

EQUIPMENT DATABASE - VIDEO MONITORING

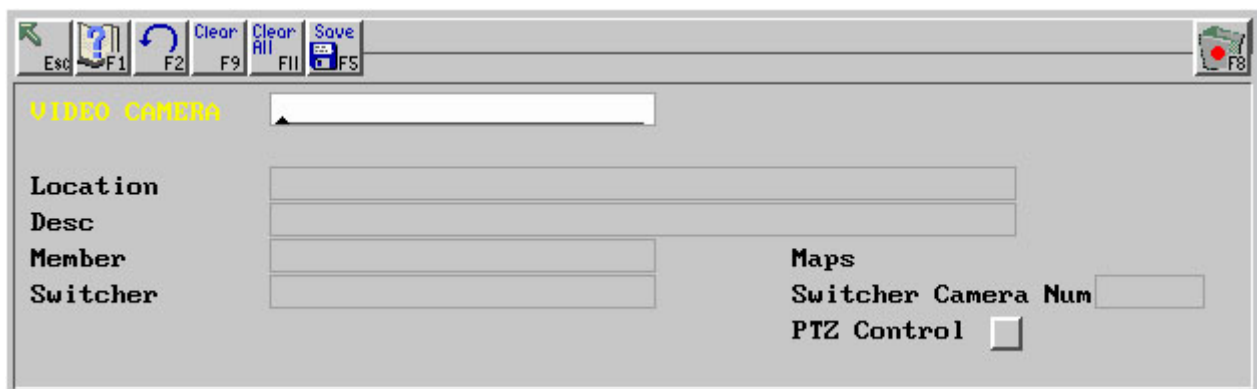
If your ARES system is licensed to have Video Monitoring (CCTV), this menu is where the Video Switchers (Multiplexers), Video Cameras, Video Monitors and Preset Views are programmed.



Equip. Dbase - Video Monitoring - Video Cameras

Control of the camera is performed by a specified switcher, whose information is also stored in the database. The camera's range of movement is determined by inserting an X in the **PTZ Control** check box, so cameras can pan, tilt and zoom. Cameras with this degree of control can be moved within the ARES system via the Video Monitoring menu (see **Reference Manual, Video System Control, Video Camera Control**). The camera can also be located on a map, (see **Graphics Manual**).

Video Cameras Screen

The image shows the "VIDEO CAMERA" screen. At the top is a toolbar with icons for navigation and function keys (Esc, F1, F2, F9, F11, F5, F8). The main area has a title "VIDEO CAMERA" and a search bar. Below are fields for "Location", "Desc", "Member", and "Switcher". To the right, under the heading "Maps", are fields for "Switcher Camera Num" and a "PTZ Control" checkbox.

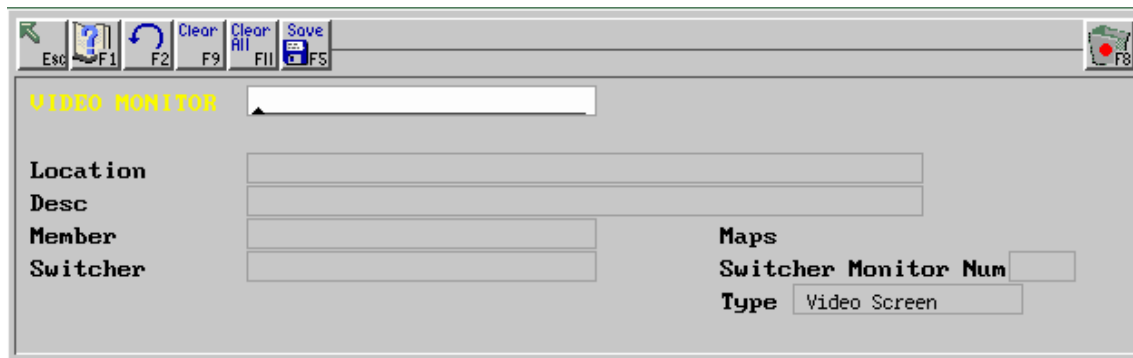
The **ID**, **Member**, **Switcher** and **Switcher Camera Number** are all mandatory fields.

NOTE: The switcher must be programmed first. Also, if the switcher record is deleted, all camera records associated with the switcher will be deleted too.

Equip. Dbase - Video Monitoring - Video Monitors

This identifies the video monitor to the switchers in the system. The **Switcher Monitor Num** field is for entering the monitor number that the switcher knows it by.

Video Monitors Screen



The **ID**, **Member**, **Switcher** and **Switcher Camera Number** are all mandatory fields.

NOTE: The switcher must be programmed first. Also, if the switcher record is deleted, all monitor records associated with the switcher will be deleted too.

Equip. Dbase - Video Monitoring - Video Switchers

Switchers are the equipment through which ARES controls a monitor or camera. An ID and a member are assigned and a description of the switcher can be placed in the **Desc** field.

In order for ARES to communicate with the switcher it is important to identify which type of switcher is being used so that correct communication can be established. From the **Protocol** field the switcher type can be selected from a drop down menu.

