Telcordia™ Technologies

Performance from Experience

Telcordia Notes on the Networks

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SR-2275 replaces SR-2275, *Bellcore Notes on the Networks*, Issue 3, December 1997.

Related documents:

SR-NOTES-SERIES-01, *Telcordia Notes on the Synchronous Optical Network (SONET)*
SR-NOTES-SERIES-02, *Telcordia Notes on Dense Wavelength-Division Multiplexing (DWDM) and Optical Networking*
SR-NOTES-SERIES-03, *Telcordia Notes on Number Portability and Number Pooling*
SR-NOTES-SERIES-04, *Telcordia Notes on the Evolution of Enhanced Emergency Services.*

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3.6.3 Coin Station Numbering

It has been recommended that public and semipublic stations be assigned line numbers in the 9000 series (for example, NXX-9XXX). Generally, current operating practices include a check for public/semipublic telephones on collect or third-number calls to 9000 series numbers only.

Many public/semipublic telephones meet the requirements for an automated check. In those cases where the automated public/semipublic station check can be applied, there is no need to have the called public station numbered in the 9XXX series.

However, there are still many situations in which the 9XXX line number is the only indication of a public/semipublic station. Therefore, it is still suggested that companies assign public/semipublic stations in this 9XXX line number series when possible.

3.7 Dialing Procedures

Dialing refers to the *use* of certain digits or special characters as prefixes or appendixes to the number address as defined by the NANP. In the U.S., dialing is regulated by local public utility commissions, and as a result, dialing patterns vary from one jurisdiction to another. For example, the digit "1" is used in the NANP to indicate that the full 10-digit NANP number will follow. The prefix "1" is also used in many areas of the NANP to indicate that a call within the "home" NPA will incur a toll charge. In such a use, the "1" is part of the dialing plan. Table 3-3 illustrates the major dialing options in use.

Table 3-3. Major Dialing Options

	Option I	Option II	Option III
Local call within home NPA	7 digits	7 digits	7 digits
Toll call within home NPA	7 digits	1 + 10 digits	1 + 10 digits
Local call across NPA boundary	1 + 10 digits	10 digits	1 + 10 digits
Toll call across NPA boundary	1 + 10 digits	1 + 10 digits	1 + 10 digits

In all options, 7-digit local calling is permitted for calls within the home NPA, except in areas where NPA overlays have been implemented. In these areas, all calls must be dialed on a 10-digit basis as directed by the FCC in its Second Report and Order in CC Docket 96-98.

Several different dialing arrangements are in use for local calls that cross NPA boundaries. In some locations these calls may be dialed on a 10-digit basis, without the prefix "1." In other locations, 7-digit dialing to foreign NPAs is retained through the use of "protected" NXX codes. The use of protected codes is discouraged because it uses central office codes inefficiently and may contribute to the premature exhaust of an NPA.

Because dialing patterns vary in the NANP, the industry felt it was important to develop and recommend a uniform dialing plan. The resulting document, INC 97-0131-017, *Industry Numbering Committee Uniform Dialing Plan*, recommends that all calls be dialed on a uniform 10-digit basis, eliminating the use of the prefix "1" as a toll indicator. If required, however, toll indication could be provided in another manner such as a tone indicating that the caller will incur additional charges. Although the industry has made its recommendation, no decisions have been made on implementation.

Tables 3-4 through 3-6 show additional details of dialing procedures available for use with FGD.

Table 3-4. Recommended Dialing Procedure for Directory Assistance Under Feature Group D

Type of Call	Dialing Procedure	Operator Reached
IntraLATA		
HNPA*	411 or 555-1212	LEC
FNPA	1+ NPA-555-1212	LEC
HNPA**	101XXXX-555-1212	IntraLATA Carrier
FNPA**	101XXXX-1+NPA-555-1212	IntraLATA Carrier
InterLATA		
HNPA*	555-1212	LEC
FNPA	1 + NPA-555-1212	IC†
HNPA	101XXXX-555-1212	IC†
FNPA	101XXXX-1+NPA-555-1212	IC†

Legend:

FNPA = Foreign Numbering Plan Area
HNPA = Home Numbering Plan Area
IC = Interexchange Carrier
LATA = Local Access and Transport Area
LEC = Local Exchange Carrier
NPA = Numbering Plan Area

* Use of the prefix 1 is acceptable in areas where Centralized Automatic Message Accounting (CAMA) access is required.

** Only applies in those areas where intraLATA competition is allowed.

† Presubscription applies to interLATA directory assistance calls. The call will be handed off to the IC, but the IC business arrangement with a LEC to provide directory assistance may result in reaching a LEC operator.

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