent Report and Order issued in its
13 Numbering Resource Optimization docket (CC Docket No. 99-200). I am
14 using the "all services" overlay designation to ensure that everyone
15 understands the type of overlay Ameritech CellularTM is supporting. Thus,
16 throughout my testimony, references to an "overlay" option means an "all
17 services" overlay plan and not a "service-specific" overlay plan.

18
19 Q. Some of the alternatives considered, and rejected, by the
20 telecommunications industry in meetings prior to the formulation of the
21 recommendation contained in NeuStar's Petition were further geographic
22 splits of the current 314 NPA. What are some of the acknowledged
23 problems associated with geographic splits?

1 A. With each geographic split, consumers are forced to change telephone
2 numbers, change dialing patterns and learn new boundaries. Businesses
3 will have to change their stationery, business cards and advertising,
4 rendering obsolete any printed material which contains the old phone
5 numbers. Customers will need to be notified of the change. Since split
6 boundaries occur along telephone exchange boundaries and not along
7 naturally occurring or man made lines, another geographic split may
8 divide communities or areas having a common sphere of interest, as
9 occurred in the first split of the 314 NPA.

10
11 Q. If a geographic split is ordered by the Commission, how will selection of
12 that option, versus an overlay, impact the customer who has a cellular
13 telephone?

14 A. If the rate center out of which the cellular customer's cellular phone is
15 rated is in the area to which the new NPA will be assigned, then the
16 customer must have the phone physically reprogrammed with the new area
17 code. Thus, in addition to experiencing the problems associated with
18 changing one's number, the cellular customer must also go through the
19 inconvenience of having the cellular phone reprogrammed.

1 Number Conservation

2 Q. Will the adoption of number conservation efforts by the Commission in
3 this docket eliminate the need by the Commission to adopt a relief plan for
4 the 314 NPA?

5 A. No. On April 17, 2000, the North American Numbering Plan Code
6 Administrator declared the 314 NPA to be in a jeopardy situation.
7 Therefore, interim jeopardy procedures have been invoked and until a
8 relief plan has been adopted and implemented, codes will be rationed
9 according to a set of established procedures. As stated by the FCC in its
10 Numbering Resource Optimization Report and Order:

11 [W]e have responded to requests by individual states by
12 conditionally granting them authority to implement some of the
13 following number conservation measures: thousands-block number
14 pooling trials; NXX code rationing; reclamation of unused and
15 reserved NXX codes and thousand blocks; auditing; and sequential
16 numbering assignment. The grants of authority to the state public
17 utility commissions, however, *were not intended to allow the state*
18 *commissions to engage in number conservation measures to the*
19 *exclusion of, or as a substitute for, unavoidable and timely area*
20 *code relief.*

21
22 *In the Matter of Numbering Resource Optimization*, CC Docket No. 99-
23 200, ¶7, (March 17, 2000)(emphasis added, footnotes omitted). While
24 adoption of number conservation measures may delay the onset of
25 jeopardy, adoption of conservation measures alone cannot substitute for
26 the implementation, as soon as possible, of a relief plan for the 314 NPA.
27 However, the implementation of certain number conservation measures
28 may delay the need for an additional overlay of the 314/636 NPA further
29 into the future.

1 Q. Have industry representatives addressed number conservation issues for
2 the Commission prior to this docket?

3 A. Yes. A group of industry representatives developed and filed three reports
4 with the Commission in Case No. TO-99-14 discussing the number
5 conservation measures of rate center consolidation, sequential numbering
6 assignments and number pooling. In addition, it should be noted that the
7 FCC ordered the implementation of number pooling and sequential
8 numbering assignment conservation measures in its Numbering Resource
9 Optimization Report and Order.
10

11 Q. Are any of the number conservation measures previously mentioned in
12 this testimony impacted or affected by the Commission's selection of a
13 geographic split versus an overlay relief option?

14 A. To my knowledge, no. Since number conservation measures are not
15 meant as a substitute for NPA relief measures but as an adjunct to the
16 adoption of relief plans, I am not aware of any limitations upon the
17 implementation of one or more number conservation efforts resulting from
18 the selection of one NPA relief methodology over another. In other
19 words, I do not believe that the Commission will be prohibited from
20 pursuing number conservation measures solely because of the selection of
21 a retroactive overlay versus further geographic split of the 314 NPA.
22

1 Q. Will you discuss the authority of the Commission to order number
2 conservation measures in lieu of, or in conjunction with area code relief?

