STENTOR

The Power of Telecommunications

Interface Document
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NETWORK-TO-NETWORK INTERFACE

Call Management Service

Call Display - Name

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DOCUMENT HISTORY

1	July 1994	Initial issue

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1.0 INTRODUCTION

This document describes the network-to-network interface relating to conveying the calling party name required for the Call Display-Name feature of Call Management Service via the initial address message (IAM) of Common Channel Signalling System Number Seven (CCS#7).

Section 2 describes the messages and signals used. Section 3 specifies the formats and codes. Section 4 lists technical references.

2.0 MESSAGES AND SIGNALS

Call Display - Name requires the originating switch to create signalling information related to the calling party name and designated “Party Information”. Party Information is sent in the forward direction of the call and relayed without change through all intermediate switches to the terminating switch. The terminating switch determines that the called party is entitled to call display - name, and transmits the appropriate calling name information to the called subscriber’s terminal.

However, if calling party name is unavailable, or is suppressed as directed by the calling party, the originating switch does not include the Party Information parameter in the signalling information related to the call.

3.0 FORMATS AND CODES

The general format of the IAM is as described in Bellcore TR-NWT-000246. Calling party name is included in a "Party Information" parameter in the optional parameters portion of the IAM.

The optional parameter name code value of 1111 1100 (i.e. Hexadecimal value = FC), indicates that this is the Party Information parameter. It will be followed by the Parameter Length (coded as a binary integer) which is the sum of the octets in the parameter contents following the Parameter Length code.

The format of the contents of the Party Information Parameter is:

Party Information Parameter Contents Format

Octet	8	7	6	5	4	3	2	1
1	Name Information Indicator							
2	Name Information length							
3	Calling Party Name Indicator							
4	Calling Party Name Length							
5 . . . n	Calling Party Name							

The code for the Name Information Indicator is : 1111 1110, (i.e. Hexadecimal value = FE).

The Name Information Length is the sum of the number of octets in the Calling Party Name Indicator, Calling Party Name Length, and Calling Party Name; and is coded as a binary integer.

The code for the Calling Party Name Indicator is: 0000 0001.

The Calling Party Name Length is the number of octets (maximum is 15) in the Calling Party Name field, and is coded as a binary integer.

The Calling Party Name field contains a sequence of characters coded using the IA5 character set.

4.0 REFERENCES

TR-NWT-000246, Bellcore, "Bell Communications Research Specification of Signalling System Number 7", Issue 2, June 1991, Rev. 1 December 1991, Rev. 2, December 1992, Rev. 3, December 1993. This specification is not available from Stentor Resource Centre Inc. but can be obtained from:

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