assigned. Moreover, it continues, an overlay could be more easily replicated than a geographic split once further relief is needed, particularly given Manhattan's small size and lack of internal natural boundaries.

Recognizing the universal 11-digit dialing associated with an overlay, New York Telephone notes that it has asked the FCC to reconsider this requirement.[1] But, it continues, universal 11-digit dialing is not so onerous as to warrant abandoning an overlay. It notes, as did the Staff Paper, that approximately one-third of all intraLATA calls originating in Manhattan already require 11-digit dialing, inasmuch as they terminate in area codes other than 212; that 11-digit dialing may someday be required on all calls; and that its effects are often mitigated by such devices as speed dialers and voice dialing. And, like staff, New York Telephone believes any confusion associated with an overlay can be mitigated by effective outreach and education.

New York Telephone points as well to successful experience with overlays, pointing to the 917 wireless overlay in New York City and more recent overlay decisions in Maryland (statewide), Georgia (the Atlanta area), and Colorado (the Denver area). It cites, among other things, a reported statement by the chairman of the Georgia Commission, that "I don't believe we can continue to carve up Atlanta. This is the long-term solution. When area codes are needed in the future, the overlay establishes the framework to add a new area code without debate or disruption."[2]

Finally, New York Telephone disputes the concerns regarding the overlay's potential anticompetitive effects. It asserts that carriers obtaining new numbers will be treated on a

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[1] The request in fact had first been made by Department of Public Service staff and was then supported by New York Telephone.

[2] New York Telephone's Comments, p. 16, quoting an Atlanta newspaper account of the Georgia decision.

non-discriminatory basis (regardless of whether the carrier is seeking additional numbers for customer growth in general or for a particular customer that requires a large block of additional numbers) and that New York Telephone's competitors would have no greater or lesser access to 212 numbers than New York Telephone itself. It points to the forthcoming availability of LNP, which will provide all carriers equal access to all previously assigned numbers as well as to related reserved numbers. Number portability, according to New York Telephone, obviates Sprint's suggestion, made during the course of the proceeding, that any unassigned central office codes in the 212 area code be reserved for use by CLECs; it adds that Sprint's suggestion is inconsistent with industry guidelines precluding such reservations. New York Telephone also objects to any suggestion that returned telephone numbers be pooled. It notes that number pooling is being considered on a national basis under the auspices of the North American Numbering Council with the cooperation of the INC, and it warns against the risk of adopting state standards that conflict with national guidelines that might be set later.

New York Telephone adds that an overlay is consistent with the Telecommunications Act of 1996 and that the parties objecting to it on competition-related grounds are simply unable to accept the limitations that exist on numbering resources. It adds that a geographic split creates competitive inequity among telephone users, by burdening enterprises that are forced to change their phone numbers while exempting those of competing enterprises remaining in the 212 area code.

Teleport

In starkest contrast to New York Telephone's view is that of Teleport, which strongly disagrees with the Staff Paper's tentative preference for an overlay. In its view, the Staff Paper gave inadequate weight to the extremely serious anticompetitive consequences of an overlay and underestimated the overlay's attendant confusion and customer dissatisfaction.

According to Teleport, only a geographic split assigns customers to area codes on the competitively neutral basis of geographic location. An overlay, in contrast, by and large gives customers of the incumbent LEC access to the pre-existing area code while stigmatizing customers of new firms by assigning them the new, assertedly inferior, code. Citing expressions of concern on this score by the FCC and noting recent geographic splits in Illinois, California, and Massachusetts, it warns that, given the need to change its area code, "a business would be very reluctant to switch local carriers or choose a competitive carrier as the initial service provider."[1]

Relatedly, Teleport suggests that an overlay would make it more difficult for a CLEC to serve additional demand within the original area code. Even if a customer could use number portability to retain the numbers for its lines already in use, the CLEC would be unable to accommodate that customer's growth by assigning additional numbers within the original area code. Teleport suggests that the ILECs' recent enthusiasm for overlays is tied to the advent of competition in the local exchange market.[2]

Teleport disputes the value of the measures identified by staff as mitigating the anticompetitive effects of an overlay. While staff saw the problem as alleviated by "strict adherence to the nondiscriminatory provisions of the central office code assignment guidelines," Teleport is less concerned about future code assignments than about New York Telephone having retained for its own use a very large portion of the numbers in the 212 area code, thereby making it much more likely that a new customer now could obtain a desirable 212 telephone number if it took service from New York Telephone instead of taking it from a CLEC. It suggests that New York Telephone has misused its scarce

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[1] Teleport's Comments, p. 6.

[2] Ibid., p. 8.

numbering resources in order to provide itself this advantage,[1] and that it has "a vast warehouse of numbering resources at [its] disposal," "enough numbers to assign customers well into the 21st century."[2]

Teleport acknowledges that staff's second ameliorating measure--universal 11-digit dialing--would mitigate one anticompetitive effect but notes once again the disadvantages of such dialing.

