Packet Switch Service Orders - Interim Procedures


MEMORANDUM


August 13, 1985


The WISCONSIN BELL PACKET SWITCHING NETWORK has been installed
and final acceptance tests are underway.  The network in its
present state is capable of supporting selected official
service data applications, however some minor service
interruptions may be experienced until the acceptance tests are
completed.

The official service data applications that will be
incorporated on the packet switch must have a voice or private
line circuit access.  These services  will be installed via our
existing service order procedures.  In addition the information
relating to the packet switch access (Tie Pairs, IPM, Channel
Numbers, and other options) will be on the same service order.
Presently USOC's and FID's have not been completely defined and
validated in the SORD/CRIS system, consequently the packet
switch information required for installation will be contained
as "DES" and "RMKS" on the order.  This method will be used
until all the USOC's and FID's are validated.

The service orders will be written by the respective official
voice and data BUSINESS OFFICES.  Two types of access to the
packet switch will be utilized by the official service user,
data over voice (DVM) and private line access.

DVM PROCEDURES

The Mechanized Assignment Centers will assign the DVM equipment
associated with the packet network from information on the
service order.  MAC will then generate a frame ticket to the
appropriate C.O forces.  The central office wiring  of the
voice lines, and installation and maintenance of the DVM
modem's in the data cabinets will be done by Network Switch
Services Administration and Maintenance Forces.  The Official
Services I&M (voice) group will install the voice line, and the
associated customer premises modular modem if wiring is
required.  The Packet Network Control Center will do the
software programming associated with the packet switch.

PRIVATE LINE CIRCUITS PROCEDURES

The S&E section of the SORD order will contain information
pertaining to the packet switch PAD access port and tie pairs,
from the packet switch blocks in the central office to the
General Data Comm (GDC) modem cabinet. The private line data
circuits will be designed by the CIRCUIT PROVISIONING CENTER
(CPC). Network Switch Service, Special Services forces will
perform the central office wiring plus install the GDC modem in
the cabinet. The private line circuit from the serving C.O to
the customers premises will be installed and maintained by
Special Services I&M forces. The circuits should use central
office padding not 829's.

It is requested that the Special Services I&M technician call
the PNCC at 414-678-4420 to inform them of the slot used in the
multiple mounting GDC rack. The Packet Network Control Center
will do the software programming associated with the packet
switch features and options.

The attached exhibits show service order examples and frame
work diagrams for connecting the lines and circuits to the
packet switch network. If you have additional questions,
please contact me at 414-678-3846.

Assistant Manager - Packet Switching


Attachment

cc:
Mr. Anauo                       Mr. J. Murphy
Mr. Cash                        Mr. Oliphant
Mr. G.J. Doerr                  Mr. R.A. Perry
Mr. R. Hale                     Mr. B. Peterson
Mr. E.W. Hargarten             Mr. Rothman
Mr. Hoida                       Mr. Rucks
Mr. Kerber                      Mr. S. Sherman
Mr. Kondracki                   Mr. T. Sherman
Mr. Mathiak                     Mr. J. Stern
Mr. Meetz                       Mr. Walsh
Mr. Mogden                      Mr. Willet

