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From:
R. R. Conners, Director - North American Numbering Plan Administration

Abstract

This document provides an update on the status of Numbering Plan Area (NPA) code assignments in the North American Numbering Plan area.

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This document is the annual status report to the industry on Numbering Plan Area (NPA) codes.

This report was prepared by Jim Deak. Questions should be directed to Jim on (201) 740-4594.


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**NORTH AMERICAN NUMBERING PLAN
NUMBERING PLAN AREA CODES
1995 UPDATE**

Report Prepared by

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1. Introduction

This report, published annually in January, provides an update on Numbering Plan Area (NPA) code assignments.

On January 1, 1995, the North American Numbering Plan (NANP) underwent the most significant changes ever since its inception in 1947, including a change to the format of NPA codes. Information on this change is included in Section 2 of this report. The new NPA code format makes 640 additional codes available for use, substantially extending the life of our current ten-digit telephone numbers.

By the time you read this report, several of the new NPA codes will be in place, and many more are scheduled for introduction in 1995. Specifics can be found in Section 5 of this report.

Several of the new NPA codes in 1995 will be introduced as overlay codes. Section 3 of this report explains what an overlay is and compares it with NPA splits and boundary realignments.

Each year Bellcore conducts a survey to determine which NPAs will be exhausting. Section 6 of this report lists the NPAs projected to exhaust within the next ten years.

Changes in the NANP have required changes in the dialing plans in many of the countries/states/provinces that share the numbering plan. The new dialing plans are summarized in Section 9.

We get many calls asking for clarification about the roles of the various groups involved in number administration. Here is some background information we hope will be helpful. When AT&T introduced the NANP in 1947, they established a two level administrative structure. AT&T itself administered NPA codes centrally, and the local exchange carriers administered the central office codes and line numbers within their service areas. Coincident with the divestiture of the Bell System in 1984, the Court assigned AT&T's responsibility for central number administration to Bellcore. Bellcore's role includes assignment of NPA codes, carrier identification codes, and other numbering resources that lend themselves to centralized administration. The Bellcore group responsible for central administration is known in the industry as NANPA, short for NANP Administration.

Although seven-digit local telephone numbers are administered by local exchange carriers, Bellcore's Traffic Routing Administration (TRA) group maintains a database of central office code assignments, and publishes this information in many forms for use by the industry. Call the TRA hot line on (201) 740-7500 to request a copy of their product catalogue.

NANPA assigns many of the resources under its control using industry-consensus assignment guidelines developed by the Industry Numbering Committee (INC), a standing committee of the Industry Carriers Compatibility Forum. For more information about the INC, contact one of its secretaries, Dawne Drake, on (201) 740-4657, or Kathy Cullen, on (201) 740-3571.

The Federal Communications Commission has asserted plenary jurisdiction in numbering and maintains a strong interest in numbering issues. The FCC staff contact is Peyton Wynns, Chief of the Industry Analysis Division in the Common Carrier Bureau. Peyton can be reached on (202) 418-0942.

We hope that this report is useful to you. Please feel free to contact us with suggestions for how it can be made more useful.

2. Numbering Changes in 1995

Two numbering changes take place in 1995: a new format for NPA codes, and expansion of Feature Group D carrier identification codes.

NPA codes introduced after January 1, 1995 will be in a new format in which the middle digit may be any number 0 through 9, not just 0 or 1 as previously required. The change introduces 640 new area codes, increasing the capacity of the NANP from slightly less than one billion numbers to more than six billion numbers, enough to last well into the next century. AT&T and Bell Laboratories designed this change in the late 1960s, and the industry has been preparing for it ever since.

Implementation of the new NPA code format impacts every segment of the industry, and significant expenditures may be required. Modifications may be required in switching equipment hardware and software, operations support systems, and possibly customer dialing procedures. Customer premises equipment such as PBXs are almost certainly affected. All carriers and customer premises equipment owners were asked to take the necessary steps to ensure that their equipment will be able to process NPA codes by January 1, 1995.

A key effect of the change is that dialing of 1 + 7-digits for home NPA toll calls (or 0 + 7-digits) is *no longer permissible*. Areas previously using 1 + 7-digit dialing have changed the dialing procedures for these calls either by eliminating the "1" and dialing the calls as 7 digits or by dialing the calls as 1 + home NPA + 7 digits. The choice is made by the local public service commission. The option selected in each state, province, or country is described in Section 9 of this report.