Staff's third ameliorating measure--implementation of permanent number portability during the first quarter of 1998--is derided by Teleport as unduly optimistic. It sees no basis for the premise that LNP will be implemented on schedule and argues that "the economic survival of competitors cannot be left hanging on the assumption that New York Telephone will accomplish the implementation antithetical to [its] own best interests."[3] It cites delays in similar projects; questions whether portability would be available throughout the territory; and notes the provision in the applicable FCC rules for up to a nine-month delay in the implementation deadline. Relatedly, Teleport asserts that staff has confused permanent number portability with number pooling. It explains that LNP applies solely to the transfer of numbers previously used by a New York Telephone customer, and that only number pooling would allow unreserved or unassigned telephone numbers to be obtained for use by any carrier. In the absence of pooling, this could be achieved only by having a would-be CLEC customer first subscribe to the additional numbers from New York Telephone, at considerable service connection expense, and then port to the CLEC the numbers it had been assigned. In Teleport's view, eliminating the anticompetitive effects of an overlay would require, in advance of the overlay, both LNP and number pooling; but there are no

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[1] Ibid., p. 15.

[2] Id.

[3] Ibid., p. 16.

plans to introduce number pooling before the proposed effective date of the overlay.

Teleport adds that staff gave insufficient weight to the overlay's other disadvantages, such as universal 11-digit dialing. It notes that communities of interest based on geographical proximity mean that under a geographic split, much seven-digit dialing would remain. It also challenges staff's reliance on New York Telephone's allegedly self-serving estimates of relief duration; asserts that an overlay, which would assign different area codes to customers in the same street or building, would divide communities more than would a geographic split; argues that adoption of a split now would not rule out an overlay in the future, thereby belying staff's reliance on the asserted replicability of an overlay; and contends that the 917 precedent does not mean that New York City customers already are familiar with overlays, inasmuch as the 917 code is limited to wireless service, readily identified as distinct.

Turning to the geographic split, Teleport asserts that the Staff Paper overstates its disadvantages. It argues that businesses are constantly reprinting stationery and other materials and that the expense of informing callers of the area code change would be reduced by the public education program and the general alertness of business customers. Teleport regards the successful implementation of splits elsewhere as a response to staff's concern about "pocket" customers; and it sees less likelihood of confusion in connection with the geographic split than with an overlay, inasmuch as calling parties will be able, in most cases, to associate the called party's locations with a particular NPA. As already noted, Teleport challenges staff's reliance on New York Telephone's estimates of when geographic splits will require further relief, and it attributes to the general increase in telecommunications usage, rather than to the use of a split instead of an overlay, the faster-than-anticipated exhaust of many new area codes recently established.

Finally, Teleport supports AT&T's specific geographic split (that is, a 23rd Street boundary with customers north of

the line retaining the 212 code) rather than staff's variation that would have assigned 212 to customers south of the line. Teleport notes that allowing the northern zone to retain 212 would mean changing the area codes of only about 40% of Manhattan customers, and that the sophisticated businesses south of 23rd Street would be better able to manage the change. It suggests, among other things, that "the very size of the business community in southern Manhattan will make the association between that geographical location and the new area code readily recognized both within the City and throughout the country."[1]

AT&T

AT&T favors a geographic split, maintaining that it would best serve customers, competition, and the public interest. It asserts that the split is supported by an "array of parties representing diverse interests,"[2] in contrast to the overlay, supported most strongly by New York Telephone and its affiliate, BANM. The Staff Paper, in its view, misconceives and mischaracterizes both the overlay and the geographic split.

AT&T first challenges staff's judgment that the overlay is simple, convenient, and efficient. It denies that the overlay would provide substantially longer relief, maintaining that its six and one-half years should be compared to the six years AT&T calculates for a 23rd Street split rather than to staff's assertedly erroneous five-year calculation. It sees no advantage with regard to replicability, noting that a split could be followed by an overlay more readily than an overlay could be followed by a split; and, like Teleport, it denies that a 917 service-specific overlay has familiarized New Yorkers with the operation of an overlay in general.

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[1] Teleport's Comments, p. 28.

[2] AT&T's Comments, p. 2. It may be noted that the array of diverse parties cited by AT&T comprises, in addition to CLECs, only the City. The City's comments, moreover, endorse neither split nor overlay, urging only that any relief be delayed as long as possible.

