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Before the
Federal Communications Commission
Washington, DC 20554

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In the Matter of)	
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Implementation of the Local Competition Provisions in the Telecommunications Act of 1996)	CC Docket No. <u>96-98</u>
)	
)	
Interconnection between Local Exchange Carriers and Commercial Mobile Radio Service Providers)	CC Docket No. 95-185
)	
)	

FIRST REPORT AND ORDER

Adopted: August 1, 1996

Released: August 8, 1996

By the Commission: Chairman Hundt and Commissioners Quello, Ness, and Chong issuing separate statements.

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I. INTRODUCTION, OVERVIEW, AND EXECUTIVE SUMMARY

A. The Telecommunications Act of 1996 - A New Direction

1. The Telecommunications Act of 1996¹ fundamentally changes telecommunications regulation. In the old regulatory regime government encouraged monopolies. In the new regulatory regime, we and the states remove the outdated barriers that protect monopolies from competition and affirmatively promote efficient competition using tools forged by Congress. Historically, regulation of this industry has been premised on the belief that service could be provided at the lowest cost to the maximum number of consumers through a regulated monopoly network. State and federal regulators devoted their efforts over many decades to regulating the prices and practices of these monopolies and protecting them against competitive entry. The 1996 Act adopts precisely the opposite approach. Rather than shielding telephone companies from competition, the 1996 Act requires telephone companies to open their networks to competition.

2. The 1996 Act also recasts the relationship between the FCC and state commissions responsible for regulating telecommunications services. Until now, we and our state counterparts generally have regulated the jurisdictional segments of this industry assigned to each of us by the Communications Act of 1934. The 1996 Act forges a new partnership between state and federal regulators. This arrangement is far better suited to the coming world of competition in which historical regulatory distinctions are supplanted by competitive forces. As this Order demonstrates, we have benefitted enormously from the expertise and experience that the state commissioners and their staffs have contributed to these discussions. We look forward to the continuation of that cooperative working relationship in the coming months as each of us carries out the role assigned by the 1996 Act.

3. Three principal goals established by the telephony provisions of the 1996 Act are: (1) opening the local exchange and exchange access markets to competitive entry; (2) promoting increased competition in telecommunications markets that are already open to competition, including the long distance services market; and (3) reforming our system of universal service so that universal service is preserved and advanced as the local exchange and exchange access markets move from monopoly to competition. In this rulemaking and related proceedings, we are taking the steps that will achieve the pro-competitive, deregulatory goals of the 1996 Act. The Act directs us and our state colleagues to remove not only statutory and regulatory impediments to competition, but economic and operational impediments as well. We are directed to remove these impediments to competition in all telecommunications markets, while also preserving and advancing universal service in a manner fully consistent with competition.

¹ Telecommunications Act of 1996, Pub. L. No. 104-104, 110 Stat. 56, *to be codified at* 47 U.S.C. §§ 151 *et. seq.* Hereinafter, all citations to the 1996 Act will be to the 1996 Act as codified in the United States Code.

4. These three goals are integrally related. Indeed, the relationship between fostering competition in local telecommunications markets and promoting greater competition in the long distance market is fundamental to the 1996 Act. Competition in local exchange and exchange access markets is desirable, not only because of the social and economic benefits competition will bring to consumers of *local* services, but also because competition eventually will eliminate the ability of an incumbent local exchange carrier to use its control of bottleneck local facilities to impede free market competition. Under section 251, incumbent local exchange carriers (LECs), including the Bell Operating Companies (BOCs), are mandated to take several steps to open their networks to competition, including providing interconnection, offering access to unbundled elements of their networks, and making their retail services available at wholesale rates so that they can be resold. Under section 271, once the BOCs have taken the necessary steps, they are allowed to offer long distance service in areas where they provide local telephone service, if we find that entry meets the specific statutory requirements and is consistent with the public interest. Thus, under the 1996 Act, the opening of one of the last monopoly bottleneck strongholds in telecommunications -- the local exchange and exchange access markets -- to competition is intended to pave the way for enhanced competition in *all* telecommunications markets, by allowing all providers to enter all markets. The opening of all telecommunications markets to all providers will blur traditional industry distinctions and bring new packages of services, lower prices and increased innovation to American consumers. The world envisioned by the 1996 Act is one in which all providers will have new competitive opportunities as well as new competitive challenges.

5. The Act also recognizes, however, that universal service cannot be maintained without reform of the current subsidy system. The current universal service system is a patchwork quilt of implicit and explicit subsidies. These subsidies are intended to promote telephone subscribership, yet they do so at the expense of deterring or distorting competition. Some policies that traditionally have been justified on universal service considerations place competitors at a disadvantage. Other universal service policies place the incumbent LECs at a competitive disadvantage. For example, LECs are required to charge interexchange carriers a Carrier Common Line charge for every minute of interstate traffic that any of their customers send or receive. This exposes LECs to competition from competitive access providers, which are not subject to this cost burden. Hence, section 254 of the Act requires the Commission, working with the states and consumer advocates through a Federal/State Joint Board, to revamp the methods by which universal service payments are collected and disbursed.² The present universal service system is incompatible with the statutory mandate to introduce efficient competition into local markets, because the current system distorts competition in those markets. For example, without universal service reform, facilities-based entrants would be forced to

² *Federal-State Joint Board on Universal Service*, CC Docket No. 96-45, Notice of Proposed Rulemaking and Order Establishing Joint Board, FCC 96-93 (rel. Mar. 8, 1996) (*Universal Service NPRM*).

compete against monopoly providers that enjoy not only the technical, economic, and marketing advantages of incumbency, but also subsidies that are provided only to the incumbents.

