```
                                    DMS100.TXT
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@                                                                          @@
                      Digital Multiplex System (DMS) 100               @@
                                  by                                   @@
                           Knight Lightning                            @@
                                                                @@@@@@@@@@

@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
```

This file is of course about DMS 100. Expect full
length files about the other
variations of DMS (DMS 200 & 250) coming a later date. Much of the information
in this file was obtained from manuals acquired from Jester Sluggo. Note: IBN
stands for Integrated Business Network.
_____ _____

DMS-100

The DMS-100/IBN consists of electronic business sets and standard telephones,
data units, and attendant consoles, all located on the customer's premises; and
DMS-100 digital switching, a
nd support hardware/software, located at the
telephone company's premises. Together they create an integrated business
communications network that provides an unparalleled combination of features
and benefits.

o DMS-100/IBN integrates voice and data in a total business communications
   system.

o Effectively serves all sizes of organizations, from small businesses using
   only a few lines, to the most complex network systems with up to 30,000
   lines.

o The IBN system monitors and controls its own
operations automatically;
   diagnoses problems; and in some cases, does its own repairs.

o Fully modular, to meet present needs, and accommodate new features as they
   are needed.

o Cost effective: Helps control communications costs through more efficient
   use of facilities; centralization of attendant service where needed; Call
   Dial Rerouting (CDR) to control and restrict long-distance calling; and
   network management.

o Worry free operation-Northern Telecom's DMS-100 digital switches are ba
cked
   up by highly trained telephone company personal.
```

---------------------------------------------------------- ------------------

Some of the other features that DMS 100 has include:

o  Automatic Route Selection - automatically routes long distance calls over
   the most economical route available.

o  Station Message Detail Recording - provides a detailed record of long
   distance charges, including the originating number, time, and duration,
   authorization code, etc.

o  Direct Inward System
Access (DISA) - enables company personnel to use
   cost-saving company facilities for long distance calling, even from outside
   the company.
---------------------------------------------------------- --------------------
                      System Features and Benefits
---------------------------------------------------------- --------------------
Note: I will list all the features, but I will only go into detail about the
      important ones.

ATTENDANT CONSOLE
-----------------
Call Waiting Lamp

Loop Keys - There are 6 loop keys, each with its associated source and
            destination lamp to indicate the calling and called party states.
Alphanumeric Display
Multiple Directory Numbers
Feature Keys - Up to a total of 42.  Some of them could be used for Speed
               Calling and Paging System.
Incoming Call Identifier
Exclude Source/Exclude Destination - privacy keys
Signal Source/Signal Destination:  Release Source/Release Destination

Console Features
----------------
Access to paging
                   Call hold
Call detail entry                    Remote console
Call Selection                       Console display
Camp-on                              Automatic recall
Conference - 6 port                  Two-way splitting
Non-delayed operation                Attendant transfer
Locked loop operation                Busy verification of lines
Manual and automatic hold            Multiple console operation
Busy verification of trunks          Switched loop operation
Trunk g

roup busy indication          Uniform call distribution form queue
Multiple listed directory numbers    Control of trunk group access
Secrecy                       Night service
Serial call                   Speed calling
Lockout                       Delayed operation
Position busy                 Interposition calling
Through dialing
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
ELECTRONIC BUSINESS SETS
------------------------
LCD
Indicators
Call Forwarding
Automatic Line
Call Pick-up
Ring Again - automatically redials busy numbers until they are free
Multiple Directory Numbers
Intercom
Speed Call
Call Transfer/Conference
On-Hook Dialing

Additional Programmable Features
--------------------------------
Automatic Hold
Listen-on Hold
Multiple Appearance Directory Numbers (MADN)
 - Single Call Arrangement
 - Multiple Call Arrangement
Privacy Release
Tone Ringing with Volume Control
End-to-End Signaling
Call Park
Make Set Busy
Malicious
 Call Trace
Busy Override
Attendant Recall
Call Waiting
Stored Number Redial
Private Business Line
32 Character Alphanumeric Display
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
DATA UNIT
---------
The DMS-100/IBN Data Unit makes information accessing as easy to learn and to
use as the telephone.  It can be used as a "Standalone" or attached to the
Business Set or standard telephone, for integrated voice and data telephone

telecommunications.

Transmits over simple 2-wire
loops, at speeds of up to 56 kb/s, using Northern
Telecom's proprietary Time Compression Multiplexing technology; Compatible with
existing computer and data terminal equipment, and is available in different
low-speed and high-speed models, to suit existing terminal capacity.

Benefits
--------
o  Combines with Business Set or standard telephone, to provide integrated
   voice/data communications.

o  Your data unit and telephone can operate together simultaneously or totally
   independent of each other.

o
   Fully digitalized, eliminating bulky analog modems.

o  Ring Again (constant redial on busy numbers)

o  Speed Calling
------------------------------------------------------------ --------------------

For further information contact:

Digital Switching Systems Sales
Northern Telecom Inc.
P.O. Box 13010
4001 East Chapel Hill -- Nelson Highway
Research Triangle Park
North Carolina 27709
Tel: (919) 549-5000

Switching Group Sales, Department S-70
Northern Telecom Canada Limited
8200 Dixie Road, P.O. Box 3000

Brampton, Ontario
L6V 2M6
Tel: (416) 451-9150