As indicated above, PBXs and other customer premises equipment are likely to need upgrades. For example, some equipment may not recognize the new NPA codes and may attempt to complete the call after 7 digits have been dialed. Toll restriction features may currently block calls to NPAs in the new format. Accounting software may not process the new codes correctly. Customer premises equipment owners / administrators must contact the manufacturer of their equipment and software to discuss the exact changes required. Manufacturers may choose not to update some of their older equipment, and customers with such equipment need to budget and plan for the required replacements.

Expansion of Feature Group D carrier identification codes (CICs) to four digits will occur in the first quarter of 1995 when the supply of three-digit codes exhausts. The new carrier access code (CAC) for four-digit CICs is 101XXXX, where XXXX represents the four-digit CIC. There will be a permissive period during which both three- and four-digit CICs can be used. The FCC will determine the length of the permissive period. At the end of the permissive period, existing three-digit CICs will be expanded to four digits by prefixing them with "0". Check with your local exchange carrier to determine when they will be prepared to process four-digit CICs, as readiness dates vary. The introduction of four-digit CICs may also require changes to customer premises equipment. Again, check with your vendor to determine what must be done.

3. Methods of NPA Code Relief

NANPA assigns NPA codes to provide relief in geographic NPAs that will shortly be exhausting their central office codes. Relief can be accomplished through several methods: boundary realignments, splits, and overlays. These relief methods are briefly described below.

A *boundary realignment* involves shifting the boundary line between two adjacent NPAs, one exhausting and one with spare capacity. The effect is to shift some central office codes from the NPA that is exhausting to the NPA with spare capacity. Only the customers in the geographic area between the old and new boundaries are directly affected by this change, but they may have to accept new 10-digit numbers if their central office code involved is not available in the new NPA. Generally speaking, this method tends to provide shorter term relief and has been seldom used.

Until recently NPA relief has been accomplished primarily through NPA *splits*. In this approach, the exhausting NPA is split into two geographic areas, leaving the existing NPA code to serve, for example, the area with the highest customer density (in order to minimize number changes), and assigning a new NPA code to the remaining area. From a customer perspective, the disadvantage of a split is that approximately half of the people affected by the split must change to the new area code. The most difficult part of designing a split is to find a recognizable boundary that divides the exhausting NPA into two parts with roughly equal lifetimes. As some NPAs have decreased in size, this has become increasingly difficult to do.

To resolve this problem, the concept of an *overlay* has emerged. An NPA overlay occurs when more than one NPA code serves the same geographic area. In an NPA overlay, code relief is provided by opening up a new NPA code within the same geographic area as the NPA requiring relief. Numbers from this new NPA are assigned to new growth to all service providers. Ideally, the overlay method eliminates the need for customer number changes, and typically does not require, in itself, a permissive dialing period.

4. NPA Code Assignments Since 1984

The NANP was introduced in 1947. At that time 86 NPA codes were assigned to cover the continental United States and Canada. In 1957 Alaska and Hawaii were added, and in 1958 the 809 NPA was assigned to incorporate Bermuda and many of the Caribbean Basin islands. At this time the NANP serves the numbering needs of 18 independent countries. As time passed, additional NPA codes were assigned to provide relief in NPAs in which the supply of numbers was exhausting. The table below summarizes NPA relief activities completed since Bellcore became administrator of the numbering plan in 1984.

NPA RELIEF DATE	ORIGINAL NPA	NEW NPA
01/07/84	213	818
09/01/84	212	718
03/05/88	303	719
04/16/88	305	407
07/16/88	617	508
11/11/89	312	708
11/01/90	201	908
11/04/90	214	903
09/02/91	415	510
10/06/91	301	410
11/02/91	213	310
01/01/92	212, 718	917*
05/03/92	404	706
07/01/92	212#	718#
11/01/92	512	210
11/14/92	714	909
10/04/93	416	905
11/14/93	919	910
12/01/93	313	810
01/08/94	215	610

In the above table (*) indicates that 917 is an overlay to NPAs 212 and 718, and (#) indicates that the Bronx moved from the 212 NPA to the 718 NPA.

5. NPA Code Relief In Progress or Planned

NPA relief activities currently in progress or planned are shown in the table below.