B. The Competition Trilogy: Section 251, Universal Service Reform and Access Charge Reform

6. The rules that we adopt to implement the local competition provisions of the 1996 Act represent only one part of a trilogy. In this Report and Order, we adopt initial rules designed to accomplish the first of the goals outlined above -- opening the local exchange and exchange access markets to competition. The steps we take today are the initial measures that will enable the states and the Commission to begin to implement sections 251 and 252. Given the dynamic nature of telecommunications technology and markets, it will be necessary over time to review proactively and adjust these rules to ensure both that the statute's mandate of competition is effectuated and enforced, and that regulatory burdens are lifted as soon as competition eliminates the need for them. Efforts to review and revise these rules will be guided by the experience of states in their initial implementation efforts.

7. The second part of the trilogy is universal service reform. In early November, the Federal/State Universal Service Joint Board, including three members of this Commission, will make its recommendations to the Commission. These recommendations will serve as the cornerstone of universal service reform. The Commission will act on the Joint Board's recommendations and adopt universal service rules not later than May 8, 1997, and, we hope, even earlier. Our universal service reform order, consistent with section 254, will rework the subsidy system to guarantee affordable service to all Americans in an era in which competition will be the driving force in telecommunications. By reforming the collection and distribution of universal service funds, the states and the Commission will also ensure that the goals of affordable service and access to advanced services are met by means that enhance, rather than distort, competition. Universal service reform is vitally connected to the local competition rules we adopt today.

8. The third part of the trilogy is access charge reform. It is widely recognized that, because a competitive market drives prices to cost, a system of charges which includes non-cost based components is inherently unstable and unsustainable. It also well-recognized that access charge reform is intensely interrelated with the local competition rules of section 251 and the reform of universal service. We will complete access reform before or concurrently with a final order on universal service.

9. Only when all parts of the trilogy are complete will the task of adjusting the regulatory framework to fully competitive markets be finished. Only when our counterparts at the state level complete implementing and supplementing these rules will the complete blueprint for competition be in place. Completion of the trilogy, coupled with the reduction in burdensome

and inefficient regulation we have undertaken pursuant to other provisions of the 1996 Act, will unleash marketplace forces that will fuel economic growth. Until then, incumbents and new entrants must undergo a transition process toward fully competitive markets. We will, however, act quickly to complete the three essential rulemakings. We intend to issue a notice of proposed rulemaking in 1996 and to complete the access charge reform proceeding concurrently with the statutory deadline established for the section 254 rulemaking. This timetable will ensure that actions taken by the Joint Board in November and this Commission by not later than May 1997 in the universal service reform proceeding will be coordinated with the access reform docket.

C. Economic Barriers

10. As we pointed out in our Notice of Proposed Rulemaking in this docket³, the removal of statutory and regulatory barriers to entry into the local exchange and exchange access markets, while a necessary precondition to competition, is not sufficient to ensure that competition will supplant monopolies. An incumbent LEC's existing infrastructure enables it to serve new customers at a much lower incremental cost than a facilities-based entrant that must install its own switches, trunking and loops to serve its customers.⁴ Furthermore, absent interconnection between the incumbent LEC and the entrant, the customer of the entrant would be unable to complete calls to subscribers served by the incumbent LEC's network. Because an incumbent LEC currently serves virtually all subscribers in its local serving area,⁵ an incumbent LEC has little economic incentive to assist new entrants in their efforts to secure a greater share of that market. An incumbent LEC also has the ability to act on its incentive to discourage entry and robust competition by not interconnecting its network with the new entrant's network or by insisting on supracompetitive prices or other unreasonable conditions for terminating calls from the entrant's customers to the incumbent LEC's subscribers.

11. Congress addressed these problems in the 1996 Act by mandating that the most significant economic impediments to efficient entry into the monopolized local market must be removed. The incumbent LECs have economies of density, connectivity, and scale; traditionally, these have been viewed as creating a natural monopoly. As we pointed out in our NPRM, the local competition provisions of the Act require that these economies be shared with entrants. We believe they should be shared in a way that permits the incumbent LECs to maintain operating efficiency to further fair competition, and to enable the entrants to share the economic benefits of

³ *Implementation of the Local Competition Provisions of the Telecommunications Act of 1996*, CC Docket No. 96-98, Notice of Proposed Rulemaking, FCC 96-182 (rel. Apr. 19, 1996), 61 Fed. Reg. 18311 (Apr. 25, 1996) (NPRM).

⁴ See NPRM at para. 6.

⁵ See NPRM at n.13.

that efficiency in the form of cost-based prices.⁶ Congress also recognized that the transition to competition presents special considerations in markets served by smaller telephone companies, especially in rural areas.⁷ We are mindful of these considerations, and know that they will be taken into account by state commissions as well.

12. The Act contemplates three paths of entry into the local market -- the construction of new networks, the use of unbundled elements of the incumbent's network, and resale. The 1996 Act requires us to implement rules that eliminate statutory and regulatory barriers and remove economic impediments to each. We anticipate that some new entrants will follow multiple paths of entry as market conditions and access to capital permit. Some may enter by relying at first entirely on resale of the incumbent's services and then gradually deploying their own facilities. This strategy was employed successfully by MCI and Sprint in the interexchange market during the 1970's and 1980's. Others may use a combination of entry strategies simultaneously -- whether in the same geographic market or in different ones. Some competitors may use unbundled network elements in combination with their own facilities to serve densely populated sections of an incumbent LEC's service territory, while using resold services to reach customers in less densely populated areas. Still other new entrants may pursue a single entry strategy that does not vary by geographic region or over time. Section 251 neither explicitly nor implicitly expresses a preference for one particular entry strategy. Moreover, given the likelihood that entrants will combine or alter entry strategies over time, an attempt to indicate such a preference in our section 251 rules may have unintended and undesirable results. Rather, our obligation in this proceeding is to establish rules that will ensure that all pro-competitive entry strategies may be explored. As to success or failure, we look to the market, not to regulation, for the answer.