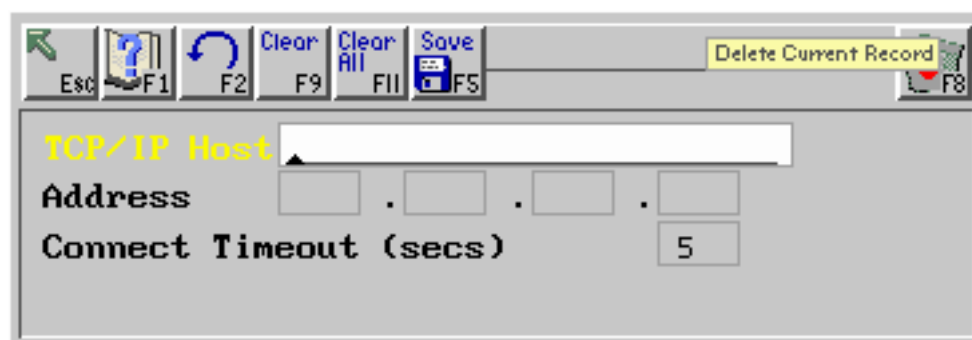
TCP/IP Hosts

Used to allow Challengers to be connected to the ARES system via the network cable.

TcpIp Host Id - Enter TCP/IP host Id. A unique Id is needed.

TcpIp Address - Enter IP address. Eg. 128.37.28.1 — This means 128 is in first field, 27 in second field and so on.

Connection TimeOut - Specify the number of seconds that ARES will try to connect to the given IP address before it times out. This value may be varied depending on the traffic of the network.



UPS

Uninterruptable Power Supplies are strongly recommended. In the event of a power failure, ARES will know when to shutdown to protect its databases and files from corruption.

Node Id Select Node Id the UPS card is connected to by using the **F4** key.

Active Flag This flag indicates whether the selected node is now monitoring.

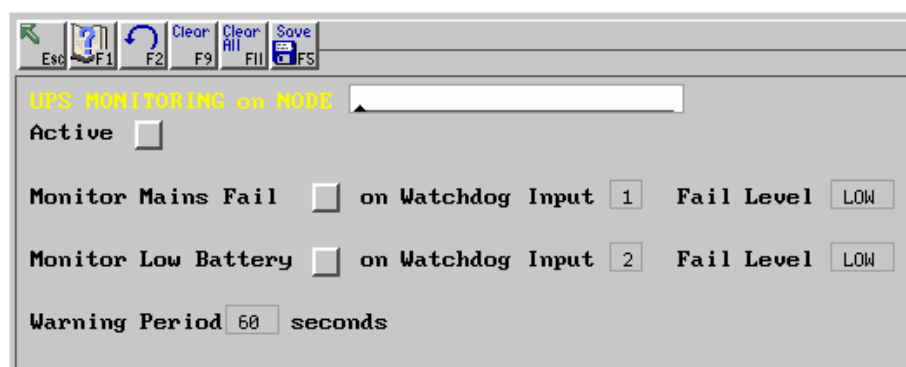
Monitor Mains Fail Flags Enable/Disable mains fail monitoring.

Watchdog Input Select the input number for the monitoring device.

Fail Level Indicate the Fail level. Ie: Active high or Active low.

Monitor Low Batt Flag Enable/Disable Low Battery monitoring.

Waiting Period Number of seconds delay before the next warning will be generated.



Storage

This function creates the database for any storage device that is installed on the ARES system. Select the node number where the device is installed.

Storage Id Use **F4** to list all available devices or enter an Id to create a new storage device.

File System Type This option specifies the file system of this device - either QNX or MSDOS. . The floppy disk drive can be QNX file system or MSDOS file system. If you want both, then two records must be created.

For QNX: Node=1, Id=QNX formatted floppy, Fsys
Type=QNX, Hardware Id=fd0

For DOS: Node=1, Id=DOS formatted floppy, Fsys
Type=DOS, Hardware Id=fd0

Note that the Id field MUST be unique.

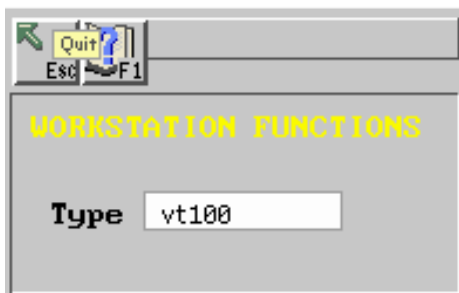
Hardware Id Select a hardware Id, use **F4** list all the available devices. All the devices listed here must already reside in the QNX directory of '/dev'.

Monitor Space This flag indicates that ARES will monitor the space of this device. The hard disk drive is the only drive that should be monitored.