NPA	LOCATION	RELIEF CODE	RELIEF TYPE	RELIEF DATE & START OF PERMISSIVE PERIOD	END OF PERMISSIVE PERIOD
708	Illinois	630	Overlay	01/07/95	Not applicable
205	Alabama	334	Split	01/15/95	05/13/95
206	Washington	360	Split	01/15/95	05/21/95
713	Texas	281	Overlay	03/01/95	03/01/96
602	Arizona	520	Split	03/19/95	07/23/95
303	Colorado	970	Split	04/02/95	10/01/95
813	Florida	941	Split	05/28/95	03/03/96
703	Virginia	540	Split	07/15/95	07/13/96
310	California	562	Overlay	09/02/95	Not applicable
615	Tennessee	423	Split	09/11/95	02/26/96
809	Bermuda	441	New/Split	10/01/95	09/30/96
305	Florida	954	TBD	1Q95	
404	Georgia	770	TBD	4Q95	
214	Texas	972	Overlay	2/96	
203	Connecticut	860	TBD	TBD	

In this table the "RELIEF DATE" column shows the date when callers can begin dialing the new NPA code. The "END OF PERMISSIVE PERIOD" column shows the date when all calls to the old or new NPAs must be dialed with the correct NPA code. TBD indicates "To Be Determined," i.e., information was not available at the time this report was published.

6. NPA Codes Projected to Exhaust by 2005

NANPA, in its role as administrator of the numbering plan, prepares an annual survey projecting when each existing NPA will exhaust its supply of 792 central office codes. The information is useful in planning for future NPA relief activities. The table below identifies NPAs that are projected to exhaust within the next 10 years based on information forecasted by service providers in each NPA.

STATE, PROV. OR COUNTRY	NPA	PROJECTED EXHAUST	STATE, PROV. OR COUNTRY	NPA	PROJECTED EXHAUST
South Carolina	803	1996 1Q	Michigan	810	2000 4Q
Missouri	314	1996 2Q	Maryland	410	2001 1Q
Oregon	503	1996 3Q	Massachusetts	617	2001 1Q
Florida	904	1996 3Q	Caribbean	809	2001 3Q
Ohio	216	1997 1Q	Texas	512	2001 4Q
Minnesota	612	1997 1Q	Ohio	513	2001 4Q
California	619	1997 3Q	California	415	2002 3Q
Texas	817	1998 1Q	Maryland	301	2002 4Q
California	818	1998 1Q	Virginia	804	2002 4Q
Texas	210	1998 2Q	New Jersey	201	2003 1Q
Louisiana	318	1998 3Q	Ohio	614	2003 1Q
California	213	1998 4Q	Wisconsin	414	2003 2Q
Br.Columbia	604	1998 4Q	Texas	409	2003 4Q
Missouri	816	1998 4Q	California	408	2004 1Q
Arkansas	501	1999 1Q	Mississippi	601	2004 1Q
Louisiana	504	1999 1Q	Kansas	913	2004 1Q
Indiana	317	1999 3Q	New York	212	2004 2Q
Utah	801	1999 3Q	North Carolina	704	2004 2Q
Oklahoma	405	1999 4Q	Pennsylvania	717	2004 2Q
Massachusetts	508	2000 2Q	Kansas	316	2004 3Q
Illinois	312	2000 3Q	California	510	2004 4Q
Michigan	313	2000 3Q	Alberta	403	2005 1Q
Florida	407	2000 3Q	Kentucky	502	2005 3Q