13. We note that an entrant, such as a cable company, that constructs its own network will not necessarily need the services or facilities of an incumbent LEC to enable its own subscribers to communicate with each other. A firm adopting this entry strategy, however, still will need an agreement with the incumbent LEC to enable the entrant's customers to place calls to and receive calls from the incumbent LEC's subscribers.⁸ Sections 251(b)(5) and (c)(2) require incumbent LECs to enter into such agreements on just, reasonable, and nondiscriminatory terms and to transport and terminate traffic originating on another carrier's network under reciprocal compensation arrangements. In this item, we adopt rules for states to apply in implementing these mandates of section 251 in their arbitration of interconnection disputes, as well as their review of such arbitrated arrangements, or a BOC's statement of generally available

⁶ See NPRM at paras. 10-12.

⁷ 47 U.S.C. § 251(f).

⁸ See *infra*, Section IV.A.

terms. We believe that our rules will assist the states in carrying out their responsibilities under the 1996 Act, thereby furthering the Act's goals of fostering prompt, efficient, competitive entry.

14. We also note that many new entrants will not have fully constructed their local networks when they begin to offer service.⁹ Although they may provide some of their own facilities, these new entrants will be unable to reach all of their customers without depending on the incumbent's facilities. Hence, in addition to an arrangement for terminating traffic on the incumbent LEC's network, entrants will likely need agreements that enable them to obtain wholesale prices for services they wish to sell at retail and to use at least some portions of the incumbents' facilities, such as local loops and end office switching facilities.

15. Congress recognized that, because of the incumbent LEC's incentives and superior bargaining power, its negotiations with new entrants over the terms of such agreements would be quite different from typical commercial negotiations. As distinct from bilateral commercial negotiation, the new entrant comes to the table with little or nothing the incumbent LEC needs or wants. The statute addresses this problem by creating an arbitration proceeding in which the new entrant may assert certain rights, including that the incumbent's prices for unbundled network elements must be "just, reasonable and nondiscriminatory."¹⁰ We adopt rules herein to implement these requirements of section 251(c)(3).

D. Operational Barriers

16. The statute also directs us to remove the existing operational barriers to entering the local market. Vigorous competition would be impeded by technical disadvantages and other handicaps that prevent a new entrant from offering services that consumers perceive to be equal in quality to the offerings of incumbent LECs. Our recently-issued number portability Report and Order addressed one of the most significant operational barriers to competition by permitting customers to retain their phone numbers when they change local carriers.¹¹

⁹ Joint Managers' Statement, S. Conf. Rep. No. 104-230, 104th Cong., 2d Sess. 113 (1996) ("Joint Explanatory Statement") at 121.

¹⁰ See 47 U.S.C. § 251(c)(3)

¹¹ *Telephone Number Portability*, CC Docket No. 95-116, First Report and Order and Further Notice of Proposed Rulemaking, FCC 96-286 (rel. July 2, 1996) (*Number Portability Order*). Consistent with the 1996 Act, 47 U.S.C. § 251(b)(2), we required LECs to implement interim and long-term measures to ensure that customers can change their local service providers without having to change their phone number. Number portability promotes competition by making it less expensive and less disruptive for a customer to switch providers, thus freeing the customer to choose the local provider that offers the best value.

17. Closely related to number portability is dialing parity, which we address in a companion order.¹² Dialing parity enables a customer of a new entrant to dial others with the convenience an incumbent provides, regardless of which carrier the customer has chosen as the local service provider. The history of competition in the interexchange market illustrates the critical importance of dialing parity to the successful introduction of competition in telecommunications markets. Equal access enabled customers of non-AT&T providers to enjoy the same convenience of dialing "1" plus the called party's number that AT&T customers had. Prior to equal access, subscribers to interexchange carriers (IXCs) other than AT&T often were required to dial more than 20 digits to place an interstate long-distance call. Industry data show that, after equal access was deployed throughout the country, the number of customers using MCI and other long-distance carriers increased significantly.¹³ Thus, we believe that equal access had a substantial pro-competitive impact. Dialing parity should have the same effect.

18. This Order addresses other operational barriers to competition, such as access to rights of way, collocation, and the expeditious provisioning of resale and unbundled elements to new entrants. The elimination of these obstacles is essential if there is to be a fair opportunity to compete in the local exchange and exchange access markets. As an example, customers can voluntarily switch from one interexchange carrier to another extremely rapidly, through automated systems. This has been a boon to competition in the interexchange market. We expect that moving customers from one local carrier to another rapidly will be essential to fair local competition.

19. As competition in the local exchange market emerges, operational issues may be among the most difficult for the parties to resolve. Thus, we recognize that, along with the state commissions and the courts, we will be called upon to enforce provisions of arbitrated agreements and our rules relating to these operational barriers to entry. Because of the critical importance of eliminating these barriers to the accomplishment of the Act's pro-competitive objectives, we intend to enforce our rules in a manner that is swift, sure, and effective. To this end we will review, with the states, our enforcement techniques during the fourth quarter of 1996.

20. We recognize that during the transition from monopoly to competition it is vital that we and the states vigilantly and vigorously enforce the rules that we adopt today and that will be adopted in the future to open local markets to competition. If we fail to meet that responsibility, the actions that we take today to accomplish the 1996 Act's pro-competitive, deregulatory objectives may prove to be ineffective.

¹² NPRM paras. 202-219.

¹³ Federal Communications Commission, STATISTICS OF COMMUNICATIONS COMMON CARRIERS 1994-95, at 344, Table 8.8; Federal Communications Commission, REPORT ON LONG DISTANCE MARKET SHARE, Second Quarter 1995, at 14, table 6 (Oct. 1995).

E. Transition

21. We consider it vitally important to establish a "pro-competitive, deregulatory national policy framework"¹⁴ for local telephony competition, but we are acutely mindful of existing common carrier arrangements, relationships, and expectations, particularly those that affect incumbent LECs. In light of the timing issues described above, we think it wise to provide some appropriate transitions.