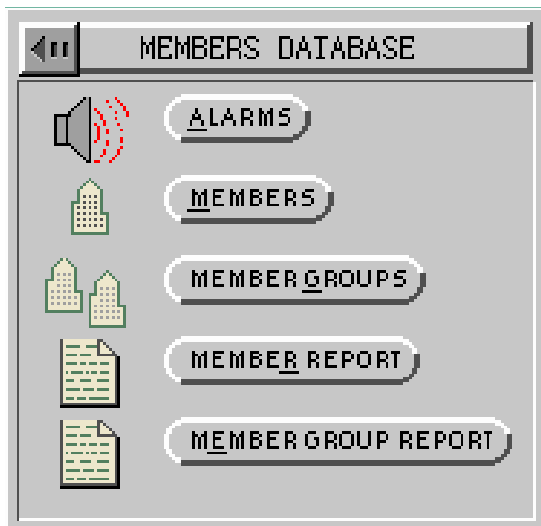
Workstation Access

This is used for Terminal sessions to limit the access to menus by a remote Terminal. Because text based terminals are unable to have graphics and CCTV, this restricts the terminal from gaining access to these options, even though the Operator Station Computer Access Level has the authority.



DATABASES MENU - MEMBERS DATABASE

A Member Group is a collection of Members. Members are used to direct system activity to the correct operators/workstations/printers and also act as “filters” on searches.

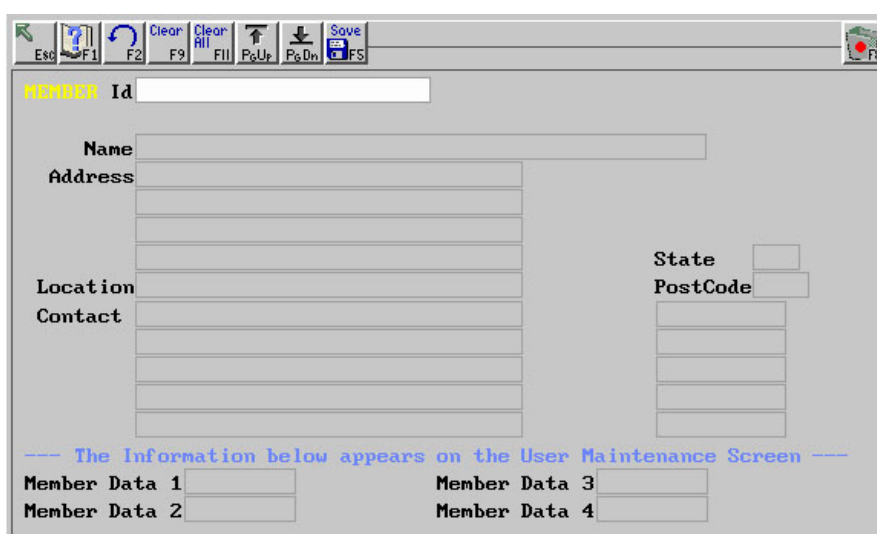


Members Database - Members

Member details, physical location and contacts are set here. Programmable User Maintenance field titles can be set from this screen also. This allows for information which is specific to a member to be included as fields which then appear in the Card (user) Maintenance screen.

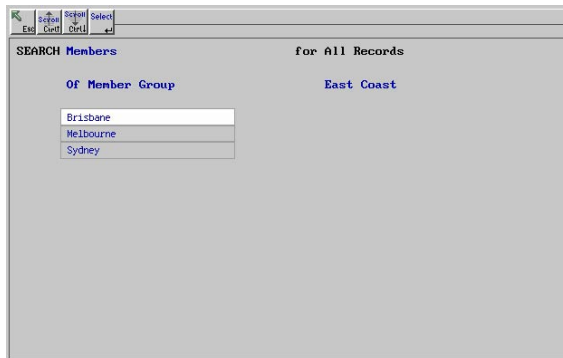
The only required field is the ID field.

Members Database Screen



Steps:

- 1) If the member ID is already known type it directly into the highlighted **Member Id** field and press enter. If not known, click the right mouse button or press **F4**. A search screen will open displaying available members.



WARNING: Removing a Member Record may cause system malfunction. You must be certain a member record is not used before deleting. If you are not sure, **don't** delete it!

Members Database - Member Groups

Member groups can be created, modified and deleted from this screen. Creating a member group involves naming the member group and selecting the members which will make up the group. Modifying an existing member group can be performed by firstly identifying the member group to be modified and then changing the members which go into making up the group. Deleting a member group does not delete the members, only the grouping. Member Group names must differ from Member Names.

WARNING: Removing a Member Group may cause system malfunction. You must be certain a member group is not used before deleting. If you are not sure, **don't** delete it!