More serious, in AT&T's judgment, is the Staff Paper's underestimation of the anticompetitive effect of the overlay. AT&T sees local number portability as insufficient to insure that all carriers have equal and non-discriminatory access to telephone numbers and, like Teleport, insists that number pooling is needed to achieve that result. AT&T suggests that the Staff Paper confuses the two and notes that while LNP is a technology needed for number pooling, pooling requires, in addition, various rules and procedures that the Commission may adopt. Although AT&T believes the schedule for numbers portability can be met, it sees no indication that it will be met and it warns against relying on it. Finally, AT&T notes that the Staff Paper suggests no mechanism for enforcing New York Telephone's adherence to the FCC's Central Office Code Assignment Guidelines and no explanation of how discrimination in those assignments would be prevented or deterred. Nor, it adds, are enforcement mechanisms specified for implementing permanent number portability.

Turning to the geographic split, AT&T acknowledges that the Staff Paper correctly identifies most of its advantages but charges that it exaggerates its disadvantages. It first corrects the potential implication, already noted, that AT&T had proposed to retain the 212 area code south of 23rd Street and stresses that the split AT&T in fact proposed would require only 40%, rather than 60%, of Manhattan customers to change their area code. AT&T also expresses uncertainty about the Staff Paper's estimate of 70,000 pocket customers, noting that the figure developed at the collaborative conference when the 23rd Street split was discussed was only 25,000.[1] AT&T goes on to discount the Staff Paper's statement that a geographic split would diminish the value of permanent number portability inasmuch as numbers would be portable only within the new smaller area codes; it notes that, in any event, even within an area code a number is

[1] As already explained, the 70,000 figure includes the effect of a 718 split.

portable only within a rate center.[1] Finally, AT&T sees no need for concern that customers outside New York City would be confused about which side of the boundary a particular party is on. It notes that distant customers would be unlikely to recognize any geographic boundaries and either know the number they are calling or do not; meanwhile, customers within New York are likely to be able to tell whether a particular party is north or south of 23rd Street.

Notwithstanding its strong preference for a geographic split, AT&T propounds a series of conditions that would have to be imposed on an overlay plan, were we to adopt one, "to preserve and promote opportunities for local exchange competition."[2] At a minimum, AT&T would call for the following:

- permanent number portability throughout Manhattan by the end of 1997, rather than by the current deadline of March 31, 1998, in order to allow adequate lead time for implementation of an alternate plan if the deadline is missed

- procedures for number pooling to be in place by the end of 1997; initially, pooling would take the form of assigning numbers to carriers in blocks of 1,000 rather than 10,000, and, in the longer term, any unassigned number in any NXX code should be available to any carrier

- arrangements for the assignment, to any requesting carrier, of at least one NXX-X Code (i.e., a block of 1,000 numbers) within the 212 area code for each rate center within Manhattan, and strict enforcement of number assignment guidelines with the possibility of ordering a geographic split if the guidelines are violated

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[1] Rate Centers are central offices grouped together for the purpose of pricing toll service.

[2] AT&T's Comments, p. 10.

- fees charged by the Central Office Code Administrator for opening a NXX code to be limited to forward-looking economically-efficient costs of numbering administration
- mandatory 11-digit dialing, consistent with FCC requirements
- the overlay to apply equally, "both on its face and in its operation,"[1] to all carriers and services

In regard to the final point, AT&T notes the Staff Paper's provision that only after the 917 area code was exhausted would new wireless and wireline customers be assigned to the same area code. But because the 212 area code will be exhausted before 917, the 646 code overlaid on 212 would be available, as a practical matter, only to wireline carriers until 917 ran out. During that interval, 646 would be a technology-specific area code (limited to wireline), in violation of the FCC rules precluding such arrangements. AT&T suggests we avoid the problem either by ordering an all-services overlay of 212 with 917, followed by an all-services overlay of 646 once 917 ran out, or by an immediate all-services overlay of 212 with 646, reserving the remainder of 917 for a non-technology-specific use, such as an all-services overlay of 718 when it is needed.

MCI

MCI, which earlier in the proceeding favored a geographic split, emphasizes in its comments the conditions that would make an overlay acceptable and says it would favor a geographic split if those conditions were not met. It acknowledges that its first two conditions--universal 11-digit dialing and permanent number portability on schedule--are included in the Staff Paper's recommendations. But MCI disputes the Staff Paper's suggestion that permanent number portability insures that all carriers have equal access to numbering

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[1] Ibid., p. 12.

resources and obviates pooling, noting that "number portability only allows carriers to access assigned numbers serving existing customers. Number pooling, on the other hand, allows more than one carrier to access unused and unassigned numbers in an NXX."[1] Without pooling, it continues, CLECs, with their limited supply of NXX codes in the 212 area code, would be disadvantaged in their ability to serve new customers and existing customers wanting to add lines.