7. NPA Code Listings - Alphabetical

LOCATION OR OTHER SPECIAL USE	AREA CODE	LOCATION OR OTHER SPECIAL USE	AREA CODE	LOCATION OR OTHER SPECIAL USE	AREA CODE
800 Service	800	International Inbound	456	Ohio	216
900 Service	900	Iowa	319	Ohio	419
Alabama	205	Iowa	515	Ohio	513
Alabama	334	Iowa	712	Ohio	614
Alaska	907	Kansas	316	Oklahoma	405
Alberta	403	Kansas	913	Oklahoma	918
Arizona	520	Kentucky	502	Ontario	416
Arizona	602	Kentucky	606	Ontario	519
Arkansas	501	Louisiana	318	Ontario	613
Bermuda	441	Louisiana	504	Ontario	705
British Columbia	604	Maine	207	Ontario	807
California	209	Manitoba	204	Ontario	905
California	213	Maryland	301	Oregon	503
California	310	Maryland	410	Pennsylvania	215
California	408	Massachusetts	413	Pennsylvania	412
California	415	Massachusetts	508	Pennsylvania	610
California	510	Massachusetts	617	Pennsylvania	717
California	562	Michigan	313	Pennsylvania	814
California	619	Michigan	517	Personal Comm. Svcs.	500
California	707	Michigan	616	Quebec	418
California	714	Michigan	810	Quebec	514
California	805	Michigan	906	Quebec	819
California	818	Minnesota	218	Rhode Island	401
California	909	Minnesota	507	Saskatchewan	306
California	916	Minnesota	612	South Carolina	803
Canada (Services)	600	Mississippi	601	South Dakota	605
Caribbean Islands	809	Missouri	314	Tennessee	423
Colorado	303	Missouri	417	Tennessee	615
Colorado	719	Missouri	816	Tennessee	901
Colorado	970	Montana	406	Texas	210
Connecticut	203	Nebraska	308	Texas	214
Delaware	302	Nebraska	402	Texas	281
Dist. of Columbia	202	Nevada	702	Texas	409
Florida	305	New Brunswick	506	Texas	512
Florida	407	New Hampshire	603	Texas	713
Florida	813	New Jersey	201	Texas	806
Florida	904	New Jersey	609	Texas	817
Florida	941	New Jersey	908	Texas	903
Georgia	404	New Mexico	505	Texas	915
Georgia	706	New York	212	U.S. Government	710
Georgia	912	New York	315	Utah	801
Hawaii	808	New York	516	Vermont	802
IC Services	700	New York	518	Virginia	540
Idaho	208	New York	607	Virginia	703
Illinois	217	New York	716	Virginia	804
Illinois	309	New York	718	Washington	206
Illinois	312	New York	914	Washington	360
Illinois	618	New York	917	Washington	509
Illinois	630	Newfoundland	709	West Virginia	304
Illinois	708	North Carolina	704	Wisconsin	414
Illinois	815	North Carolina	910	Wisconsin	608
Indiana	219	North Carolina	919	Wisconsin	715
Indiana	317	North Dakota	701	Wyoming	307
Indiana	812	Nova Scotia	902		

8. NPA Code Listings - Numerical

AREA CODE	LOCATION OR OTHER SPECIAL USE	AREA CODE	LOCATION OR OTHER SPECIAL USE	AREA CODE	LOCATION OR OTHER SPECIAL USE
201	New Jersey	417	Missouri	706	Georgia
202	Dist. of Columbia	418	Quebec	707	California
203	Connecticut	419	Ohio	708	Illinois
204	Manitoba	423	Tennessee	709	Newfoundland
205	Alabama	441	Bermuda	710	U.S. Government
206	Washington	456	International Inbound	712	Iowa
207	Maine	500	Personal Comm. Svcs.	713	Texas
208	Idaho	501	Arkansas	714	California
209	California	502	Kentucky	715	Wisconsin
210	Texas	503	Oregon	716	New York
212	New York	504	Louisiana	717	Pennsylvania
213	California	505	New Mexico	718	New York
214	Texas	506	New Brunswick	719	Colorado
215	Pennsylvania	507	Minnesota	800	800 Service
216	Ohio	508	Massachusetts	801	Utah
217	Illinois	509	Washington	802	Vermont
218	Minnesota	510	California	803	South Carolina
219	Indiana	512	Texas	804	Virginia
281	Texas	513	Ohio	805	California
301	Maryland	514	Quebec	806	Texas
302	Delaware	515	Iowa	807	Ontario
303	Colorado	516	New York	808	Hawaii
304	West Virginia	517	Michigan	809	Caribbean Islands
305	Florida	518	New York	810	Michigan
306	Saskatchewan	519	Ontario	812	Indiana
307	Wyoming	520	Arizona	813	Florida
308	Nebraska	540	Virginia	814	Pennsylvania
309	Illinois	562	California	815	Illinois
310	California	600	Canada (Services)	816	Missouri
312	Illinois	601	Mississippi	817	Texas
313	Michigan	602	Arizona	818	California
314	Missouri	603	New Hampshire	819	Quebec
315	New York	604	British Columbia	900	900 Service
316	Kansas	605	South Dakota	901	Tennessee
317	Indiana	606	Kentucky	902	Nova Scotia
318	Louisiana	607	New York	903	Texas
319	Iowa	608	Wisconsin	904	Florida
334	Alabama	609	New Jersey	905	Ontario
360	Washington	610	Pennsylvania	906	Michigan
401	Rhode Island	612	Minnesota	907	Alaska
402	Nebraska	613	Ontario	908	New Jersey
403	Alberta	614	Ohio	909	California
404	Georgia	615	Tennessee	910	North Carolina
405	Oklahoma	616	Michigan	912	Georgia
406	Montana	617	Massachusetts	913	Kansas
407	Florida	618	Illinois	914	New York
408	California	619	California	915	Texas
409	Texas	630	Illinois	916	California
410	Maryland	700	IC Services	917	New York
412	Pennsylvania	701	North Dakota	918	Oklahoma
413	Massachusetts	702	Nevada	919	North Carolina
414	Wisconsin	703	Virginia	941	Florida
415	California	704	North Carolina	970	Colorado
416	Ontario	705	Ontario		