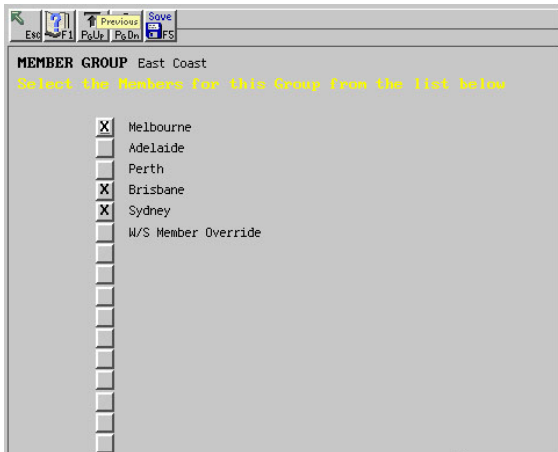
Member Groups Screen



- 1) A screen will open displaying available members. Members already included in the selected member group will have an X marked in the corresponding check box. To select a member click the right mouse button twice on the check box next to the desired selection to insert an X for yes, or highlight the check box and press the space bar once for yes. Save the selection by clicking the **save** icon or press **F5**. To return to the original screen click the **esc** icon.
- 2) To create a new member group, type in a name for the new member record in the highlighted

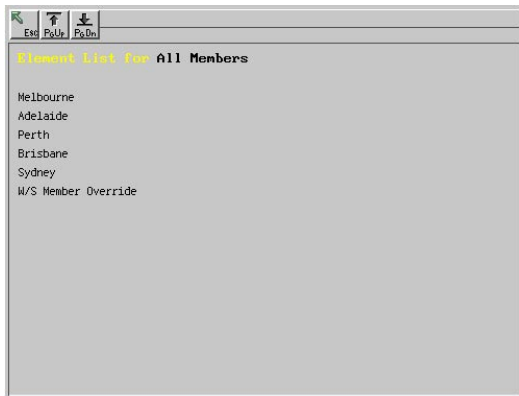
Member Group field and press **enter**. A message will appear notifying the member group record is new, then press **enter**. Save the record by clicking the **save** icon or press **F5**.

- 3) Select the members to make up the member group by clicking on the **make save** icon or press **F5**.



A screen will open displaying available members. To select a member click the right mouse button twice on the check box next to the desired selection to insert an X for yes, or highlight the check box and press the space bar once for yes. Save the selection by clicking the **save** icon or press **F5**. To return to the original screen click the **esc** icon or press **esc**.

- 4) Check the information is correct. Click the **list** icon or press **F12**.

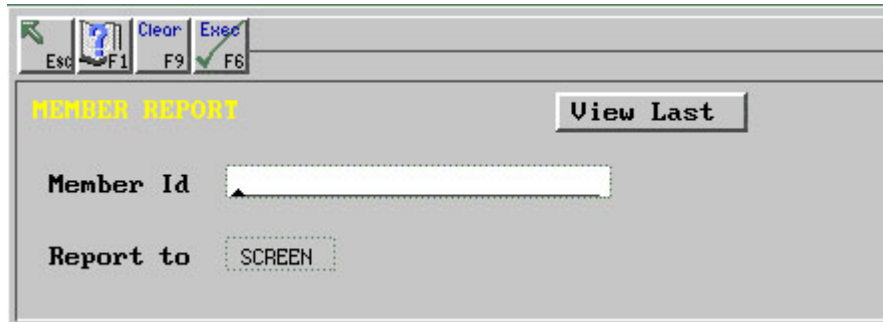


A screen will open displaying the members which make up the member group created, click the **esc** icon or press **esc** to return to the original screen. Save the selection by clicking the **save** icon or press **F5**.

Members Database - Member Report

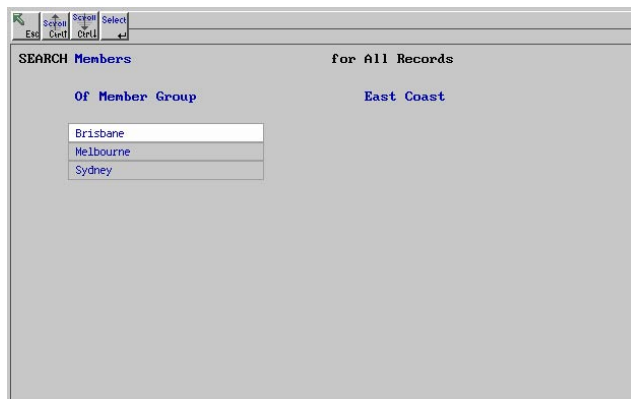
Member reports provide information about the member or members selected, including contact names and numbers, location and addresses.

Member Report Screen



Steps:

- 1) Select the Databases icon from the main menu.
- 2) Select the Members Database icon from the Databases menu.
- 3) Select the Member Report icon from the Members Database menu.
- 4) If the member ID is already known type it directly into the highlighted **Member** field and press enter. If not known, click the right mouse button or press **F4**. A search screen will open displaying available members.



- 5) Select the appropriate member and click the **select** icon, press **enter** or **F5**.
- 6) In the highlighted **Report to** field click the right mouse button or press **F4**.
Select the appropriate option from the drop down options menu and press **enter**.
- 6) To execute the report, press **F6** or click the **exec** icon. A message from ARES will indicate when the report has been completed.