/LOC UNIT PACKET SWITCH
DES/PACKET SWITCH CAB
CH 1 MDF EQPT H50 DVM 1
DTN 4144389827

---- STAT

/SWO

| | /NI |
|---|---|
| /RI | /RCO |
| /RF | /LIC |
| /LIF | /WSR |
| /OCB | |
| /HRS | |

/CD

START TIME | COMP TIME

LATIS DATA

WC ID_____

CA_____PR_____

LST___WOL_____BCT___

CDP___BPC_____CIR___

RE_____RTC_____

SOD___ODF_____OAC___

SS_____NO_____

ERR_____ERR_____
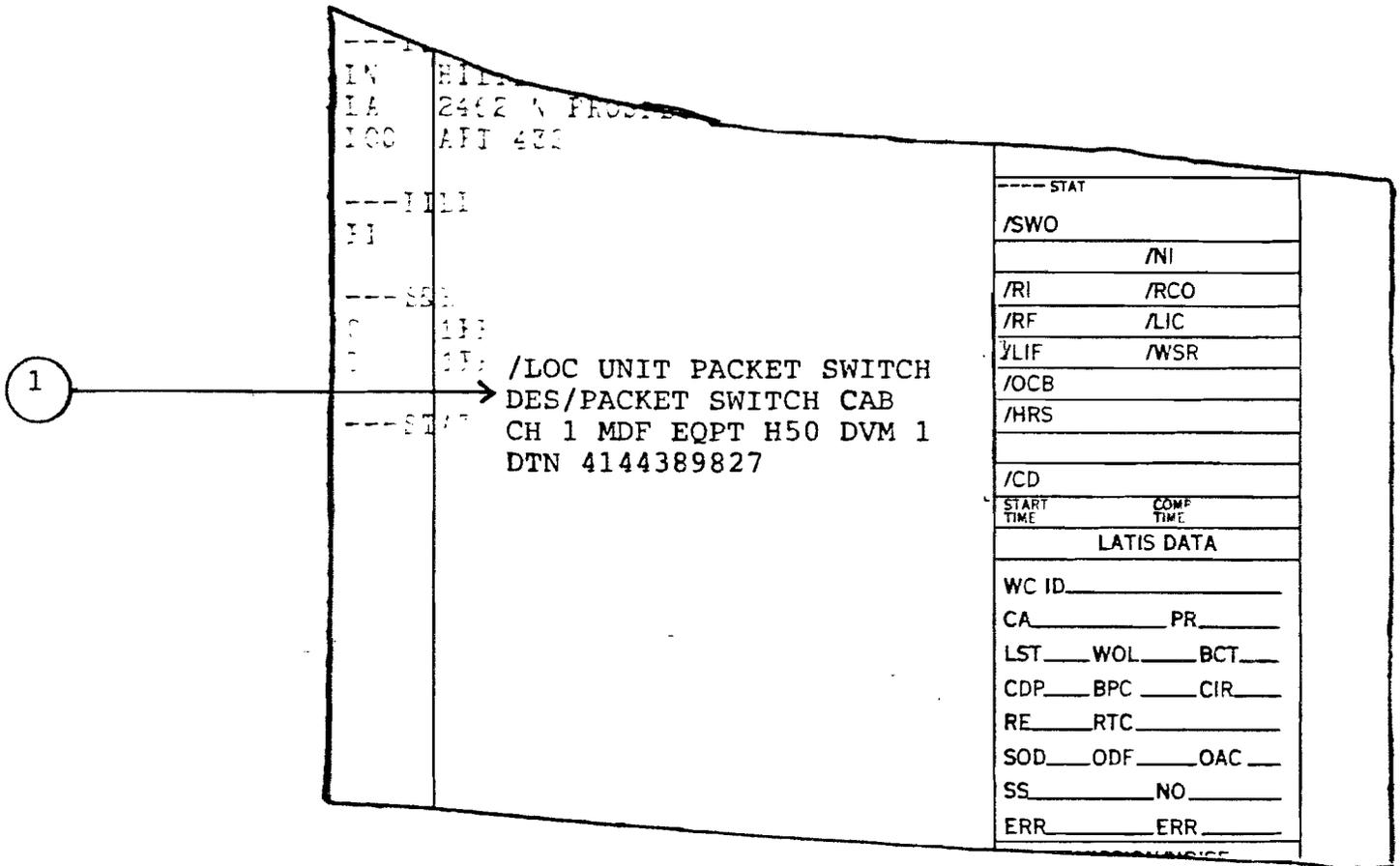
① PACKET SWITCH CABINET (CONTAINS SEISCOR DVM MULT MOUNTING RACK)

| | | |
|---|---|---|
| CH | = | SLOT CDVM CIRCUIT PACKS PLUG INTO |
| MDF EQ= | | PHYSICAL LOCATION OF DVM BLOCKS |
| DVM | = | CIRCUIT NUMBER ON THE BLOCKS |
| DTN | = | DATA TERMINAL NUMBER |