9. Dialing Plans

The table on the following pages contains the dialing plans for the area served by the North American Numbering Plan (NANP). The table includes changes made in anticipation of the implementation of Interchangeable NPA codes as previously mentioned. The information entered in the matrix is the predominant method of dialing at each location. There may be instances where the dialing plan of a community within an NPA may be different than the general dialing procedure for that NPA.

The following are definitions of headings and abbreviations used in the table:

LOCATION:	The state, province or country for which the dialing plan is being provided.
NPA CODE:	The NPA code for the LOCATION.
HNPA LOCAL:	The standard procedure for dialing local calls (generally calls that do not incur a toll charge) terminating within the home NPA.
HNPA TOLL:	The standard procedure for dialing toll calls (generally calls that incur a toll charge) terminating within the home NPA.
FNPA LOCAL:	The standard procedure for dialing local calls (generally calls that do not incur a toll charge) terminating outside of the home NPA, i.e., foreign NPA.
FNPA TOLL:	The standard procedure for dialing toll calls (generally calls that incur a toll charge) terminating outside of the home NPA, i.e., in a foreign NPA .
OPER. ASSIST.:	The standard procedure for dialing all operator assisted calls, including credit card, collect, and third party calls.
PERMISSIBLE HNPA LOCAL:	Although the standard procedure for dialing a home NPA local call is shown under the HNPA LOCAL column, it is also "permissible" for the caller to place the call using the method under this column.
PERMISSIBLE HNPA TOLL:	Although the standard procedure for dialing a home NPA toll call is shown under the HNPA TOLL column, it is also "permissible" for the caller to place the call using the method under this column.
PERMISSIBLE FNPA LOCAL:	Although the standard procedure for dialing a FNPA LOCAL call is shown under the FNPA LOCAL column, it is also "permissible" for the dialer place the call using the method under this column.
NA:	An entry of NA indicates that this option is not available for the LOCATION.

NANPA is not responsible for dialing plans which are typically established by local regulatory agencies. For the last word on dialing plans please consult your local telephone company or local regulatory agency.

NANP DIALING BY STATE, PROVINCE OR COUNTRY

LOCATION	NPA	STANDARD PROCEDURES					PERMISSIBLE		
		HNPA LOCAL	HNPA TOLL	FNPA LOCAL	FNPA TOLL	OPER. ASSIST.	HNPA LOCAL	HNPA TOLL	FNPA LOCAL
Alabama	205	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Alaska	907	7D	1+10D	1+10D	1+10D	0+10D	NA	NA	NA
Alberta	403	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
Anguilla	809	7D	1+10D	NONE	1+10D	0+10D	4D	NA	NA
Antigua	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Arizona	602	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Arkansas	501	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Bahamas	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Barbados	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Bermuda	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
British Col	604	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
British Virgin Is	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Cayman Islands	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
California	209	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
California	213	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
California	310	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
California	408	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
California	415	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
California	510	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
California	619	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
California	707	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
California	714	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
California	805	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
California	818	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
California	909	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
California	916	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
Colorado	303	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Colorado	719	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Connecticut	203	7D	1+10D	1+10D	1+10D	0+10D	NA	NA	NA
Delaware	302	7D	1+10D	7D	1+10D	0+10D	1+10D	NA	NA
Dist. of Col.	202	7D	NONE	10D	1+10D	0+10D	10D/1+10D	NA	1+10D
Dominica	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Dominican Rep.	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Florida	305	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Florida	407	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Florida	813	7D	1+10D	1+10D	1+10D	0+10D	NA	NA	NA
Florida	904	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Georgia	404	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Georgia	706	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Georgia	912	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Grenada	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Hawaii	808	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Idaho	208	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA