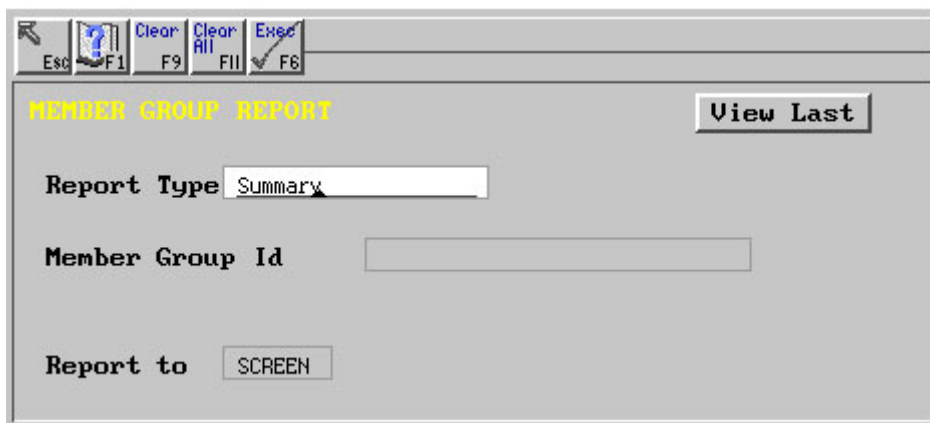
To view or print the report, see **PRINTING REPORTS**.

Members Database - Member Group Report

Member group reports provide information about the member group selected. Reports can be generated in the standard two types selected from the **Report Type** field.

Summary: lists the members of the group.
Detailed: shows details of each member of the group.

Member Group Report Screen

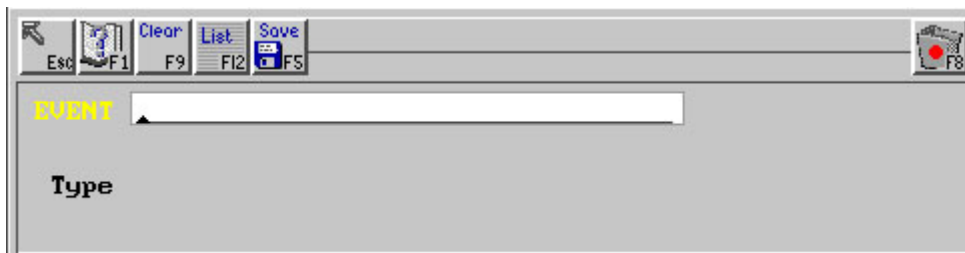


The screenshot shows a software window titled "MEMBER GROUP REPORT". At the top, there is a toolbar with icons for navigation and function keys: Esc, F1, F9, F11, and F6. Below the toolbar, the title "MEMBER GROUP REPORT" is displayed in yellow. To the right of the title is a button labeled "View Last". Below the title, there are three input fields: "Report Type" with a dropdown menu showing "Summary", "Member Group Id" with an empty text box, and "Report to" with a dropdown menu showing "SCREEN".

Event Types

There are a large range of events used by ARES. These events can be grouped together to form new event groupings for use in History reports.

Event Types Screen



The screenshot shows a software window titled "EVENT". At the top, there is a toolbar with icons for navigation and function keys: Esc, F1, F9, F12, and F5. Below the toolbar, the title "EVENT" is displayed in yellow. Below the title, there is a large empty text box. Below the text box, there is a label "Type".

Steps:

- 1) Once an event has been selected, it will be labeled as a group or a single event type next to the **Type** field. A listing of contents can only be performed on a group event type, click the **list** icon. A screen will open displaying the events which make up the event group selected, click the **esc** icon to return to the original screen
- 2) To modify an existing event group, once an event group has been selected, double click the highlighted **Event** field or press **F3**.

- A screen will open displaying available events. Events already included in the event group selected will have an X marked in the corresponding check box. To select an event click the right mouse button twice on the check box next to the desired selection to insert an X for yes, or highlight the check box and press the space bar for a yes response. Save the selection by clicking the **save** icon or press **F5**, to return to the original screen click the **esc** icon or press **esc**.
- 3) To create a new event group, type in a name for the new event group record in the highlighted **Event** field and press **enter**. A message will appear on screen notifying the event group record is new, press **enter**. Save the record by clicking the **save** icon or press **F5**.
- 4) Double Click the **Event** field or press **F3**.
A screen will open displaying available events. To select an event click the right mouse button twice on the check box next to the desired selection to insert an X for yes, or highlight the check box and press the space bar for a yes response. Save the selection by clicking the **save** icon or press **F5**, to return to the original screen click the **esc** icon or press **esc**.
- 5) Check the information is correct and click the **list** icon or press **F12**.
A screen will open displaying the events which make up the event group created, click the **esc** icon or press **esc** to return to the original screen. Save the selection by clicking the **save** icon or press **F5**.
- 6) To delete a record once an event group record has been selected, click the **delete** icon or press **F8**.

DATABASES MENU - TIME ZONES

Time zones are used to restrict the access users have to particular parts of a building during certain hours and days.