## SERVICE ORDER

FORM 7401-37-40-2
(5-83)          **A**

| | |
|---|---|
| SOI? | CEI FIOO??????... |
| #MSG | 134 ANOTHER ORDER I. IN FILE |
| TN | ???-????/??? ??./??? ?-1-?? |
| CIS | ??.I???.??????..?? |
| OI? | FIOO??????????/O? ??????/??? ?11???? |
| II | ?-3?? |
| ??? | ??;CO-??;?? |
| ?? | 1 |

| | |
|---|---|
| ---??? | |
| ???? | (SENDI)?IN CONSIN? ??II |
| ?? | ??? ?. ?????????? |

| | |
|---|---|
| ---??? | |
| ??? | ?-?/???? ?-? |
| ?? | ?-?/??? ?-1? |
| ??? | -?? |
| ??? | ?-?? |
| ???? | ? ??????? ???-???? |
| ??? | ??? ?. ?? ?1? ???-???? |
| ??? | ??? ?? ?1? ???-???? |
| ??? | ??? ?? ?1? ???-???? |

| | |
|---|---|
| ---??? | |
| ???? | ??.?/??.?????..?? |
| ??? | ????? |
| ???? | 1-??? ? ???? |
| ? | ????/DES PACKET SWITCH CAB |
| | IPM 2-9 CH 2, MDF TIE PR |
| | LS1 S83, DTN 4142749913 |
| ? | ??????? ??? ??? ?? ??? |
| | ?-????/??? ???? ????? |
| ??? | ?-??? ? ???? |
| ? | ????/??? ?? ??? |

| | | |
|---|---|---|
| LI TN | | |
| LI STA | | |
| ---- ASGM | OAB | |
| DIST. CABLE | LEAD PAIR | |
| DIST. TERM ADDRESS | | |
| ---- STAT | | |
| /SWO | | |
| | /NI | |
| /RI | /RCO | |
| /RF | /LIC | |
| /LIF | /WSR | |
| /OCB | | |
| /HRS | | |
| | | |
| /CD | | |
| START TIME | COMP TIME | |
| LATIS DATA | | |
| WC ID_____ | | |
| CA_____ PR_____ | | |
| LST___WOL____BCT___ | | |
| CDP___BPC _____CIR___ | | |
| RE___RTC_____ | | |
| SOD___ODF _____OAC___ | | |
| SS_____NO_____ | | |
| ERR_____ERR_____ | | |
| TRANSMISSION/NOISE MEASUREMENT | | |

① PACKET SWITCH CABINET (CONTAINS P.S PAD)