NANP DIALING BY STATE, PROVINCE OR COUNTRY

LOCATION	NPA	STANDARD PROCEDURES					PERMISSIBLE		
		HNPA LOCAL	HNPA TOLL	FNPA LOCAL	FNPA TOLL	OPER. ASSIST.	HNPA LOCAL	HNPA TOLL	FNPA LOCAL
Illinois	217	7D	7D	1+10D	1+10D	0+10D	NA	NA	NA
Illinois	309	7D	7D	1+10D	1+10D	0+10D	NA	NA	NA
Illinois	312	7D	7D	1+10D	1+10D	0+10D	NA	NA	NA
Illinois	618	7D	7D	1+10D	1+10D	0+10D	NA	NA	NA
Illinois	708	7D	7D	1+10D	1+10D	0+10D	NA	NA	NA
Illinois	815	7D	7D	1+10D	1+10D	0+10D	NA	NA	NA
Indiana	219	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Indiana	317	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Indiana	812	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Iowa	319	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Iowa	515	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Iowa	712	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Jamaica	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Kansas	316	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Kansas	913	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Kentucky	502	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Kentucky	606	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Louisiana	318	7D	1+10D	1+10D	1+10D	0+10D	NA	NA	NA
Louisiana	504	7D	1+10D	1+10D	1+10D	0+10D	NA	NA	NA
Maine	207	7D	1+10D	1+10D	1+10D	0+10D	NA	NA	NA
Manitoba	204	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Maryland	301	7D	1+10D	10D	1+10D	0+10D	10D/1+10D	NA	1+10D
Maryland	410	7D	1+10D	10D	1+10D	0+10D	10D/1+10D	NA	1+10D
Massachusetts	413	7D	1+10D	1+10D	1+10D	0+10D	NA	NA	NA
Massachusetts	508	7D	1+10D	1+10D	1+10D	0+10D	NA	NA	NA
Massachusetts	617	7D	1+10D	1+10D	1+10D	0+10D	NA	NA	NA
Michigan	313	7D	1+10D	1+10D	1+10D	0+10D	1 + 10D	NA	NA
Michigan	517	7D	1+10D	1+10D	1+10D	0+10D	1 + 10D	NA	NA
Michigan	616	7D	1+10D	1+10D	1+10D	0+10D	1 + 10D	NA	NA
Michigan	810	7D	1+10D	1+10D	1+10D	0+10D	1 + 10D	NA	NA
Michigan	906	7D	1+10D	1+10D	1+10D	0+10D	1 + 10D	NA	NA
Minnesota	218	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Minnesota	507	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Minnesota	612	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Mississippi	601	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Missouri	314	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
Missouri	417	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Missouri	816	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Montana	406	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Montserrat	809	7D	1+10D	NONE	1+10D	0+10D	4D	NA	NA
Nebraska	308	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Nebraska	402	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Nevada	702	7D	1+10D	1+10D	1+10D	0+10D	1+10D	NA	NA