3 A. Although this question strikes me as one of a legal nature and I have no
4 formal legal training or education, I will answer it as best I can. It is my
5 understanding that the Telecommunications Act of 1996 ("Act") provides
6 that the FCC has exclusive jurisdiction over those portions of the North
7 American Numbering Plan that pertain to the United States, but that
8 nothing in the Act precludes the FCC from delegating to state
9 commissions or other entities all or any portion of such jurisdiction. It is
10 my further understanding that in the exercise of its delegating authority,
11 the FCC has, after application for same, previously delegated to state
12 commissions the right to pursue certain number conservation measures,
13 such as thousands-block number pooling trials; NXX code rationing;
14 reclamation of unused and reserved NXX codes and thousands-blocks;
15 auditing; and sequential number assignment. In addition, it is my
16 understanding that in its Numbering Resource Optimization Report and
17 Order, the FCC delegated to state commissions certain rights and
18 authorities in connection with: the process of resolving deficiencies with
19 number usage forecast data and number utilization data reported to the
20 NANPA (§54); the frequency of reporting requirements (§66); access to
21 forecast and utilization data (§s 75, 81); the right to affirm or overturn the
22 NANPA's decision to withhold initial number resources based on
23 noncompliance with FCC requirements (§98); the ability to monitor

1 number utilization using semi-annually reported data (§106); the
2 implementation of individual pooling trials, if requested of the FCC (§128)
3 subject to the guidelines set forth in said Report and Order (§183, fn. 442);
4 substitution of NPAs in the national 1000s-block number pooling rollout
5 schedule (§165); the ability to investigate and determine whether code
6 holders have “activated” NXXs assigned to them within time frames
7 specified in the FCC’s Report and Order (§237); and to direct the
8 reclamation of unactivated or unused thousands-blocks (§238). To the
9 extent this Commission undertakes these actions and/or pursues such
10 number conservation measures within the guidelines and authorities
11 established by the FCC in its Report and Order, Ameritech CellularTM
12 supports the implementation of such measures.

13
14 Q. Would you please summarize your testimony?

15 A. Ameritech CellularTM supports the implementation of a retroactive, all
16 services overlay within the geographic regions encompassing the 314
17 NPA and 636 NPA, and the further overlay of an additional NPA over this
18 same geographic region as recommended by NeuStar, the North American
19 Numbering Plan Administrator. Ameritech CellularTM supports
20 implementation by this Commission of number conservation measures
21 delegated to it by the FCC, in strict compliance with the delegation
22 guidelines found in the FCC’s Numbering Resource Optimization Report
23 and Order, with appropriate input and comment from the

1 telecommunications industry and its members. Finally, Ameritech
2 CellularTM takes no position on any relief measures for the 816 NPA.
3

4 Q. Does that conclude your direct testimony at this time?

5 A. Yes, it does.

BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI

In the Matter of the Petition of the North)	
American Numbering Plan Administrator,)	
on Behalf of the Missouri Telecommunications)	Case No. TO-2000-374
Industry, for Approval of NPA Relief Plan for)	
the 314 and 816 Area Codes)	

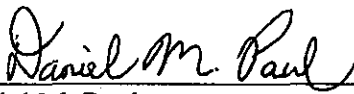
AFFIDAVIT OF DANIEL M. PAUL

STATE OF MISSOURI)
) SS
COUNTY OF ST. LOUIS)

I, Daniel M. Paul, of lawful age, being duly sworn, depose and state:


1. My name is Daniel M. Paul. I am presently a Facilities Engineer for Ameritech Cellular™.

2. I hereby swear and affirm that my answers contained in my prefiled direct testimony consisting of 11 pages to be presented in the above case are true and correct to the best of my knowledge and belief and that I have knowledge of the matters contained therein.



Daniel M. Paul

Subscribed and sworn to before me this 8th day of May, 2000.



Notary Public

My Commission Expires: 2-15-2001

Mary L. Tucker
Notary Public-Notary Seal
State of Missouri
St. Louis County
My Commission Exp. 02/15/2001