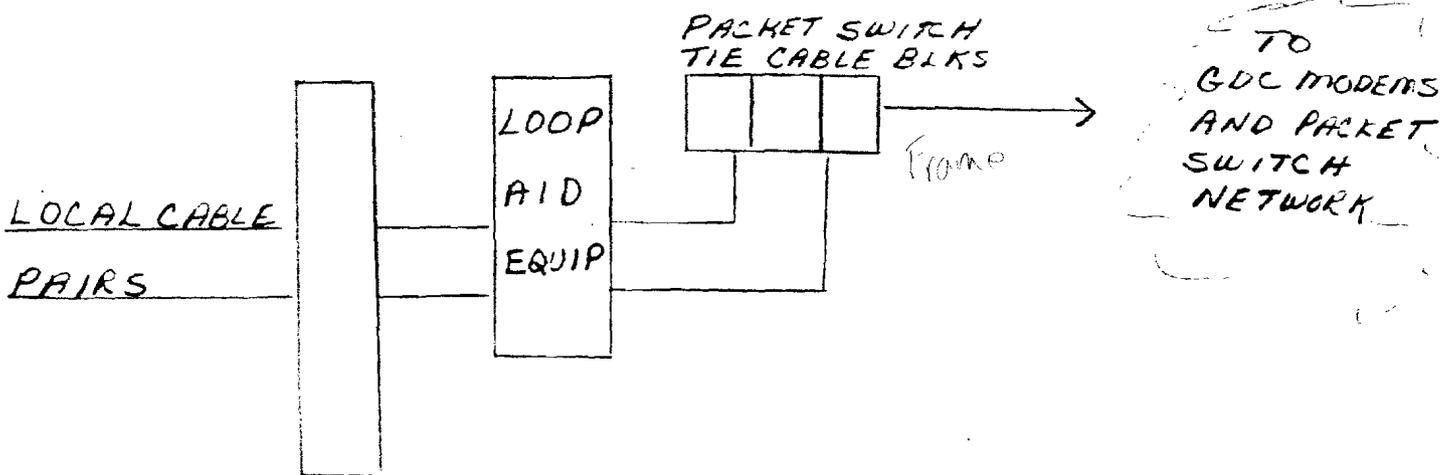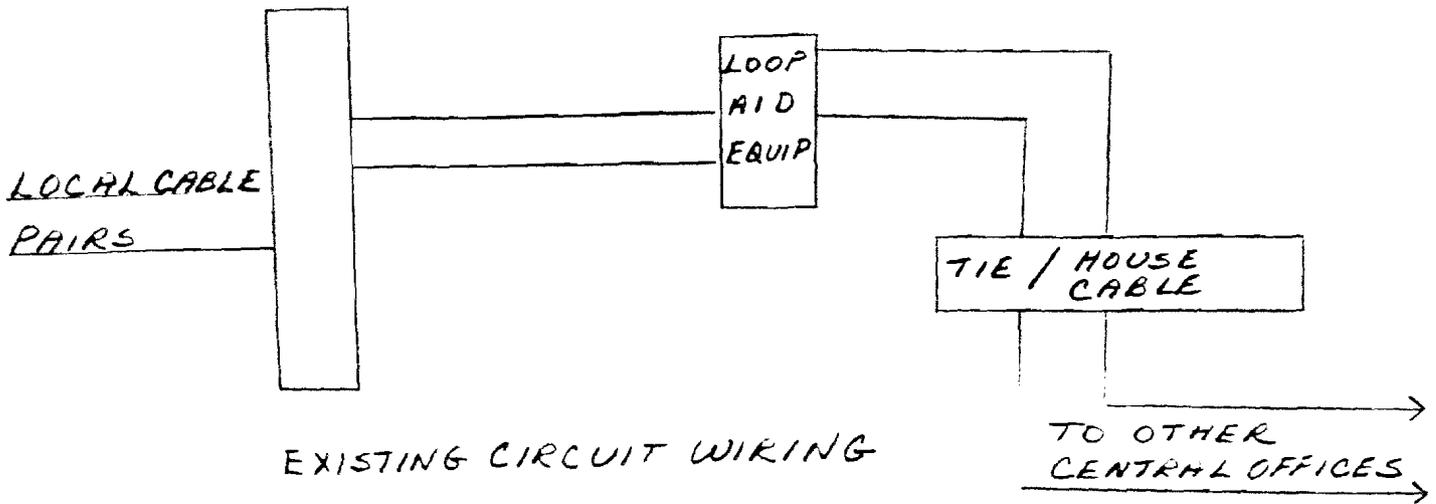| | | |
|---|---|---|
| IPM | = | INTERFACE PANEL MODULE (MOUNTED IN REAR OF P.S CABINET) |
| CH | = | CHANNEL (RS232 NUMBER ON IPM) |
| MDF TIE PR | = | WIRING LOCATION ON P.S BLOCKS TO GDC EQUIPMENT |
| S83 | = | PHYSICAL LOCATION OF BLOCK |
| DTN | = | DATA TERMINAL NUMBER |