MCI goes on to explain that under current practices, a carrier may reserve a block of 10,000 numbers and leave many of them unused. Number pooling would permit more than one carrier to use phone numbers from a single NXX block and, according to MCI, is regarded by the INC Central Office Code Assignment Guidelines as a device that should be considered when an area code is in a jeopardy situation. It suggests that the Central Office Code Administrator be required to assign numbers to carriers in blocks of 1,000 rather than blocks of 10,000 and that carriers holding assigned blocks of 10,000 numbers share unused or underutilized numbers in blocks of 1,000. Doing so would provide CLECs access to more numbers in the existing area code, thereby mitigating the competitive disadvantages of an overlay. MCI recognizes that pooling is being examined at the national level but notes that it is also being examined at the state level in Georgia, Illinois, and Pennsylvania, among others. It urges us to order carriers to develop a number pooling plan in New York City, noting our role in bringing carriers together at the state level to work on number portability and suggesting that we could play the same role with respect to number pooling.

MCI therefore urges that the Staff Report overlay plan be amended to include number pooling and that, in adopting any area code relief measures, we order all telecommunications carriers with NXX codes in the 212 and 718 area codes to develop a number pooling plan.

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[1] MCI's Comments, p. 5 (emphasis in original).

Time Warner

Time Warner offers "qualified support"[1] for the Staff Paper overlay plan. Noting that it generally objects to overlays because of their anticompetitive attributes, Time Warner recognizes that the absence of natural boundaries within Manhattan makes a geographic split more difficult to carry out and suggests as well that the comparatively advanced state of competition in New York City provides a basis for qualified support of the overlay.

Time Warner goes on to explain that, as a facilities-based new entrant with a network in Manhattan, it is concerned about the effects of a geographic split on its own customers, many of whom would be required to undergo a telephone number change a second time (with respect, at least, to the area code if not to the entire seven-digit number), having only recently done so in becoming a Time Warner subscriber.

While it supports the Staff Paper's overlay given the conditions in New York City, Time Warner, like other CLECs, emphasizes the need to ensure that it is competitively neutral. It favors not only universal 11-digit dialing and number portability but also number pooling, given the widespread belief that 212 numbers will remain desirable.

BANM

BANM favors an overlay, citing the various arguments in its favor offered in the Staff Paper. It asserts that competitive fairness is ensured by universal 11-digit dialing, as required by the FCC, and by the FCC's determination that "allowing every telecommunications carrier [serving in an area code] to have at least one NXX in the existing NPA will also reduce the potential anticompetitive effect of an area code overlay."[2] BANM notes that the FCC declined to require permanent

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[1] Time Warner's Comments, p. 3.

[2] BANM's Comments, p. 4, citing FCC 97-74, Appendix to part 52, ¶288.

number portability as a prerequisite to an overlay but that the availability of that device renders moot any anticompetitive claims. It adds that the Colorado Public Utilities Commission recently approved an overlay and, in so doing, noted that anticompetitive effects could be alleviated by a combination of permanent number portability, proper conservation and management of remaining NXX codes, universal 11-digit dialing, and NXX set asides. It asserts as well that certain CLECs, though given the opportunity, refused, in interrogatory responses, to provide evidence supporting a claim of competitive harm.[1]

BANM goes on to endorse the arguments against a geographic split presented in the Staff Paper, noting the burdens of changed phone numbers. It also cites the burdens that would be imposed on cellular customers in the 917 area code if they were not grandfathered in their existing numbers.[2]

Finally, BANM cites the overlays adopted in Maryland, Georgia, and Colorado. It notes, among other things, the Colorado Commission's observation that an overlay promotes code conservation, inasmuch as it uses NXX codes with the new area code for growth purposes only, in contrast to a geographic split, where new codes need to be assigned earlier to allow for a permissive dialing period.

Consumer Protection Board

CPB would favor a suitably conditioned overlay if a new area code were adopted, but it urges that we first determine whether new technologies can postpone the need to do so. It believes that staff's projected exhaust dates may fail to take account of the degree to which number pooling may permit fuller use of numbering resources and to which local number portability will reduce the demand for new telephone numbers. Suggesting that more than 1.5 million available telephone numbers in the 212

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[1] BANM's Comments, p. 4, citing NYT-MCI 19 and NYT-MCI 20.

[2] As already noted, the grandfathering of 917 customers was universally supported and is approved.

NPA have not yet been assigned to customers,[1] CPB calculates that even assuming annual access line growth of 10% a year, a higher rate than actually exists, enough telephone numbers remain to satisfy demand for at least a year. It surmises that the large number of unassigned numbers results from numbers being allocated in blocks of 10,000 and that pooling, which would permit assignment of numbers in much smaller blocks, could use numbers more efficiently and forestall the need for area code relief. CPB notes in this regard that the Pennsylvania Commission recently ordered the industry to adopt number pooling as soon as local number portability is available and that the Colorado Commission recently required new telephone numbers to be distributed in blocks of 1,000.

