Numeric values

All numeric values in text units are specified with a length of 1 to 8 bytes. If the field is longer than 8 bytes, only the low-order 4 bytes are used.

Table 1. Text unit descriptions and format

Mnemonic	Key (hex)	Number	Length	Data

INMBLKSZ	0030	1	1 to 8 bytes	**Blocksize of the file**
				
				Example: Specification of blocksize 32768.
				
				`KEY     NUM     LEN     DATA`
				`0030    0001    0004    00008000`

INMCREAT	1022	1	4 or more bytes	**Creation date of the file, in standard format**.
				
				Example: Specification of September 25, 1987.
				
				`KEY     NUM     LEN     DATA`
				`1022    0001    0008    F1F9F8F7F0F9F2F5`

INMDDNAM	0001	1	Length of name	**DDNAME associated with the file**.
				
				Example: Specification of DDNAME DD1.
				
				`KEY     NUM     LEN     DATA`
				`0001    0001    0003    C4C4F1`

INMDIR	000C	1	1 to 8 bytes	**Number of directory blocks in the file**.
				
				Example: Specification of 15 directory blocks.
				
				`KEY     NUM     LEN     DATA`
				`000C    0001    0003    00000F`

INMDSNAM	0002	Number of fields in file name	Length of file name field	**Name of the file**. File names are divided into fields. In MVS™, the name contains a maximum of 22 fields, each having at most 8 characters. The fields are separated by periods: AA.BB.CC.DD is an example. The total length, including the periods, must not exceed 44 characters. In CMS, file names have three fields: filename, filetype, and filemode, with a maximum length of 8, 8, and 2 characters, respectively. The fields are separated by blanks: REPORT SCRIPT A1 is an example. When transmitting a CMS file, the filemode character (but not the number) is specified in this text unit. The filemode number is specified in the INMFFM text unit. The filemode character is the first field of the file name. Note that TSO/E data set names are transmitted differently in control records than in the text units available to

installation exits through text unit pointer lists (as shown in the examples that follow). In the text units pointed to from text unit pointer lists, the name is sent as a single length-data pair. In control records, each part of the name and its length is a separate length-data pair.

Example: Specification of TSO/E data set A.B in text units available through pointer lists.

```
KEY      NUM      LEN      DATA
0002     0001     0003     C14BC2
```

Example: Specification of TSO/E data set A.B in INMR02 control records.

```
KEY      NUM      LEN1     DATA1     LEN2     DATA2
0002     0002     0001     C1        0001     C2
```

INMDSORG	003C	1	2 bytes	**The file organization**, either:
				
				X'0008'
				      for VSAM
				X'0200'
				      for partitioned organization
				X'4000'
				      for physical sequential
				
				Example: Specification of a physical sequential file.
				
				`KEY      NUM      LEN      DATA`
				`003C     0001     0002     4000`

INMEATTR	8028	1	1 byte	**Extended attribute status**. It can be in any of the following formats:
				
				X'00'
				      Unspecified
				X'01'
				      NO
				X'02'
				      OPT
				
				Example: Specification of EATTR as OPT.
				
				`KEY      NUM      LEN      DATA`
				`8028     0001     0001     02`

INMERRCD	1027	1	1 or more bytes	**A string indicating the result of the RECEIVE operation.**
				
				Example: Specification that the transmitted file was "RECEIVED".
				
				`KEY      NUM      LEN      DATA`
				`1027     0001     0008     D9C5C3C5C9E5C5C4`

INMEXPDT	0022	1	4 or more	**Expiration date of the file, in standard format**.

			bytes	**Example:** Specification of January 1, 1988.

```
KEY     NUM     LEN     DATA
0022    0001    0008    F1F9F8F8F0F1F0F1
```

INMFACK	1026	1	1 to 64 bytes	**Blanks or a notification string that the issuer of TRANSMIT specified**.

This text unit exists only if the sender (or installation exit) requested acknowledgment that the transmitted file was received. If the sender also specified a notification string to identify the transmission, that string is in the text unit data field. If no string was specified, the length and data fields are blank.

Example: Specification of notification with string FRED.

```
KEY     NUM     LEN     DATA
1026    0001    0004    C6D9C5C4
```

Example: Specification of notification without a string.

```
KEY     NUM     LEN     DATA
1026    0001
```

INMFFM	102D	1	1 byte	**Filemode number of a CMS file**.

Example: Specification of filemode number 0.

```
KEY     NUM     LEN     DATA
102D    0001    0001    F0
```

INMFNODE	1011	1	Length of node name or number	**Name or number of the origin node**.

Example: Specification of node VENICE.

```
KEY     NUM     LEN     DATA
1011    0001    0006    E5C5D5C9C3C5
```

INMFTIME	1024	1	4 or more bytes	**The time the transmission was created, in standard format.**

Example: Specification of July 19, 1987 at 3:20 PM.

```
KEY     NUM     LEN     DATA
1024    0001    000C    F1F9F8F7F0F7F1F9F5F2F0
```

INMFUID	1012	1	Length of user ID	**User ID of the originator of the transmission**.

If the transmission is a file, the originator is the issuer of TRANSMIT. If the transmission is an acknowledgment, the originator is the issuer of the acknowledgment.

Example: Specification of user ID IMBUSER.

```
                              KEY      NUM      LEN      DATA
                              1012     0001     0007     C9C2D4E4E2C5D9
```

INMFVERS	1023	1	1 to 8 bytes	**The version number of the data format used for the transmission**.