22. In this regard, this Order sets minimum, uniform, national rules, but also relies heavily on states to apply these rules and to exercise their own discretion in implementing a pro-competitive regime in their local telephone markets. On those issues where the need to create a factual record distinct to a state or to balance unique local considerations is material, we ask the states to develop their own rules that are consistent with general guidance contained herein. The states will do so in rulemakings and in arbitrating interconnection arrangements. On other issues, particularly those related to pricing, we facilitate the ability of states to adopt immediate, temporary decisions by permitting the states to set proxy prices within a defined range or subject to a ceiling. We believe that some states will find these alternatives useful in light of the strict deadlines of the law. For example, section 252(b)(4)(C) requires a state commission to complete the arbitration of issues that have been referred to it, pursuant to section 252(b)(1), within nine months after the incumbent local exchange carrier received the request for negotiation. Selection of the actual prices within the range or subject to the ceiling will be for the state commission to determine. Some states may use proxies temporarily because they lack the resources necessary to review cost studies in rulemakings or arbitrations. Other states may lack adequate resources to complete such tasks before the expiration of the arbitration deadline. However, we encourage all states to complete the necessary work within the statutory deadline. Our expectation is that the bulk of interconnection arrangements will be concluded through arbitration or agreement, by the beginning of 1997. Not until then will we be able to determine more precisely the impact of this Order on promoting competition. Between now and then, we are eager to continue our work with the states. In this period, as set forth earlier, we should be able to take major steps toward implementing a new universal service system and far-reaching reform of interstate access. These reforms will reflect intensive dialogue between us and the states.

23. Similarly, as states implement the rules that we adopt in this order as well as their own decisions, they may find it useful to consult with us, either formally or informally, regarding particular aspects of these rules. We encourage and invite such inquiries because we believe that such consultations are likely to provide greater certainty to the states as they apply our rules to specific arbitration issues and possibly to reduce the burden of expensive judicial proceedings on states. A variety of formal and informal procedures exist under our rules for such consultations, and we may find it helpful to fashion others as we gain additional experience under the 1996 Act.

¹⁴ Joint Explanatory Statement at 1.

F. Executive Summary**1. Scope of Authority of the FCC and State Commissions**

24. The Commission concludes that sections 251 and 252 address both interstate and intrastate aspects of interconnection, resale services, and access to unbundled elements. The 1996 Act moves beyond the distinction between interstate and intrastate matters that was established in the 1934 Act, and instead expands the applicability of national rules to historically intrastate issues, and state rules to historically interstate issues. In the Report and Order, the Commission concludes that the states and the FCC can craft a partnership that is built on mutual commitment to local telephone competition throughout the country, and that under this partnership, the FCC establishes uniform national rules for some issues, the states, and in some instances the FCC, administer these rules, and the states adopt additional rules that are critical to promoting local telephone competition. The rules that the FCC establishes in this Report and Order are minimum requirements upon which the states may build. The Commission also intends to review and amend the rules it adopts in this Report and Order to take into account competitive developments, states' experiences, and technological changes.

2. Duty to Negotiate in Good Faith

25. In the Report and Order, the Commission establishes some national rules regarding the duty to negotiate in good faith, but concludes that it would be futile to try to determine in advance every possible action that might be inconsistent with the duty to negotiate in good faith. The Commission also concludes that, in many instances, whether a party has negotiated in good faith will need to be decided on a case-by-case basis, in light of the particular circumstances. The Commission notes that the arbitration process set forth in section 252 provides one remedy for failing to negotiate in good faith. The Commission also concludes that agreements that were negotiated before the 1996 Act was enacted, including agreements between neighboring LECs, must be filed for review by the state commission pursuant to section 252(a). If the state commission approves such agreements, the terms of those agreements must be made available to requesting telecommunications carriers in accordance with section 252(i).

3. Interconnection

26. Section 251(c)(2) requires incumbent LECs to provide interconnection to any requesting telecommunications carrier at any technically feasible point. The interconnection must be at least equal in quality to that provided by the incumbent LEC to itself or its affiliates, and must be provided on rates, terms, and conditions that are just, reasonable, and nondiscriminatory. The Commission concludes that the term "interconnection" under section 251(c)(2) refers only to the physical linking of two networks for the mutual exchange of traffic. The Commission identifies a minimum set of five "technically feasible" points at which

incumbent LECs must provide interconnection: (1) the line side of a local switch (for example, at the main distribution frame); (2) the trunk side of a local switch; (3) the trunk interconnection points for a tandem switch; (4) central office cross-connect points; and (5) out-of-band signalling facilities, such as signalling transfer points, necessary to exchange traffic and access call-related databases. In addition, the points of access to unbundled elements (discussed below) are also technically feasible points of interconnection. The Commission finds that telecommunications carriers may request interconnection under section 251(c)(2) to provide telephone exchange or exchange access service, or both. If the request is for such purpose, the incumbent LEC must provide interconnection in accordance with section 251(c)(2) and the Commission's rules thereunder to any telecommunications carrier, including interexchange carriers and commercial mobile radio service (CMRS) providers.

4. Access to Unbundled Elements

27. Section 251(c)(3) requires incumbent LECs to provide requesting telecommunications carriers nondiscriminatory access to network elements on an unbundled basis at any technically feasible point on rates, terms, and conditions that are just, reasonable, and nondiscriminatory. In the Report and Order, the Commission identifies a minimum set of network elements that incumbent LECs must provide under this section. States may require incumbent LECs to provide additional network elements on an unbundled basis. The minimum set of network elements the Commission identifies are: local loops, local and tandem switches (including all vertical switching features provided by such switches), interoffice transmission facilities, network interface devices, signalling and call-related database facilities, operations support systems functions, and operator and directory assistance facilities. The Commission concludes that incumbent LECs must provide nondiscriminatory access to operations support systems functions by January 1, 1997. The Commission concludes that access to such operations support systems is critical to affording new entrants a meaningful opportunity to compete with incumbent LECs. The Commission also concludes that incumbent LECs are required to provide access to network elements in a manner that allows requesting carriers to combine such elements as they choose, and that incumbent LECs may not impose restrictions upon the uses to which requesting carriers put such network elements.

