

## AUTHM\$ - Test Authorisation Point from Menu Handler

The AUTHM\$ routine is used by the Menu Handler to test an authorisation point position for use with the \$AUTH32 system of authorisation vetting.

### 1. Invocation

To establish an Authorisation Point:

```
CALL AUTHM$ USING point
```

where *point* is a PIC X(10) variable or literal containing the authorisation point name.

### 2. STOP Codes and Exception Conditions

No STOP codes are generated.

The following EXIT codes may be returned by AUTHM\$:

EXIT code	\$\$COND	Description
1	1	Access denied.

### 3. Programming Notes

Authorisation points should be set in the application using AUTHM\$ at places where further progress is allowed with valid authorisation. Access is established in the tables maintained by \$AUTH32. All authorisation points occurring within the application must be defined in the AUTHP database on the application program which can be maintained using the \$AUTHP development utility.

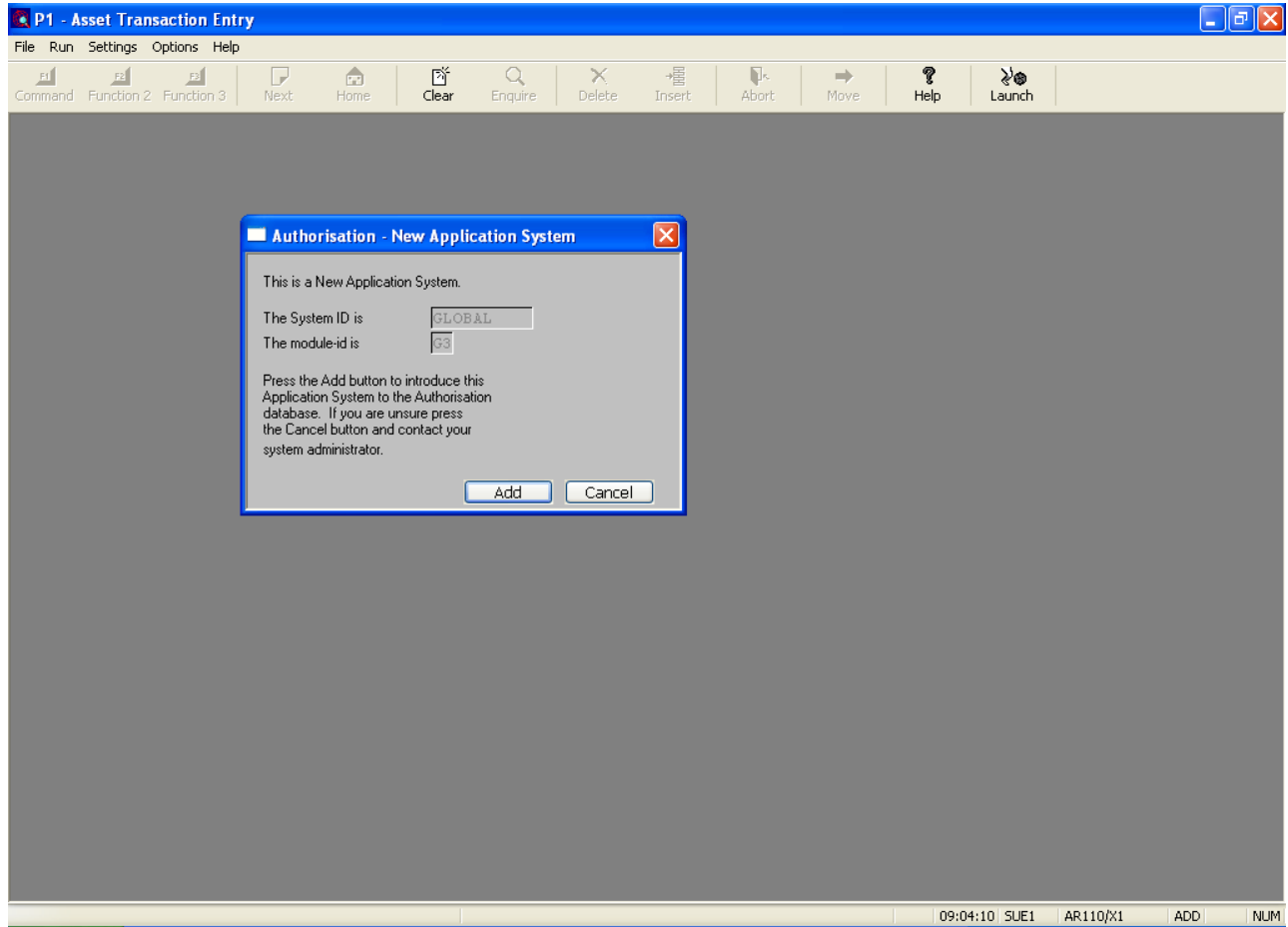
It is up to the application program to deal with an access denied error from the AUTHM\$ subroutine.

