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Bearer Capability Routing. The Bearer Capability Routing feature allows calls to be screened by the bearer capability in the setup message after the dialed digits are screened. If there is a match between the translator and the bearer capability defined in table XLAMAP, the call can be rerouted through the tables based on the bearer capability and ultimately leave the switch on a different trunk group. The following are some of the required translations. In this example a 64K data call is rerouted to a different translator.

This example works with AUTOVON on line originated calls only. Incoming trunk calls must access table LTCALLS. AUTOVON call processing does not use table LTCALLS.

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TABLE: BCDEF
TOP
KEY BCDATA

64KDATA UNRESDIG CIRCUIT CCITT

TABLE: RCNAME
TOP
NAMEKEY

64KDATA

TABLE: XLAMAP
TOP
XLAKEY DATA

64KDATA P602 (XLA CTCOMM) \$

TABLE: RTECHAR
TOP
RCKEY GROUPRC

64KDATA
(BC 64KDATA \$) \$

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The following are additional translations used for the basic call routing after the screening of the bearer capability. The entry in

table XLAMAP points toward the CTCOMM translator.

TABLE: XLANAME

CTCOMM \$ 9

TABLE IBNXLA

CTCOMM 94 NET N N 2 N NDGT N Y AVN R 100 LCL \$

TABLE HNPACONT

100 Y 32 4 (0) (1) (0) (0) 0 \$

. SUBTABLE HNPACODE

. 312 312 ATV 312

TABLE AVTDATA

312 HGRTE N 312 G3 0 N N N

TABLE AVRRTDATA

312 T1 N N S 6002PRI N N 3 N N

The first travers shows that the speech call uses the translator defined for the NCOS to route the call. The call leaves the switch on trunk group 4FDZ.

>traver 1 6666050 943124444423 b

TABLE KSETLINE

HOST 00 0 00 02 1 DN Y 6666050 MFS6 0 2 600 (3WC) (RAG) (LNR) (AVT) (PREMTBL) \$
MBS

TABLE DNATTRS

TUPLE NOT FOUND

TABLE DNGRPS

TUPLE NOT FOUND

TABLE KSETFEAT

TUPLE NOT FOUND

TABLE CUSTSTN

TUPLE NOT FOUND

TABLE OFCVAR

AIN_OFFICE_TRIGGER NIL

AIN Orig Attempt TDP: no subscribed trigger.

TABLE NCOS

MFS6 2 0 0 ALL_FO (XLAS P602 NXLA NDGT) (CRL 1 BLOCKED) (OHQ 0 ANNCEMENT) (CB
Q 3 3 Y 2) (ACR N) (AVP 1)\$

TABLE CUSTHEAD: CUSTGRP, PRELIMXLA, CUSTXLA, FEATXLA, VACTRMT, AND DIGCOL

MFS6 NXLA CT6 FT1 0 DCN1

TABLE DIGCOL

DCN1 9 RPT

TABLE IBNXLA: XLANAME P602

P602 94 NET N N 2 N NDGT N Y AVN R 606 LCL \$

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TABLE DIGCOL
NDGT specified: digits collected individually
TABLE SDCOS
MFS6 1 O N N N Y 0
TABLE HNPACONT
606 Y 888 10 ( 8) ( 1) ( 0) ( 0) 2 $
. SUBTABLE HNPACODE
. 312 312 ATV 1
TABLE AVTADATA
1 OSRTE Y 1 4FDZ 0 N N N
TABLE AVRRTDATA
TUPLE NOT FOUND
TABLE AVRRTDATA
1 T1 N N S 4FDZ N N 0 N N
AIN Info Collected TDP: no subscribed trigger.
AIN Info Analyzed TDP: no subscribed trigger.

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+++ TRAVER: SUCCESSFUL CALL TRACE +++

DIGIT TRANSLATION ROUTES

1 4FDZ	403124444423	ST
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TREATMENT ROUTES. TREATMENT IS: GNCT
 1 ICAANN
 2 LKOUT

+++ TRAVER: SUCCESSFUL CALL TRACE +++

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The second travers shows that the 64K data call initially uses the translator defined for the NCOS but, because of the match between the translator initially used and the bearer capability of the call, a new translator (CTCOMM in this example) is used for call routing. The result is that the call leaves the switch on a different trunk group.

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>traver l 943124444423 bc 64kdata b
INVALID DIRECTORY NUMBER
>traver l 6666050 943124444423 bc 64kdata b
Warning: Routing characteristics are present.
      Originator must be able to send in
      characteristics specified.

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TABLE RTECHAR
. 64KDATA ( BC 64KDATA $)$
TABLE KSETLINE
HOST 00 0 00 02 1 DN Y 6666050 MFS6 0 2 600 (3WC) (RAG) (LNR) (AVT) (PREMTBL) $
      MBS

```

TABLE DNATTRS
TUPLE NOT FOUND
TABLE DNGRPS
TUPLE NOT FOUND
TABLE KSETFEAT
TUPLE NOT FOUND
TABLE CUSTSTN
TUPLE NOT FOUND
TABLE OFCVAR
AIN_OFFICE_TRIGGRP NIL
AIN Orig Attempt TDP: no subscribed trigger.
TABLE NCOS
MFS6 2 0 0 ALL_FO (XLAS P602 NXLA NDGT) (CRL 1 BLOCKED) (OHQ 0 ANNCEMENT) (CB
Q 3 3 Y 2) (ACR N) (AVP 1)\$
TABLE CUSTHEAD: CUSTGRP, PRELIMXLA, CUSTXLA, FEATXLA, VACTRMT, AND DIGCOL
MFS6 NXLA CT6 FT1 0 DCN1
TABLE DIGCOL
DCN1 9 RPT
TABLE XLAMAP
. 64KDATA P602 (XLA CTCOMM)\$
TABLE IBNXLA: XLANAME CTCOMM
CTCOMM 94 NET N N 2 N NDGT N Y AVN R 100 LCL \$
TABLE DIGCOL
NDGT specified: digits collected individually
TABLE SDCOS
MFS6 1 O N N N Y 0
TABLE HNPACONT
100 Y 32 4 (0) (1) (0) (0) 0 \$
. SUBTABLE HNPACODE
. 312 312 ATV 312
TABLE AVTDATA
312 HGRTE N 312 G3 0 N N N
TABLE AVRRTDATA
TUPLE NOT FOUND
TABLE AVRRTDATA
312 T1 N N S 6002PRI N N 3 N N
AIN Info Collected TDP: no subscribed trigger.
AIN Info Analyzed TDP: no subscribed trigger.

+++ TRAVER: SUCCESSFUL CALL TRACE +++

DIGIT TRANSLATION ROUTES

1 6002PRI 404444423 ST

TREATMENT ROUTES. TREATMENT IS: GNCT
1 ICAANN
2 LKOUT

+++ TRAVER: SUCCESSFUL CALL TRACE +++

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