Example: Specification of version 1.

```
KEY      NUM      LEN      DATA
1023     0001     0004     00000001
```

INMLCHG	1021	1	4 or more bytes	**Date the file was last changed, in standard format**.

Example: Specification of April 1, 1987 at 8:12 PM.

```
KEY      NUM      LEN      DATA
1021     0001     000E     F1F9F8F7F0F4F0F1F2F0F1F2
```

INMLRECL	0042	1	1 to 8 bytes	**The actual or maximum number of bytes in the logical record in the file.**

Example: Specification of 80-byte records.

```
KEY      NUM      LEN      DATA
0042     0001     0001     50
```

INMLREF	1020	1	4 or more bytes	**Date the file was last referenced, in standard format**.

Example: Specification of February 14, 1988.

```
KEY      NUM      LEN      DATA
1020     0001     0008     F1F9F8F7F0F2F1F4
```

INMLSIZE	8018	1	4 bytes	**Size of the file in megabytes (MB)**.

Note: The value in this text unit for a partitioned data set specifies the size of the PDS, not the size of a member.

Example: Specification of a two gigabyte file.

```
KEY      NUM      LEN      DATA
8018     0001     0004     00000800
```

INMMEMBR	0003	1 or more	Length of member name	**List of member names**.

If more than one member is being transmitted, there are multiple length-data field pairs, one for each member.

Example: Specification of members IEASYS00 and A.

```
KEY   NUM   FLGS   LEN1   DATA1
0003  0002  xxxx   0008   C9C5C1E8E2F0F0
LEN2   DATA2
0001   C1
```

INMNUMF	102F	1	1 to 8 bytes	**Number of files that make up the transmission**.

If any files are being transmitted, this text unit must be in the INMR01 control record. If the text unit is missing, the number of files is assumed to be zero, which is true only when the transmission is an acknowledgment.

Example: Specification of two files in the transmission.

```
KEY      NUM      LEN      DATA
102F     0001     0004     00000002
```

INMRECCT	102A	1	1 to 8 bytes	**Number of records transmitted**.

Example: Specification of 129 records.

```
KEY      NUM      LEN      DATA
102A     0001     0001     81
```

INMRECFM	0049	1	2 bytes	**The record format of the file**.

The value is the result of "logically ORing" one or more of the following values together:

X'0001'
    Shortened VBS format used for transmission records
X'xx02'
    Varying length records without the 4-byte header
X'0200'
    Data includes machine code printer control characters
X'0400'
    Data contains ASA printer control characters
X'0800'
    Standard fixed records or spanned variable records
X'1000'
    Blocked records
X'2000'
    Track overflow or variable ASCII records
X'4000'
    Variable-length records
X'8000'
    Fixed-length records
X'C000'
    Undefined records

Example: Specification of fixed block records.

```
KEY      NUM      LEN      DATA
0049     0001     0002     9000
```

INMSECND	000B	1	3 bytes	**Secondary space quantity**.

Example: Specification of 10 blocks.

```
KEY      NUM      LEN      DATA
000B     0001     0003     00000A
```

INMSIZE	102C	1	4 bytes	**Size of the file in bytes**.

Note that the value in text units for partitioned data sets specifies the size of the PDS, not the size of a member.

Example: Specification of a 1,000,000 bytes file.

```
KEY      NUM      LEN      DATA
102C     0001     0004     000F4240
```

INMTERM	0028	0	Omitted	**Omitted**. This text unit indicates that the data was transmitted as a message.

Example: Specification of transmitted data.

```
KEY      NUM      LEN      DATA
0028     0000
```

INMTNODE	1001	1	Length of node name	**Node name to which the transmission is being sent**

Example: Specification of node ROME.

```
KEY      NUM      LEN      DATA
1001     0001     0004     D9D6D4C5
```

INMTTIME	1025	1	4 or more bytes	**The time the transmission was received, in standard format**.

Example: Specification of March 14, 1987 at 8:30 AM.

```
KEY      NUM      LEN      DATA
1025     0001     000E     F1F9F8F7F0F3F1F4F0F8F3F0
```

INMTUID	1002	1	Length of user ID	**User ID to which the transmission is being sent**.

Example: Specification of user ID IBMUSER.

```
KEY      NUM      LEN      DATA
1002     0001     0007     C9C2D4E4E2C5C9
```

INMTYPE	8012	1	1 byte	**Data set type**.

X'80'
    Data library
X'40'
    Program library
X'04'
    Extended format sequential data set
X'01'
    Large format sequential data set

Example: Specification of data library.

```
KEY     NUM     LEN     DATA
8012    0001    0001    80
```

| INMUSERP | 1029 | 1 | 1 to 251 bytes | **The character string specified on the PARM keyword of the TRANSMIT or RECEIVE command.** |

Example: Specification of user string 'PARM1'.

```
KEY     NUM     LEN     DATA
1029    0001    0005    D7C1D9D4F1
```

| INMUTILN | 1028 | 1 | Length of name | **Name of the utility program that is used in restoring the transmitted data to its original format.** |

Currently defined names are:

INMCOPY
Invokes an internal utility to convert from the transmission format to a sequential file.
IEBCOPY
Invokes the IEBCOPY utility to reload a partitioned file.
AMSCIPHR
Invokes the Access Method Services REPRO command to decrypt a file.

Example: Specification of utility program INMCOPY.

```
KEY     NUM     LEN     DATA
1028    0001    0007    C9D5D4C3D6D7E8
```

Parent topic: Types of text units