CPB disputes staff's suggestion that an accelerated schedule for number pooling should not be considered in New York and that a national determination should be awaited. Noting New York's leadership in removing barriers to competition, CPB urges us to continue that lead by considering an accelerated schedule for number pooling, which would permit postponing the dislocations associated with an area code change.

CPB also objects to introducing a new area code for the current 718 area before the expected exhaust date of 2000.[2] It sees no justification for the Staff Paper's suggestion that the new area code be introduced in 1998, even though telephone numbers would not be assigned from it until the old code were exhausted. CPB expresses concern that introducing a new area code so long before it was needed would be confusing to customers.

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[1] Comprising, by CPB's calculation (CPB's Comments, p. 5) 1.28 million numbers allocated to New York Telephone and approximately 300,000 telephone numbers allocated to CLECs and not assigned to customers. The Communications Division estimates the latter figure to be 775,000.

[2] That is the date specified in the Staff Paper. Our best current estimate is that 718 will reach exhaust early in 1999.

Finally, if a new area code were needed, CPB would use an overlay. It notes the dislocations and expense associated with the telephone number changes that would be occasioned by a geographic split, as well as the absence of natural boundaries in Manhattan. To mitigate the anticompetitive effects of an overlay, CPB would require, as prerequisites, local number portability and number pooling. And to insure that local number portability and number pooling were implemented on schedule, it would have us determine that New York Telephone's failure to meet the schedule would cause all remaining telephone numbers in the 212 area code to be reserved for CLECs, while New York Telephone would be required to assign new customers only from the new area code.

New York City

Taking no position on the relative merits of an overlay and a geographic split, New York City strongly urges us to consider other options, including number pooling, unassigned number porting, rate center consolidation, and eight-digit local dialing, that would forestall the need for new area codes and the dislocations they entail. It disputes the Staff Paper's premise that such matters must be considered on a national level; regards it as "unfair to consumers that a significant number of telephone numbers remain unused because of a lack of industry consensus on number pooling"[1]; and urges us to implement a pooling scheme as soon as possible.

Like CPB, the City urges that area code relief not be specified now for the 718 area code. It recognizes that 718 will exhaust in two or three years, but suggests, again, that technological solutions may prolong its life.

Finally, the City urges us to authorize a survey, independent of New York Telephone but funded by it as code administrator, "to discern residential and business preferences for the traditional relief options of geographic split and

[1] New York City's Comments, p. 4.

overlay, giving survey respondents updated information regarding area code options such as technological solutions to forestall area code relief and the truer, longer exhaust periods for the split option."[1]

Manhattan Borough President

The Manhattan Borough President's Office concurs with the Staff Paper and supports the overlay. It acknowledges the potential anticompetitive effects of an overlay but believes they are effectively dealt with by the mitigating measures described in the Staff Paper and that competitive considerations must be balanced against other effects on business and residential customers. In this regard it notes the forced number changes associated with the geographic split, the absence of natural boundaries within Manhattan, the division of existing communities by a geographic split, and the cost and confusion associated with these consequences. It suggests that the inconvenience of 11-digit dialing may be unavoidable, regardless of the choice made here; and it notes that constituents who have contacted the Borough President's Office have generally preferred an overlay, noting that it does not favor one community over another.

PUBLIC INVOLVEMENT

Formal Public Statement Hearings

As noted earlier, six formal public statement hearings were held, attracting a total of 18 speakers; representatives of three parties also made statements. Two were held in Manhattan (an afternoon hearing at our offices and an evening session at Mt. Sinai Hospital) and one in each of the remaining boroughs (afternoon hearings in Brooklyn and The Bronx; evening hearings in Queens and Staten Island.)

Of the 18 speakers, 15 favored the overlay, one favored the geographic split, and two expressed no clear preference. (One, Mr. Alan Flacks, noted the importance of maintaining City-

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[1] Ibid., p. 6.

wide Directory Assistance.) The speakers favoring the overlay stressed the difficulties that new telephone numbers would cause for senior citizens and visually impaired telephone users, as well as the costs they would impose on small businesses. The advocate of a split (a representative of the Brooklyn Borough President) noted the usefulness of maintaining an NPA's geographic identity, the burdens of universal 11-digit dialing, and the competitive implications. He argued, however, that in any split, Brooklyn should be permitted to retain 718.

Informal Outreach and Education

Consumer Services Division (CSD) Outreach and Education staff, assisted by other staff members, conducted a comprehensive consumer outreach and education program in the five boroughs of New York City. The primary objective of the program was to inform the affected customers of the need for additional area codes, explain the pros and cons of the various relief mechanisms, and gain an understanding of their preferences.

During the course of the proceeding, staff made more than 15 presentations to large groups of leaders of residential and business organizations in Manhattan and the other boroughs. In addition, staff participated in eight meetings of community and small business leaders, observed focus group meetings sponsored by NYNEX, and provided information at two large expositions in New York City (the Getting Down to Business Fair and the Black Expo).