NANP DIALING BY STATE, PROVINCE OR COUNTRY

LOCATION	NPA	STANDARD PROCEDURES					PERMISSIBLE		
		HNPA LOCAL	HNPA TOLL	FNPA LOCAL	FNPA TOLL	OPER. ASSIST.	HNPA LOCAL	HNPA TOLL	FNPA LOCAL
New Brunswick	506	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
New Hampshire	603	7D	7D	1+10D	1+10D	0+10D	NA	1+10D	NA
New Jersey	201	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
New Jersey	609	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
New Jersey	908	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
New Mexico	505	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
New York	212	7D	NONE	1+10D	1+10D	0+10D	NA	NA	NA
New York	315	7D	7D	1+10D	1+10D	0+10D	NA	1+10D	NA
New York	516	7D	7D	1+10D	1+10D	0+10D	NA	NA	NA
New York	518	7D	7D	1+10D	1+10D	0+10D	NA	1+10D	NA
New York	607	7D	7D	1+10D	1+10D	0+10D	NA	1+10D	NA
New York	716	7D	7D	1+10D	1+10D	0+10D	NA	1+10D	NA
New York	718	7D	NONE	1+10D	1+10D	0+10D	NA	NA	NA
New York	914	7D	7D	1+10D	1+10D	0+10D	NA	NA	NA
New York	917	7D	NONE	1+10D	1+10D	0+10D	NA	NA	NA
Newfoundland	709	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
North Carolina	704	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
North Carolina	910	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
North Carolina	919	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
North Dakota	701	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
North W. Terr.	403	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
North W. Terr.	604	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Nova Scotia	902	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Ohio	216	7D	1+10D	1+10D	1+10D	0+10D	1+10D	NA	NA
Ohio	419	7D	1+10D	1+10D	1+10D	0+10D	1+10D	NA	NA
Ohio	513	7D	1+10D	1+10D*	1+10D	0+10D	NA	NA	NA
Ohio	614	7D	1+10D	1+10D	1+10D	0+10D	1+10D	NA	NA
Oklahoma	405	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Oklahoma	918	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Ontario	416	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
Ontario	519	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
Ontario	613	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
Ontario	705	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
Ontario	807	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Ontario	905	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
Oregon	503	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Pennsylvania	215	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
Pennsylvania	412	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
Pennsylvania	610	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
Pennsylvania	717	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
Pennsylvania	814	7D	7D	1+10D	1+10D	0+10D	1+10D	1+10D	NA
Prince Edward Is	902	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA

* 7 Digit dialing for FNPA local calling in Cincinnati Bell area.

NANP DIALING BY STATE, PROVINCE OR COUNTRY

LOCATION	NPA	STANDARD PROCEDURES					PERMISSIBLE		
		HNPA LOCAL	HNPA TOLL	FNPA LOCAL	FNPA TOLL	OPER. ASSIST.	HNPA LOCAL	HNPA TOLL	FNPA LOCAL
Puerto Rico	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Quebec	418	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
Quebec	514	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Quebec	819	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Rhode Island	401	7D	1+10D	1+10D	1+10D	0+10D	NA	NA	NA
Saskatchewan	306	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
South Carolina	803	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
South Dakota	605	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
St. Kitts & Nevis	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
St. Lucia	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
St. Vincent	809	7D	0+1+10D	NONE	1+10D	115+10D	NA	NA	NA
Tennessee	615	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Tennessee	901	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Texas	210	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
Texas	214	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
Texas	409	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Texas	512	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
Texas	713	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
Texas	806	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Texas	817	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
Texas	903	7D	1+10D	10D	1+10D	0+10D	NA	NA	NA
Texas	915	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Trinidad	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Turks & Caicos	809	7D	0+1+10D	NONE	1+10D	115+10D	5D	NA	NA
U.S. Virgin Is.	809	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Utah	801	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Vermont	802	7D	1+10D	1+10D	1+10D	0+10D	NA	NA	NA
Virginia (WMEA)	703	7D	1+10D	10D	1+10D	0+10D	10D/1+10D	NA	1+10D
Virginia	703	7D	1+10D	7D	1+10D	0+10D	10D/1+10D	NA	10D/1+10D
Virginia	804	7D	1+10D	7D	1+10D	0+10D	10D/1+10D	NA	10D/1+10D
Washington	206	7D	1+10D	NONE	1+10D	0+10D	NA	NA	NA
Washington	509	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
West Virginia	304	7D	1+10D	7D	1+10D	0+10D	1+10D	NA	1+10D
Wisconsin	414	7D	1+10D	1+10D	1+10D	0+10D	NA	NA	NA
Wisconsin	608	7D	1+10D	1+10D	1+10D	0+10D	NA	NA	NA
Wisconsin	715	7D	1+10D	1+10D	1+10D	0+10D	NA	NA	NA
Wyoming	307	7D	1+10D	7D	1+10D	0+10D	NA	NA	NA
Yukon	403	7D	1+10D	NA	1+10D	0+10D	NA	NA	NA