5. Methods of Obtaining Interconnection and Access to Unbundled Elements

28. Section 251(c)(6) requires incumbent LECs to provide physical collocation of equipment necessary for interconnection or access to unbundled network elements at the incumbent LEC's premises, except that the incumbent LEC may provide virtual collocation if it demonstrates to the state commission that physical collocation is not practical for technical reasons or because of space limitations. The Commission concludes that incumbent LECs are required to provide for any technically feasible method of interconnection or access requested by a telecommunications carrier, including physical collocation, virtual collocation, and

interconnection at meet points. The Commission adopts, with certain modifications, some of the physical and virtual collocation requirements it adopted earlier in the *Expanded Interconnection* proceeding. The Commission also establishes rules interpreting the requirements of section 251(c)(6).

6. Pricing Methodologies

29. The 1996 Act requires the states to set prices for interconnection and unbundled elements that are cost-based, nondiscriminatory, and may include a reasonable profit. To help the states accomplish this, the Commission concludes that the state commissions should set arbitrated rates for interconnection and access to unbundled elements pursuant a forward-looking economic cost pricing methodology. The Commission concludes that the prices that new entrants pay for interconnection and unbundled elements should be based on the local telephone companies Total Service Long Run Incremental Cost of a particular network element, which the Commission calls "Total Element Long-Run Incremental Cost" (TELRIC), plus a reasonable share of forward-looking joint and common costs. States will determine, among other things, the appropriate risk-adjusted cost of capital and depreciation rates. For states that are unable to conduct a cost study and apply an economic costing methodology within the statutory time frame for arbitrating interconnection disputes, the Commission establishes default ceilings and ranges for the states to apply, on an interim basis, to interconnection arrangements. The Commission establishes a default range of 0.2-0.4 cents per minute for switching. For tandem switching, the Commission establishes a default ceiling of 0.15 cents per minute. The Order also establishes default ceilings for the other unbundled network elements.

7. Access Charges for Unbundled Switching

30. Nothing in this Report and Order alters the collection of access charges paid by an interexchange carrier under Part 69 of the Commission's rules, when the incumbent LEC provides exchange access service to an interexchange carrier, either directly or through service resale. Because access charges are not included in the cost-based prices for unbundled network elements, and because certain portions of access charges currently support the provision of universal service, until the access charge reform and universal service proceedings have been completed, the Commission continues to provide for a certain portion of access charge recovery with respect to use of an incumbent LEC's unbundled switching element, for a defined period of time. This will minimize the possibility that the incumbent LEC will be able to "double recover," through access charges, the facility costs that new entrants have already paid to purchase unbundled elements, while preserving the status quo with respect to subsidy payments. Incumbent LECs will recover from interconnecting carriers the carrier common line charge and a charge equal to 75% of the transport interconnection charge for all interstate minutes traversing the incumbent LECs local switches for which the interconnecting carriers pay unbundled network element charges. This aspect of the Order expires at the earliest of: 1) June 30, 1997; 2)

the effective date of final decisions by the Commission in the universal service and access reform proceedings; or 3) if the incumbent LEC is a Bell Operating Company (BOC), the date on which that BOC is authorized under section 271 of the Act to provide in-region interLATA service, for any given state.

31. For a similar limited period, incumbent LECs may charge the same portions of any intrastate access charges comparable to the carrier common line charge (CCLC) and the transport interconnection charge (TIC), as well as any existing explicit universal service support mechanisms based on intrastate access charges. During this period, incumbent LECs may continue to recover such revenues from purchasers of unbundled local switching elements that use those elements to originate or terminate intrastate toll calls for end user customers they win from incumbent LECs. These state mechanisms must end on the earlier of: (1) June 30, 1997; (2) the effective date of a state commission decision that an incumbent LEC may not assess such charges; and (3) if the incumbent LEC that receives the access charge revenues is a BOC, the date on which that BOC is authorized under section 271 of the 1996 Act to offer in-region interLATA service. The last end date will apply only to the recovery of charges in those states in which the BOC is authorized to offer interLATA service.

8. Resale

32. The 1996 Act requires all incumbent LECs to offer for resale any telecommunications service that the carrier provides at retail to subscribers who are not telecommunications carriers. Resale will be an important entry strategy both in the short term for many new entrants as they build out their own facilities and for small businesses that cannot afford to compete in the local exchange market by purchasing unbundled elements or by building their own networks. State commissions must identify marketing, billing, collection, and other costs that will be avoided or that are avoidable by incumbent LECs when they provide services wholesale, and calculate the portion of the retail rates for those services that is attributable to the avoided and avoidable costs. The Commission identifies certain avoided costs, and the application of this definition is left to the states. If a state elects not to implement the methodology, it may elect, on an interim basis, a discount rate from within a default range of discount rates established by the Commission. The Commission establishes a default discount range of 17-25% off retail prices, leaving the states to set the specific rate within that range, in the exercise of their discretion.

9. Requesting Telecommunications Carriers

33. The Commission concludes that, to the extent that a carrier is engaged in providing for a fee local, interexchange, or international basic services directly to the public or to such classes of users as to be effectively available directly to the public, the carrier is a "telecommunications carrier," and is thus subject to the requirements of section 251(a) and the

benefits of section 251(c). The Commission concludes that CMRS providers are telecommunications carriers, and that private mobile radio service (PMRS) providers generally are not telecommunications carriers, except to the extent that a PMRS provider uses excess capacity to provide local, interexchange, or international services for a fee directly to the public. The Commission also concludes that, if a company provides both telecommunications services and information services, it must be classified as a telecommunications carrier.