Staff also arranged for the widespread dissemination of literature on the proceeding. Two Consumer Alerts describing the NYNEX proposal were distributed throughout the City, via the offices of the five Borough Presidents, all the Community Boards, and every public library branch. The Office of External Affairs issued press releases that led to extensive media coverage, including a number of interviews on local television and cable stations.

Staff also publicized the availability of the Department's toll-free Opinion Line and the web site Customer

Comment Forum address as means by which consumers could offer their comments, suggestions, and preferences. Finally, staff held informational forums before each of the six scheduled public statement hearings in the five boroughs.

A large majority of persons who expressed preferences at public events and through the Opinion Line favored the overlay. The overlay choice was largely based on the desire of most current customers to retain their 212 area code. Those who favored the split felt that an area code should define a particular geographic part of Manhattan. Comments called repeatedly for us to take the lead in developing a long-term solution to area code exhaust and noted the need for a comprehensive consumer education and advertising campaign and a long permissive dialing period after a decision is made. Attachment C summarizes the public comment resulting from this process.

DISCUSSION AND CONCLUSION

Need for Relief

The City, CPB, and Teleport all suggest that the need for an additional area code, and the burdens associated with any means of providing it, could be forestalled by other measures, such as more efficient administration by New York Telephone of the resources available in New York City's existing NPAs, including number pooling. But while these parties point to the correct threshold question, no one has shown any error in our initial premise (on which we acted in instituting the proceeding) that relief in 212 would be needed during the first half of 1998 and relief in 917 would be needed in the second half of 1999.

The Staff Paper speaks, in this regard, of staff's general satisfaction with New York Telephone's management of numbering resources, noting that its number utilization (i.e., the percentage of numbers within an assigned NXX actually in use) approaches 80%, among the highest such factors in the country; that its demand growth forecasts are conservative; and that needed NXX code assignments often exceed projections. Teleport

questions the significance of the 80% use factor, suggesting it may be tied to the comparatively low number of rate centers in the 212 NPA,[1] and noting that at some central offices, such as Broad Street, the utilization factor is considerably lower. But while a paucity of rate centers can indeed elevate number utilization data, implying that the 80% is overstated, other factors may cause it to be understated and therefore less likely to be subject to increase by the company's efforts. For example, the 80% figure does not reflect lines recently vacated by customers and still intercepted; such lines cannot be assigned to new customers until the intercept period expires, and taking account of them in the computation would increase the factor even further. Relatedly, the Broad Street central office is one characterized by very large customers. A single customer discontinuing service (such as by moving to New Jersey) may vacate a large number of lines, significantly depressing the utilization factor. Moreover, the CLECs, for the most part, have substantially lower number utilization rates than New York Telephone[2] and correspondingly more available 212 numbers in proportion to their much smaller shares of the market.

We see no basis for any suggestion that more efficient number resource administration could significantly delay the need for a new area code in Manhattan, and the potential disruption of telephone service in Manhattan is too high a price to pay for a small delay in the relief date. Given the unthinkable consequences of being unable to provide telephone service in Manhattan promptly, a new area code is better provided slightly

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[1] Every local exchange carrier wishing to serve a rate center must have at least one NXX assignment in it; therefore, a large number of rate centers in an NPA will tend to depress number utilization factors, since more NXX codes must be assigned even if each is used only in small part.

[2] Comprehensive figures are not available because some CLECs have not responded to requests for information on the number of lines they serve. The best information available to us suggests an overall CLEC utilization rate of only 15%.

too soon (should that in fact be the case) than slightly too late.

That said, we must recognize that recent months have seen a precipitous drop in the number of NXX codes remaining available for assignment in the 212 NPA (as well as some others). This drop appears due, in large measure, to CLECs increasing the pace of their requests for NXX assignments. In these circumstances, steps are needed to ensure that assignments are made in a manner that properly conserves available resources, and, as discussed below, we are directing counsel to examine the steps that may be taken.

Comparing the Remedies

1. The Geographic Split

With limited recent exceptions, NPAs have been geographically defined, and an overlay would represent a novel departure. (Contrary to the Staff Paper's suggestion, the 917 overlay cannot really be cited as precedent; as a primarily service-specific overlay, it seems to have a clear definition that, like a geographic boundary, can easily be recognized.) Once the need to provide a new NPA is recognized, therefore, the weight of history leads one naturally to think in terms of a geographic split. But a geographic split in Manhattan also would be novel, in that geographic splits have historically followed natural, political, or telephone company service territory boundaries, none of which exist within the borough; and assigning one area code to addresses north of 23rd Street and another to addresses to the south (particularly avenue addresses, whose associated cross streets are not immediately apparent) is a far cry from assigning one to Brooklyn and another to Manhattan. These considerations are not, of course, dispositive, but they suggest that the overlay's novelty alone is no reason to choose the split.