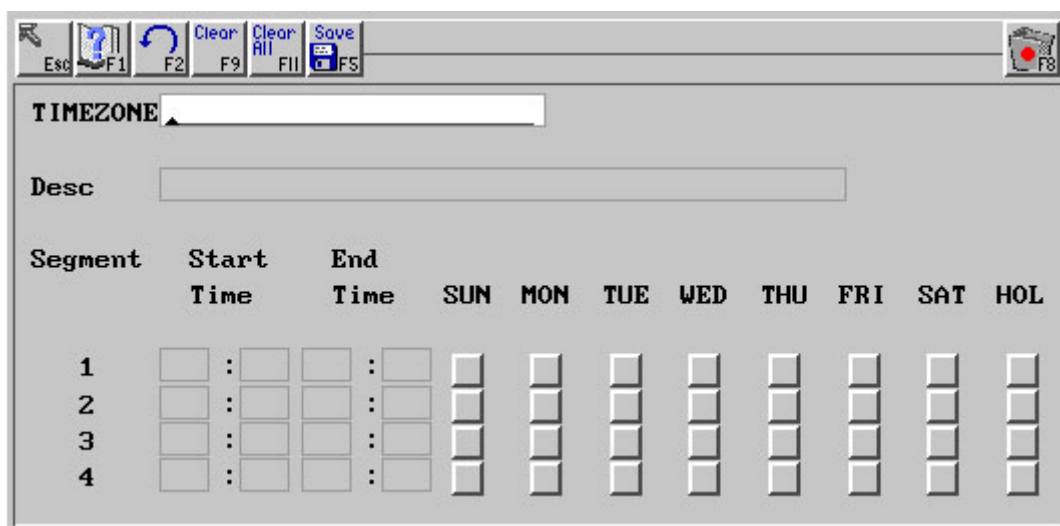
These Timezones also control access groups and equipment such as printers. It does not, however, control equipment timezones. Setting and creating Chronological timezones for equipment is accomplished under:

Databases / Equipment DB / Equipment Timezone /

Time Zones - Program Time Zones

Time zones specify a **to** and **from** time as well as days during which these times are applicable. Four variations can be programmed for a single time zone ID, 24 hour access can be selected by checking all the boxes and inserting zeros in the start time and 24:00 in the end time.

Program Time Zones Screen



Segment	Start Time	End Time	SUN	MON	TUE	WED	THU	FRI	SAT	HOL
1	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="text"/> : <input type="text"/>	<input type="text"/> : <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

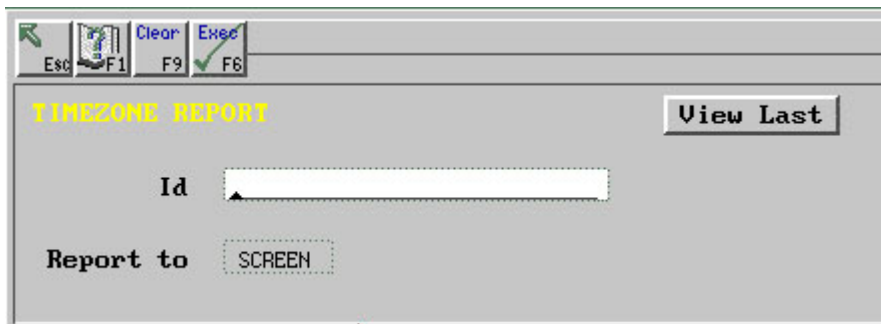
- 1) Create a new time zone record in the highlighted **Time Zone** field by typing an ID for the time zone and then press **enter**. A message will appear on screen to notify the time zone record is new. Then press **enter**.
- 2) In the **Desc** field type in a description of the time zone, press **enter**.
- 3) In the highlighted **Start time** field type in the start time, press enter between each field until and end time has also been set and press **enter**.

- 4) Click the right mouse button twice on the check box beneath the fields displaying the days of the week this timezone is to be activated.
- 5) Check the information is correct and click the **save** icon or press **F5**.

Time Zones - Time Zone Report

Generates a report showing the details of 1 or more timezone records.

Time Zone Report Screen



- 1) Select the appropriate time zone and click the **select** icon, press **enter** or **F5**.
- 2) In the highlighted **Report to** field click the right mouse button or press **F4**.
Select the appropriate option from the drop down options menu and press **enter**.
- 3) To execute the report, press **F6** or click the **exec** icon. A message from ARES will indicate when the report has been completed.

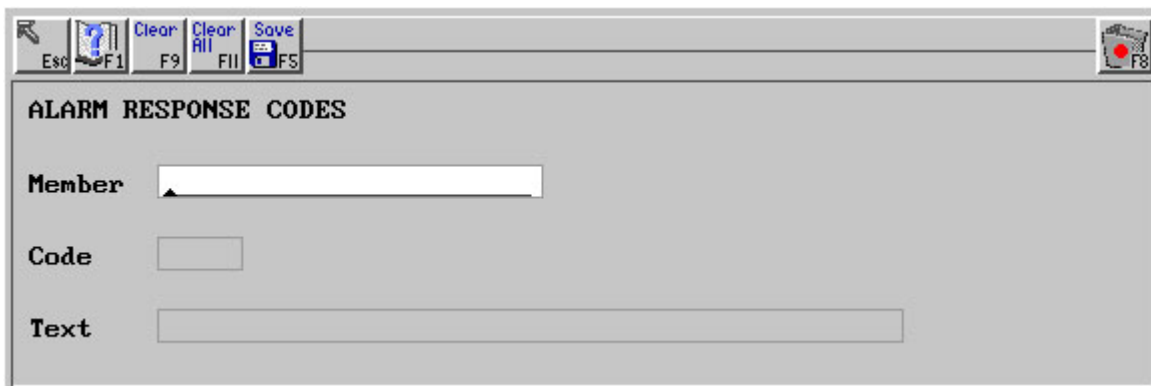
To print or view report, see **PRINTING REPORTS**, page 38.