10. Commercial Mobile Radio Service

34. The Commission concludes that LECs are obligated, pursuant to section 251(b)(5) and the corresponding pricing standards of section 252(d)(2) to enter into reciprocal compensation arrangements with CMRS providers, including paging providers, for the transport and termination of traffic on each other's networks. The Commission concludes that many CMRS providers (specifically cellular, broadband PCS and covered specialized mobile radio (SMR) providers) offer telephone exchange service and exchange access, and that incumbent LECs therefore must make interconnection available to these CMRS providers in conformity with sections 251(c) and 252. The Commission concludes that CMRS providers should not be classified as LECs at this time. The Commission also concludes that it may apply section 251 and 252 to LEC-CMRS interconnection. By opting to proceed under sections 251 and 252, the Commission is not finding that section 332 jurisdiction over interconnection has been repealed by implication, and the Commission acknowledges that section 332, in tandem with section 201, is a basis for jurisdiction over LEC-CMRS interconnection.

11. Transport and Termination

35. The 1996 Act requires that charges for transport and termination of traffic set based on "additional cost." The Commission concludes that state commissions, during arbitrations, should set symmetrical prices based on the local telephone company's forward-looking economic costs. The state commissions would use the TELRIC methodology when establishing rates for transport and termination. The Commission establishes a default range of 0.2-0.4 cents per minute for end office termination for states which have not conducted a TELRIC cost study. The Commission finds significant evidence in the record in support of the lower end of the range. In addition, the Commission finds that additional reciprocal charges could apply to termination through a tandem switch. The default ceiling for tandem switching is 0.15 cents per minute, plus applicable charges for transport from the tandem switch to the end office. Each state opting for the default approach for a limited period of time, may select a rate within that range.

12. Access to Rights of Way

36. The Commission amends its rules to implement the pole attachment provisions of the 1996 Act. Specifically, the Commission establishes procedures for nondiscriminatory access by

cable television systems and telecommunications carriers to poles, ducts, conduits, and rights-of-way owned by utilities or LECs. The Order includes several specific rules as well as a number of more general guidelines designed to facilitate the negotiation and mutual performance of fair, pro-competitive access agreements without the need for regulatory intervention. Additionally, an expedited dispute resolution is provided when good faith negotiations fail, as are requirements concerning modifications to poles, ducts, conduits, and rights-of-way and the allocation of the costs of such modifications.

13. Obligations Imposed on non-incumbent LECs

37. The Commission concludes that states generally may not impose on non-incumbent LECs the obligations set forth in section 251(c) entitled, "Additional Obligations on Incumbent Local Exchange Carriers." Section 251(h)(2) sets forth a process by which the Commission may decide to treat LECs as incumbent LECs, and state commissions or other interested parties may ask the Commission to issue a rule, in accordance with section 251(h)(2), providing for the treatment of a LEC as an incumbent LEC. In addition to this Report and Order, the Commission addresses in separate proceedings some of the obligations, such as dialing parity and number portability, that section 251(b) imposes on all LECs.

14. Exemptions, Suspensions, and Modifications of Section 251 Requirements

38. Section 251(f)(1) provides for exemption from the requirements in section 251(c) for rural telephone companies (as defined by the 1996 Act) under certain circumstances. Section 251(f)(2) permits LECs with fewer than 2 percent of the nation's subscriber lines to petition for suspension or modification of the requirements in sections 251(b) or (c). In the Report and Order, the Commission establishes a very limited set of rules interpreting the requirements of section 251(f). For example, the Commission finds that LECs bear the burden of proving to the state commission that a suspension or modification of the requirements of section 251(b) or (c) is justified. Rural LECs bear the burden of proving that continued exemption of the requirements of section 251(c) is justified, once a bona fide request has been made by a carrier under section 251. The Commission also concludes that only LECs that, at the holding company level, have fewer than 2 percent of the nation's subscriber lines are entitled to petition for suspension or modification of requirements under section 251(f)(2). For the most part, however, the states will interpret the provisions of section 251(f) through rulemaking and adjudicative proceedings, and will be responsible for determining whether a LEC in a particular instance is entitled to exemption, suspension, or modification of section 251 requirements.

15. Commission Responsibilities Under Section 252

39. Section 252(e)(5) requires the Commission to assume the state's responsibilities under section 252 if the state "fails to act to carry out its responsibility" under that section. In the

Report and Order, the Commission adopts a minimum set of rules that will provide notice of the standards and procedures that the Commission will use if it has to assume the responsibility of a state commission under section 252(e)(5). The Commission concludes that, if it arbitrates agreements, it will use a "final offer" arbitration method, under which each party to the arbitration proposes its best and final offer, and the arbitrator chooses among the proposals. The arbitrator could choose a proposal in its entirety, or could choose different parties' proposals on an issue-by-issue basis. In addition, the parties could continue to negotiate an agreement after they submit their proposals and before the arbitrator makes a decision.

40. Section 252(i) of the 1996 Act requires that incumbent LECs make available to any requesting telecommunications carrier any individual interconnection, service, or network element on the same terms and conditions as contained in any agreement approved under Section 252 to which they are a party. The Commission concludes that section 252(i) entitles all carriers with interconnection agreements to "most favored nation" status regardless of whether such a clause is in their agreement. Carriers may obtain any individual interconnection, service, or network element under the same terms and conditions as contained in any publicly filed interconnection agreement without having to agree to the entire agreement. Additionally, carriers seeking interconnection, network elements, or services pursuant to section 252(i) need not make such requests pursuant to the procedures for initial section 251 requests, but instead may obtain access to agreement provisions on an expedited basis.