9. NPA Maps

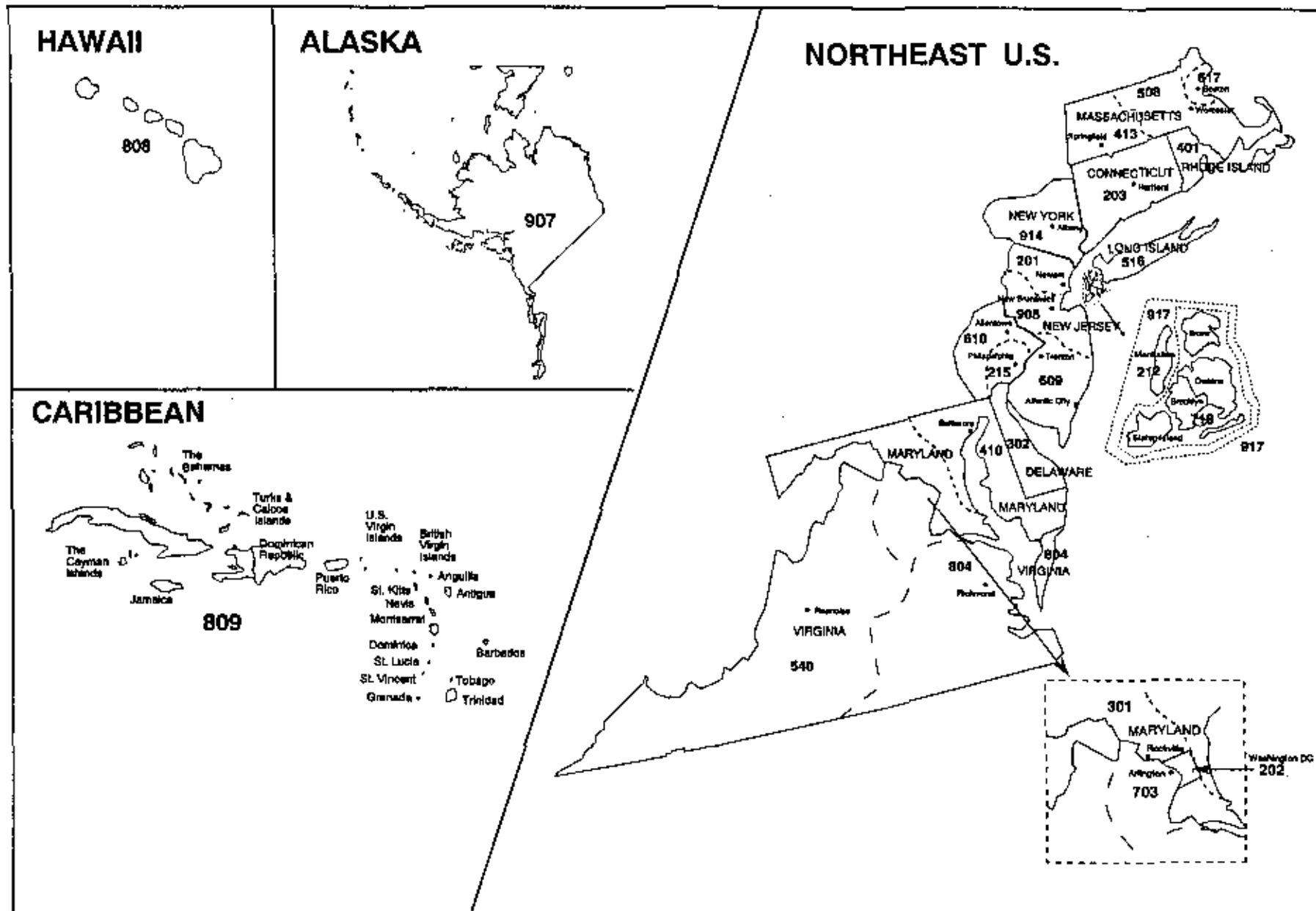
The following pages contain maps showing NPA boundaries in the countries that share the NANP. One map displays the NPAs for the U. S. and a separate map of Canada is shown on Supplement A. The complexity of the U. S. map has grown significantly in recent years, and we have found it necessary to provide supplementary maps for some areas. Alaska, Hawaii, the Caribbean countries and northeastern U. S. states are shown on Supplement B. Area details of Los Angeles, Illinois and Michigan are shown on Supplement C.

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Supplement B

Numbering Plan Areas For Hawaii, Alaska, Northeast U.S. And The Caribbean



Supplement C

Numbering Plan Areas For Los Angeles, Michigan and Illinois