Alarm Response Codes

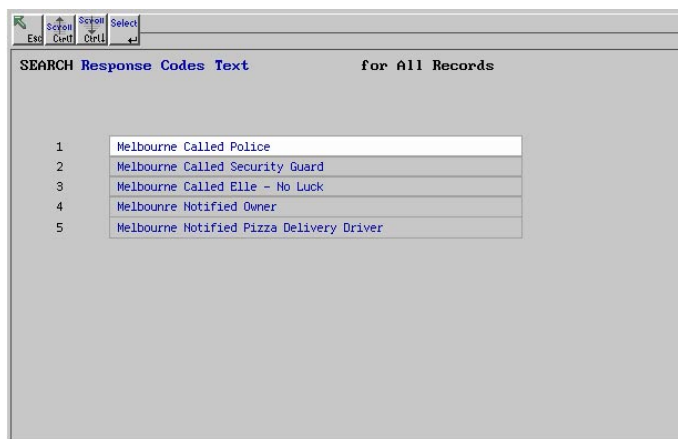
When an alarm is generated in the system a response is required in order to deal with and eventually clear it. In the alarm screen there is a range of available options, see **Alarms Menu**, including Alarm Response Codes. The response code is a short cut to typing a lengthy explanation and it allows operators to easily select the appropriate action to take.

Allocating response codes to members restricts the kinds of responses which can be used and by whom.

Alarm Response Codes Screen

**Steps :**

- 1) Enter or search member.
- 2) If the response code is already known type it directly into the highlighted **Code** field and press enter. If not known, click the right mouse button once or press **F4**. A search screen will open displaying available response codes.



Select the appropriate code and click the **select** icon, press **enter** or **F5**.

The **Text** field will be filled with information about the selected response code.

- 3) If a new code is required, type in a new response code number in the highlighted **Code** field and press **enter**. A message will appear on screen to notify the response code record is new, press **enter**.
- 4) In the highlighted **Text** field type in a description of the response required to be performed.
- 5) Check the information is correct and click the **save** icon or press **F5**.

Holidays

Identifying holidays helps the administrator to decide what time zones will be applicable to those days designated as a holiday.

NOTE: Creating a Holiday record **does not** cause the holiday to be downloaded to any Challengers. To do this the holiday record must be attached to the Challenger from Challenger programming.

Holidays Screen



Steps:

- 1) Enter or search for Holiday ID.
- 2) If a new holiday ID is required, type in a new ID number in the highlighted **Id** field and press **enter**. A message will appear on screen to notify the holiday record is new. Press **enter**.
- 3) In the highlighted **Date** field type in the date of the holiday and press **enter**.
- 4) Check the information is correct and click the **save** icon or press **F5**.

Computer Categories

The Computer Category is a mechanism for telling ARES how to handle events generated by field equipment.

There are a number of standard Computer Category records provided that can be used as templates for creating your own records. These standard records **CAN NOT** be modified or deleted.

NOTE : Isolation events will not generate alarms even though you may change its computer category to do so. That is, the system overrides and ignores the computer category to generate an alarm if an isolate command is performed. This applies to Input Isolate, DGP isolate, RAS Isolate, DOTL Isolate, Egress Isolate and Forced Isolate.

- Eg:
1. Does the event cause an alarm?
 2. Does it require a response from the operator in order to clear from the Alarm screen?
 3. Determine its priority.

Computer Categories Screen

[illegible]

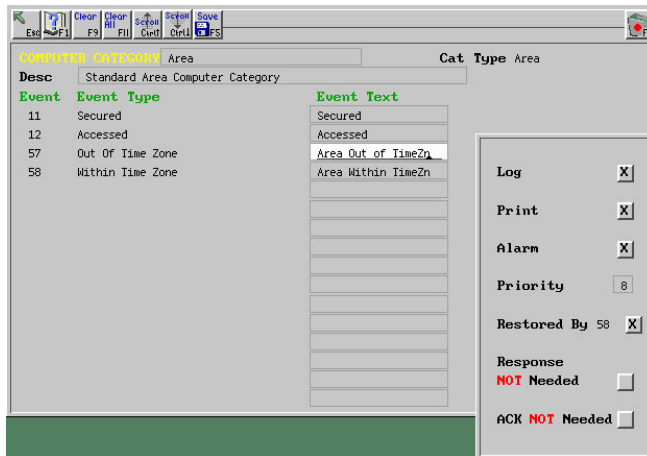
Steps:

- 1) Enter or search for Computer Category ID.
- 2) For a new record, having chosen the category, the remaining fields will be filled in with default information relating to the category type.

