LOPID$ - Return List of Valid Operator-IDs

The LOPID$ routine is used to return a list of the valid Operator-ID's recognized by the currently configured Authorisation Program.

1. Invocation

To obtain a list of the valid Operator-IDs code:

```
CALL LOPID$ USING lo
```

where *lo* is a control block of the following format:

```
01    LO
  02  LOVERS      PIC 9(4) COMP          * BLOCK VERSION NUMBER
                  VALUE 1                * (MUST BE SET TO 1)
  02  LOSIZE      PIC 9(4) COMP          * SIZE OF BUFFER TO RECEIVE OPIDS
  02  LOBPTR      PIC PTR                * POINT TO BUFFER TO RECEIVE OPIDS
  02  LOTOTAL     PIC 9(4) COMP          * TOTAL NUMBER OF OPIDS IN AUTH FILE
  02  LOACTUAL    PIC 9(4) COMP          * ACTUAL NUMBER OF OPIDS RETURNED
  02  LOFLAG      PIC 9(2) COMP          * 0 = OPERATORS NOT IN THE OPID
                                         * TABLE ARE NOT ALLOWED TO SIGN-IN
                                         * 1 = OPERATORS NOT IN THE OPID
                                         * TABLE ARE ALLOWED TO SIGN-IN
```

2. STOP Codes and Exception Conditions

The following STOP codes may be generated by LOPID$:

STOP code	Description
22705	The LOVERS value is invalid.

The following exception conditions may be returned by LOPID$:

EXIT code	$$COND	Description
22717	17	No Authorisation Program configured.
22718	18	The Authorisation Program is $AUTH (this is not currently supported)
22719	19	The Authorisation Program is $PASSWD (this is not currently supported)
22720	20	An unknown 3rd party Authorisation Program is in use.
22721	21	Error opening Authorisation File.

22722	22	Error reading Authorisation File header.
22723	23	Invalid Authorisation File version number.
22724	24	Invalid Authorisation File record size.
22725	25	The Authorisation File is empty (does not contain any Operator-ID records).
22726	26	Error reading Authorisation Operator-ID record.

3. Programming Notes

LOPID$ is only available with GSM SP-44, or later.

The size of the receive buffer supplied via the LOBPTR$ pointer must be at least as large as the value in LOSIZE. The Operator-IDs are supplied as an unsorted list of PIC X(4) fields in the receive buffer (i.e. LOSIZE and the buffer size should be a multiple of 4, although this is not checked by LOPID$). The maximum number of Operator-IDs returned is simply LOSIZE/4, rounded down if necessary.

The total number of Operator-IDs in the Authorisation File is returned in LOTOTAL. The actual number of Operator-IDs returned by LOPID$ is returned in LOACTUAL. Thus:

If LOSIZE/4 >= LOTOTAL LOACTUAL = LOTOTAL
If LOSIZE/4 < LOTOTAL LOACTUAL = LOSIZE/4

The calling program can compare the values of LOACTUAL and LOTOTAL to determine if the receive buffer was large enough to hold all the possible Operator-IDs.

The returned LOFLAG value will be 0 if operators not in the Authorisation File are **not** allowed to sign-in (i.e. the list of Operator-IDs returned by LOPID$ is a complete list of possible Operator-IDs). The LOFLAG value will be 1 if operators not in the Authorisation File **are** allowed to sign-in (i.e. the list of Operator-IDs returned by LOPID$ is an incomplete list of all the possible Operator-IDs).

4. Examples

[EXAMPLE REQUIRED]

5. Copy-Books

None.

6. See Also

None.