II. SCOPE OF THE COMMISSION'S RULES

41. In implementing section 251, we conclude that some national rules are necessary to promote Congress's goals for a national policy framework and serve the public interest, and that states should have the major responsibility for prescribing the specific terms and conditions that will lead to competition in local exchange markets. Our approach in this Report and Order has been a pragmatic one, consistent with the Act, with respect to this allocation of responsibilities. We believe that the steps necessary to implement section 251 are not appropriately characterized as a choice between specific national rules on the one hand and substantial state discretion on the other. We adopt national rules where they facilitate administration of sections 251 and 252, expedite negotiations and arbitrations by narrowing the potential range of dispute where appropriate to do so, offer uniform interpretations of the law that might not otherwise emerge until after years of litigation, remedy significant imbalances in bargaining power, and establish the minimum requirements necessary to implement the nationwide competition that Congress sought to establish. This is consistent with our obligation to "complete all actions necessary to establish regulations to implement the requirements" of section 251.¹⁵ Some of these rules will be relatively self-executing. In many instances, however, the rules we establish call on the states to exercise significant discretion and to make critical decisions through arbitrations and development of state-specific rules. Over time, we will continue to review the allocation of responsibilities, and we will reallocate them if it appears that we have inappropriately or inefficiently designated the decisionmaking roles.

42. The decisions in this Report and Order, and in this Section in particular, benefit from valuable insights provided by states based on their experiences in establishing rules and taking other actions intended to foster local competition. Through formal comments, *ex parte* meetings, and open forums,¹⁶ state commissioners and their staffs provided extensive, detailed information to us regarding difficult or complex issues that they have encountered, and the various approaches they have adopted to address those issues. Information from the states highlighted both differences among communities within states, as well as similarities among states. Recent state rules and orders that take into account the local competition provisions of the 1996 Act have been particularly helpful to our deliberations about the types of national rules that will best

¹⁵ 47 U.S.C. § 251(d)(1).

¹⁶ Public forum held on March 15, 1996, by FCC's Office of General Counsel to discuss interpretation of sections 251 and 252 of the Telecommunications Act of 1996; public forum held on July 9, 1996, by FCC's Common Carrier Bureau and Office of General Counsel to discuss implementation of section 271 of the Telecommunications Act of 1996.

further the statute's goal of encouraging local telephone competition.¹⁷ These state decisions also offered useful insights in determining the extent to which the Commission should set forth uniform national rules, and the extent to which we should ensure that states can impose varying requirements. Our contact with state commissioners and their staffs, as well as recent state actions, make clear that states and the FCC share a common commitment to creating opportunities for efficient new entry into the local telephone market. Our experience in working with state commissions since passage of the 1996 Act confirms that we will achieve that goal most effectively and quickly by working cooperatively with one another now and in the future as the country's emerging competition policy presents new difficulties and opportunities.

43. We also received helpful advice and assistance from other government agencies, including the National Telecommunications and Information Administration (NTIA), the Department of Justice, and the Department of Defense about how national rules could further the public interest. In addition, comments from industry members and consumer advocacy groups helped us understand better the varying and competing concerns of consumers and different representatives of the telecommunications industry. We benefitted as well by discovering that there are certain matters on which there is substantial agreement about the role the Commission should play in establishing and enforcing provisions of section 251.

A. Advantages and Disadvantages of National Rules

1. Background

44. Section 251(d)(1) instructs the Commission, within six months after the enactment of the 1996 Act (that is, by August 8, 1996), to "establish regulations to implement the requirements of [section 251]."¹⁸ In addition, section 253 requires the Commission to preempt the enforcement of any state or local statute, regulation, or legal requirement that "prohibit[s] or

¹⁷ See, e.g., Petition of AT&T for the Commission to Establish Resale Rules, Rates, Terms and Condition and the Initial Unbundling of Services, Docket No. 6352-U (Georgia Commission May 29, 1996); AT&T Communications of Illinois, Inc. *et al.*, Petition for a Total Local Exchange Wholesale Service Tariff from Illinois Bell Telephone Company, Nos. 95-0458 and 95-0531 (consol.) (Illinois Commission June 26, 1996); Hawaii Administrative Rules, Ch. 6-80, "Competition in Telecommunications Services," (Hawaii Commission May 17, 1996); Public Utilities Commission of Ohio Case No. 95-845-TP-COI (Local Competition) (Ohio Commission June 12, 1996) and Implementation of the Mediation and Arbitration Provisions of the Federal Telecommunications Act of 1996, Case No. 96-463-TP-UNC (Ohio Commission May 30, 1996); Proposed Rules regarding Implementation of §§ 40-15-101 *et seq.* Requirements relating to Interconnection and Unbundling, Docket No. 95R-556T (Colorado Commission April 25, 1996) (one of a series of Orders adopted by the Colorado Commission in response to the local competition provisions of the 1996 Act); Washington Utilities and Transportation Commission, Fifteenth Supplemental Order, Decision and Order Rejecting Tariff Revisions, Requiring Refiling, Docket No. UT-950200 (Washington Commission April 1996).

¹⁸ 47 U.S.C. § 251(d)(1). The Commission's implementing rules should be designed "to accelerate rapidly private sector deployment of advanced telecommunications and information technologies and services to all Americans by opening all telecommunications markets to competition." Joint Explanatory Statement at 1.