One significant drawback to a geographic split, and the one emphasized in most of the comments on the case, is its requirement that many subscribers change area codes and that

some, albeit relatively few, receive totally new telephone numbers. That requirement gives rise to several concerns. First, and emphasized most strongly by the commenting public, are the burdens imposed by any changes of this sort on many elderly and visually impaired people, for whom predictability can make day-to-day living easier. Relatedly, business customers (and, to a much lesser degree, residential customers) whose telephone numbers are changed will incur potentially significant expense in publicizing their new numbers and ensuring that their callers are able to maintain contact with them. More specifically, the supposed cachet of the 212 area code makes many subscribers, especially businesses, reluctant to give it up, lest their callers not recognize their Manhattan associations.

The interplay of these factors is made evident by the disagreement between AT&T and staff over which zone would retain 212 if Manhattan were split at 23rd Street. AT&T's proposal would have left 212 to the north and assigned 646 to the south, thereby requiring only 40% of Manhattan customers to change their area codes. The Staff Paper, on the other hand, would leave 212 to the south, to "minimize disruption in lower Manhattan where information and telecommunications intensive financial service centers are located."[1] Meanwhile, various other comments have suggested that the lower Manhattan financial district, because of its sophistication, would be better able to cope with a changed area code, or that assigning the new code to the north could be seen as discriminatorily favoring the financial district. All of these factors greatly complicate the use of a geographic split and favor a mechanism that requires no subscriber to give up an existing telephone number.

Finally, regardless of whether AT&T or staff is correct about the duration of a 23rd Street split--and their difference of one year becomes less significant when all other factors are taken into account--it is true a priori that no split can provide longer-lasting relief than an overlay, and only an unattainably

[1] Staff Paper, p. 14.

ideal split can provide the same degree of relief. All else equal, therefore, an overlay would be preferable on these grounds alone.

2. The Overlay

But all else, of course, is not equal, and the proceeding identified various drawbacks to an overlay. One--its novelty--already has been alluded to. People would no doubt find it strange to have area codes that differed from those of their immediate neighbors. But it overstates the matter to suggest this would be seen as dividing communities; among other things, there would be no clear dividing line.

More serious is the possible need for 11-digit dialing even within the same NPA, as currently required by the FCC. This would constitute a considerable inconvenience, even though mitigated by the use of tone rather than rotary dialing and, for some customers, by various forms of abbreviated dialing equipment. The Staff Paper may be right that some day, 11-digit dialing will be universal, but that day is not yet here. Even though a geographic split also would cause increased 11-digit dialing, a universal need to dial 11 digits on calls within Manhattan would have to be seen as a drawback to an overlay. (We discuss below the steps to be taken to avoid imposition of that requirement.)

Finally, the competitive concerns raised by the CLECs must be addressed. Even if those concerns are overstated (as suggested by the CLECs' proportional advantage in numbering resources, referred to above), the importance attached to the 212 area code requires steps to ensure that all LECs have equal access to available 212 numbers and that 11-digit dialing is not seen as needed to promote fair competition.

At case-end, only Teleport among the CLECs takes a position firmly opposed to an overlay. Given adequate pro-competitive conditions, Time Warner favors an overlay and AT&T and MCI would find it acceptable. The conditions, therefore, are of particular importance.

3. Overlay Conditions

The Staff Paper's first condition is that New York Telephone, as code administrator, be required to adhere strictly to the anti-discrimination provisions of the code assignment guidelines. The condition is easy to impose (indeed, it should go without saying), but it cannot, standing alone, resolve the concerns raised about the overlay.

The second condition referred to in the Staff Paper, 11-digit dialing throughout Manhattan, poses difficulties already discussed. Though sought by the CLECs, assumed in the Staff Paper, and required by the FCC, 11-digit dialing represents a substantial burden on customers. But while intra-NPA 11-digit dialing may help the CLECs overcome the burden of having their subscribers disproportionately assigned to the new NPA (by subjecting calls to and from New York Telephone customers to the same degree of 11-digit dialing), that form of protection becomes far less important in view of the other conditions we are imposing to ensure parity of access to numbers in 212.

Perhaps most significant is the Staff Paper's recommendation that permanent LNP be a precondition to any overlay. LNP is being introduced on schedule, and the process should be completed in advance of the date on which an overlay would go into effect. With number portability in effect, no New York Telephone customer would have to sacrifice an existing telephone number or area code in order to take service from a CLEC instead.

Where the Staff Paper and the CLECs part company is on the need for number pooling. Taking strong issue with the Staff Paper's statement that LNP obviates pooling and will itself make "all numbers in all NPAs . . . equally accessible to all LECs,"[1] the CLECs, as recounted in detail above, maintain that LNP ensures parity only with regard to numbers already assigned to customers, but that only pooling can make unassigned numbers in 212 equally available to CLECs. They likewise contest the view

[1] Staff Paper, p. 13.

that pooling should not be required until it is considered on a national basis.