[illegible]

This information can then be modified to suit the new category.

- 3) In the highlighted **Event Text** fields type in the new text which is to appear with the corresponding event and press enter.
- 4) Each time an **Event Text** field is highlighted an additional screen will open. To edit this new information double click on the event text or press **F3**.



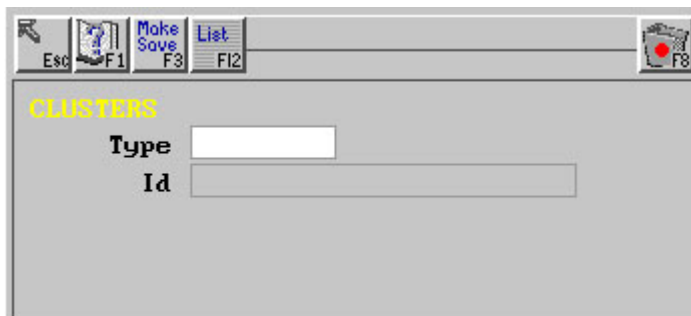
Some of the fields are check boxes. Other fields require text to be entered directly. Save changes by clicking the **save** icon or press **F5**. Click the **esc** icon to continue in the original screen.

- 5) Back in the original screen, check the information is correct and click the **save** icon or press **F5**.

Database Clusters

Clusters allow for the grouping of field equipment of the same type. In doing this an operator has the luxury of performing the same task on many devices with just one action.

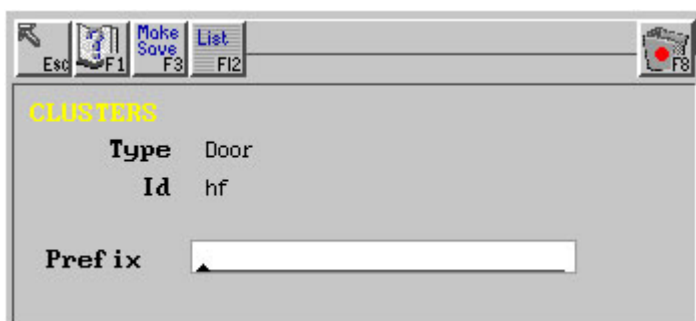
Database Clusters Screen



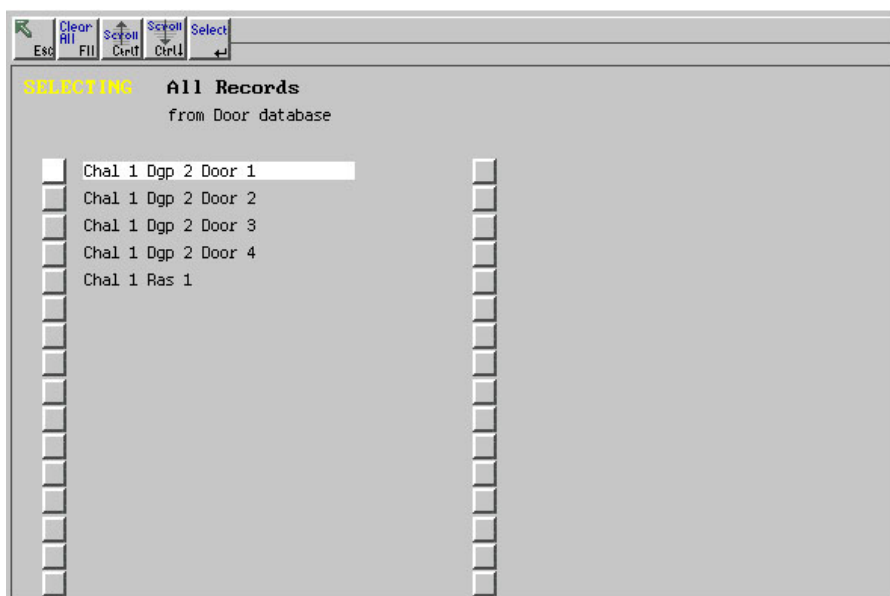
Steps:

- 1) In the highlighted **Type** field click the right mouse button or press **F4**. Select the appropriate option from the drop down options menu.
- 2) If the cluster ID is already known type it directly into the highlighted **Id** field. If it is not known, click the right mouse button or press **F4**. A search screen will open displaying available clusters of the type selected.
- 3) Click the list icon or press **F12** to list the contents of a cluster.
- 4) To create a new cluster ID, type in a new cluster ID in the highlighted **Id** field and press enter. A message will appear on screen to notify the cluster record is new. Press **enter**.

- 5) Once an ID has been established click twice the **Id** field or click the **Make** icon. A new field will appear.



Click the right mouse button on the **Prefix** (ie: like search prefixes) field or press **F4**. A screen will open displaying available contents for the cluster type selected.



Devices already included in the selected cluster will have an X marked in the corresponding check box. Place an X in the check boxes needed and save the selection by clicking the **save** icon or press **F5**. To return to the original screen click the **esc** icon or press **esc**.

- 6) Check the information is correct and click the **save** icon or press **F5**.