[has] the effect of prohibiting the ability of any entity to provide any interstate or intrastate telecommunications service."¹⁹

45. In the NPRM, we stated our belief that we should implement Congress's goal of a pro-competitive, de-regulatory, national policy framework by adopting national rules that are designed to secure the full benefits of competition for consumers, with due regard to work already done by the states.²⁰ We sought comment on the extent to which we should adopt explicit national rules, and the extent to which permitting variations among states would further Congress's pro-competitive goals.²¹ We anticipated that we would rely on actions some states have already taken to address interconnection and other issues related to opening local markets to competition. In the NPRM, we set forth some of the benefits that would likely result from implementing explicit national rules, and some of the benefits that would likely result from allowing variations among states.²²

2. Comments

46. The parties recommend a broad spectrum of approaches with respect to the scope and detail of Commission regulations. The vast majority of potential local competitors, such as interexchange carriers (IXCs), competitive access providers (CAPs), and cable operators, assert that the Commission should adopt clear and explicit national standards that will serve as the backdrop for negotiations and will establish minimum requirements for arbitrated agreements.²³ Other parties, including federal agencies, consumer groups, and equipment manufacturers, also support explicit national rules.²⁴ These parties contend that explicit national standards are useful, or even critical, to achieving the pro-competitive goals enunciated by Congress.

47. Parties supporting explicit national rules assert that national standards will give incumbent LECs an incentive to negotiate if the national rules would subject the incumbents to

¹⁹ 47 U.S.C. § 253(a) and (d).

²⁰ NPRM at para. 26 (*citing* Joint Explanatory Statement at 1).

²¹ NPRM at paras. 27, 35.

²² NPRM at paras. 30-33.

²³ *See, e.g.*, AT&T comments at 3; MCI comments at 4-6; Sprint comments at 4-6; MFS comments at 5-6; Jones Intercable comments at 11, 13; Cable & Wireless comments at 6-7; LCI comments at 2, 13; TCC comments at 5-6; Hyperion comments at 6; Ad Hoc Telecommunications Users Committee comments at 3-10; LDDS reply at 4.

²⁴ *See, e.g.*, SBA comments at 4; Ohio Consumers' Counsel comments at 2-3; DoJ comments at 5-8; Lucent comments at 3; Frontier reply at 7; IDCMA reply at 2-9; NTIA reply at 3; National Association of the Deaf reply at 1-3; Texas Public Utility Counsel reply at 2.

less advantageous terms than they otherwise would be likely to negotiate.²⁵ Other advantages of national standards, according to these parties, include: reducing the likelihood of potentially inconsistent determinations by state commissions and courts,²⁶ and reducing burdens on new entrants that seek to provide service on a regional or national basis by limiting their need for separate network configurations and marketing strategies, and by increasing predictability.²⁷ As a result, they assert, new entrants would have greater access to capital necessary to develop competing services.²⁸ Parties state that collectively, these advantages demonstrate that national standards will foster competition more quickly than regulations developed on a state-by-state basis.²⁹ In addition, some parties contend that clear national standards also will assist both the states in arbitrating and reviewing agreements within the time frames set forth in section 252 and the FCC in arbitrating agreements under section 252(e)(5) where states have failed to act, and in reviewing BOC applications to enter in-region interLATA markets pursuant to section 271.³⁰ Some parties that favor strong national rules caution against prematurely dismantling consumer

²⁵ See, e.g., AT&T comments at 6-8 (noting that this is particularly true for non-BOC incumbent LECs, such as SNET and GTE, which already have interLATA authority and have no reason to comply with section 251); Cable & Wireless comments at 7-9; Hyperion comments at 7; MFS comments at 5-6; Teleport comments at 14-17 (vague standards will allow incumbents to adopt a "take it or leave it" approach); TCC comments at 5-7; Comcast reply at 5; CompTel reply at 7; LDDS reply at 3-4; NTIA reply at 3; PageNet reply at 4; see also Citizens Utilities comments at 5 (FCC should establish minimum standards sufficient to equalize bargaining power between incumbents and new entrants); Cox comments at 10; Excel comments at 2-3. *But see, e.g., Ameritech* comments at 7-9 (incumbent LECs do not have vastly superior bargaining power, and cannot unilaterally impose terms upon other parties); PacTel comments at 6; USTA comments at 6 n.9 (the NPRM overstates the bargaining power of incumbent LECs; in particular, non-BOC LECs may have less bargaining power than IXCs, cable companies, or competitive access providers); USTA reply at 2-4; Bell Atlantic reply at 3.

²⁶ ALTS comments at 2-4; ACSI comments at 4; AT&T comments at 9-10; Cox comments at 22-23; DoJ comments at 12; Frontier comments at 6; GSA/DoD comments at 4-5; TIA comments at 5; MCI comments at 4-6 (differing rules will make it difficult to develop a rational national policy); TCC comments at 7-8, 13 (federal rules will eliminate the need for new entrants to expend resources fighting the same battle in 50 states); *accord* Cable & Wireless comments at 10 (even 50 excellent plans are not optimal if they are 50 different plans).

²⁷ AT&T comments at 9; Cable & Wireless comments at 6-9 (cost efficiencies of national networks are substantial); Excel comments at 2; Hyperion comments at 5; GST comments at 2; Jones Intercable comments at 11; Ohio Consumers' Counsel comments at 3; SBA comments at 4 (national rules will particularly help small competitors); Sprint comments at 3; TCC comments at 7-8; ACSI reply at 4; see also Intermedia comments at 3 (national uniform standards are necessary to resolve the many regulatory, technical and operational questions that accompany interconnection to incumbent LEC networks); Lucent comments at 3 (national standards will promote industry growth and assist telecommunications equipment vendors); SDN Users Association comments at 2; International Communications Ass'n comments at 3.

²⁸ ALTS comments at 2-4; GSA/DoD comments at 4-5; MCI comments at 4-6. *But see* GTE reply at 6 (uniform federal rules will not affect the ability of large, financially well-positioned entities like AT&T to obtain capital).

²⁹ See, e.g., ALTS comments at 2-4; Competition Policy Institute comments at 10; DoJ comments at 13-15 (a single set of rules can be created faster than 50 different sets).

³⁰ Ad Hoc Telecommunications Users Committee comments at 9-10; AT&T comments at 8-9, 11; Cable & Wireless comments at 7-9; CompTel comments at 22; Excel comments at 2.