At our session of September 30, 1997, we directed staff to examine, in collaboration with representatives of affected segments of the industry, the feasibility of expedited introduction of number pooling. Three meetings were held, at which the participants generally agreed, first, to retain the existing schedule for permanent LNP (a precondition to pooling), which calls for LNP to be in place in Manhattan by April 1, 1998. With respect to pooling itself, the participants organized a steering committee and four working groups looking toward expedited introduction of number pooling, with the 212 area code to be accorded the highest priority.

It now appears that while technical limitations related to the data bases used to route calls to pooled numbers may slow down the full deployment of number pooling, it is not unreasonable to anticipate that number pooling will be introduced in Manhattan by April 1, 1998 (coincident with the availability of permanent LNP) and extended to New York City's other boroughs by January 1, 1999. New York Telephone has submitted a letter committing itself to exercising its best efforts to achieve number pooling in New York by April 1, 1998, and we fully expect the other participants in the industry to work toward that goal as well.

Conclusion Regarding
New Area Code Implementation

Taking account of all the factors described above, we conclude that the advantages of an overlay in comparison with a geographic split far outweigh its disadvantages. Its benefits include its longevity, its avoidance of forced number changes, its avoidance of inevitably controversial divisions, and its apparent public support. An adequate public education program should limit any confusion that might be occasioned by its novelty, and the introduction of number pooling should obviate most competitive concerns.

Accordingly, we are directing the activation of the 646 area code as an overlay for Manhattan, effective April 1, 1998, on the terms described below. To deal with these issues on a coordinated, City-wide basis, we are directing as well that the 347 area code be activated as an overlay for Brooklyn, The Bronx, Queens, and Staten Island, effective January 1, 1999, a date that recognizes current estimates of when the 718 area code will reach exhaust and that allows time for the introduction of number pooling in the 718 NPA. These overall determinations are to be carried out in accordance with the following terms and conditions:

1. Outreach and Education. New York Telephone is to conduct, after consulting with staff and taking account of staff's suggestions, a comprehensive outreach and education program to acquaint the public with each of the overlays and its operation in advance of the overlay going into effect. It will be required to submit for staff review, within 30 days of the date of this order, its plan for the outreach and education programs for the Manhattan overlay. A corresponding plan for the overlay in the other boroughs should be submitted by July 1, 1998. Other carriers providing local service within New York City should similarly provide their customers information regarding the new area codes in advance of their activation.

2. Telephone Directories and Directory Assistance. During its 1998 telephone directory publishing cycle, New York Telephone is to issue, for all New York City boroughs, telephone directories setting forth each telephone number with its area code. Distribution of those directories is to be completed by November 1998.

In addition, all providers of directory assistance service in New York City shall satisfy the following requirements (insofar as they are not already satisfied), by not later than April 1, 1998 with respect to Manhattan and January 1, 1999 with respect to the other boroughs: (1) the directory assistance response for any telephone number shall include the area code if specification of the area code is needed to enable the customer

to complete the call; and (2) a customer calling directory assistance by dialing either of the area codes assigned to an overlay area (or by dialing 411 from within an overlay area) shall be able to gain information regarding every telephone number within the overlay area, regardless of its area code. (For purposes of this requirement, an "overlay area" means either Manhattan or the other boroughs; directory assistance providers are free, of course, to go beyond these requirements and provide City-wide directory assistance regardless of which of the City's area codes is used in dialing directory assistance.)

3. Number Portability and Pooling. Permanent LNP is to be introduced on its current schedule, i.e., by April 1, 1998 throughout the City. The staff/industry committees working to introduce number pooling should continue their work, and, as noted above, we anticipate the availability of number pooling in Manhattan by April 1, 1998 and throughout the City by January 1, 1999. (Achievement of the latter goal may be facilitated by measures to relieve capacity demands on call routing databases, and such measures should be examined.)

4. Rate Center Consolidation. The movement of long distance telephone rates toward a zone structure may have made rate centers less important than they used to be. Staff and the industry should examine whether the consolidation of rate centers could be a means for conserving NXX code assignments and relieving pooled number capacity demands in New York City and in other area codes nearing exhaust.

5. Dialing Requirements. If the federal dialing requirements associated with overlays remain in effect, they will best be implemented on a City-wide basis after both overlays have been activated. That approach would avoid the confusion and disruption occasioned by piecemeal introduction of the requirements. Moreover, it would allow time for all telephone service providers in the City (including customers operating their own telephone network equipment, such as private branch exchanges or alarm systems) to make the network and equipment modifications necessary to comply with the requirements and to