AUTHM\$ will only be activated if the sign-on program established using \$CUS ('Customise sign-on'/'Authorisation vetting') is set to \$AUTHEX. See the \$AUTH32 Notes for further details.

In addition to checking the authorisation point, a call to AUTHM\$ will load the authorisation point database (AUTHP on unit \$P) into the authorisation tables on the master, (\$OPID on unit \$M). This

will be performed for a new system and also for an application which has a different AUTHP build number from that held in the \$OPID database.

If this load from DBAUTHP to DB\$OPID occurs the following window will be displayed by AUTHM\$:



AUTHM\$, when authorisation checking is active, may display one of the following messages:

Error Code	Message	Reason	\$\$COND
1	Cannot open \$OPID on \$M	Cannot open \$OPID either because it is not present or it is corrupt or in use.	1

2	Cannot open AUTHP on \$P	Cannot open the AUTHP database either because it is not present is in use or is corrupt.	1
4	No user account for opid	The current user is not present in the \$OPID database and must be added using \$AUTH32. This is very unlikely to occur.	1
5	You do not have access to this facility	Access to the system/module/authorisation point has been denied for the current user.	1
6	User account disabled for opid	This operator has been disabled. The operator can be enabled using \$AUTH32.	1
7	System/user combination is invalid for system/opid	The combination of the System and User is invalid for the combination of the current System and Operator.	1
8	Account is not active until date	The activation date for the current user is prior to the current date. This can be amended using \$AUTH32.	1
9	Account expired on date	The current date is passed the expiry date for this user. The expiry data can be modified using \$AUTH32.	1
10	Access profile denies access at this time	The user's access profile denies access at this time. The log on profile can be modified using \$AUTH32.	1

11	Invalid calling authorisation point (authp)	The authorisation point within the application is not present in the \$OPID database and was therefore not present within the AUTHP database. The AUTHP database must be modified, the system/module combination removed using \$AUTH32 and the system reloaded.	1
12	Authorisation point password expired on date	The authorisation point password has expired. The length of time a password is active can be modified using \$AUTH32.	1
13	No system-id	The current system-id, \$\$SYID, has not been set up by either the menu entry or the application program when authorisation checking is active.	1
14	Database (\$OPID unit \$M) is full and must be extended	One or record sets in the \$OPID database is full. The database must be extended using \$BADGN.	1
15	Invalid password start date	The start date for the password associated with an authorisation point is invalid. This may be due to database corruption.	1
16	Invalid system-id/module-id combination	The system/module combination is not present in the \$OPID database. The	1

		system/module combination must be set using \$AUTH32.	
17	Couldn't determine gen. number of DB\$OPID	It was not possible to determine the generation number of the \$OPID database. This may be due to database corruption.	1
18	Couldn't determine gen. number of DBAUTHP	It was not possible to determine the generation number of the AUTHP database. This may be due to database corruption.	1
19	Illegal DB\$OPID & DBAUTHP gen. number combination	Either the AUTHP or the \$OPID database or both has an incorrect generation number and no legacy version of the AUTHM\$ routine is available to cope with the problem.	1
20	Older version of Authorisation database detected	Either the AUTHP or \$OPID database is of the incorrect generation number but a legacy version of AUTHM\$ has been used to check them. The \$OPID database should be upgraded as soon as possible if it is not of the current generation number.	1
21	Incorrect version number detected for SysID/Module	The version number set for the system/module combination is invalid. Either an attempt was made to use an old application program or the version was not set correctly using	1

		\$AUTH32.	
22	Unable to read authorisation file header	There is no header record in the \$OPID database. Either \$AUTH32 has not been run on the database or the database is corrupt.	1

Note that the following calling convention:

CALL AUTHM\$ USING *opid frame*

where *opid* is a PIC X(4) variable or literal containing the operator-id; and *frame* is a PIC X(8) variable or literal containing a frame name is considered obsolete and is only supported to provide compatibility with early versions of Global-3000.

#### 4. Examples

[no examples available]

#### 5. Copy-Books

None.

#### 6. See Also

\$AUTH32    Authorisation vetting  
 \$AUTHP    Maintain AUTHP database  
 AUTHA\$    Test Authorisation Point  
 AUTHB\$    Test Authorisation Point from Menu Handler  
 AUTHL\$    Load Authorisation Points