EXHIBIT 3

# DVM C.O WIRING



LOCAL CABLE
PAIR

LEN

EXISTING VOICE LINE



DVM CONN BLKS | TO PACKET NETWORK

LOCAL CABLE
PAIR

LEN
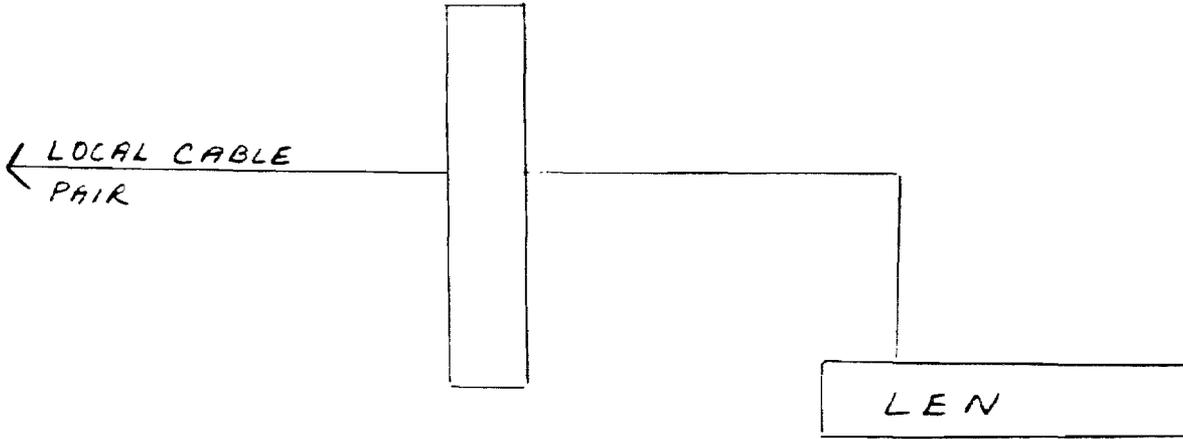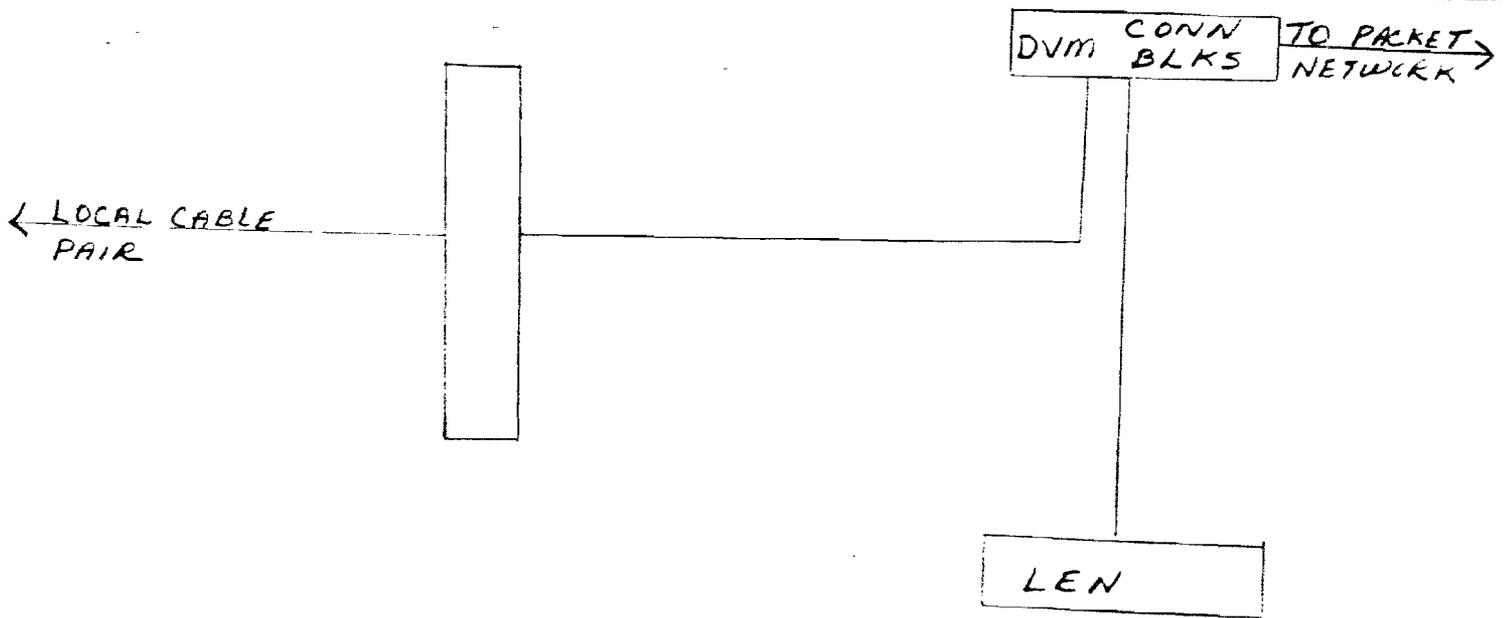
DVM WIRING TO PACKET SWITCH DATA NETWORK

EXHIBIT 4

PRIVATE LINE CIRCUIT C.O WIRING



LOCAL CABLE PAIRS

LOOP AID EQUIP

TIE / HOUSE CABLE

EXISTING CIRCUIT WIRING

TO OTHER CENTRAL OFFICES



PACKET SWITCH TIE CABLE BLKS

LOCAL CABLE PAIRS

LOOP AID EQUIP

Frame

TO GDC MODEMS AND PACKET SWITCH NETWORK

PRIVATE LINE CIRCUIT WIRING TO PACKET NETWORK