



**UNIVERSAL MESSAGING CONTROL  
COMPUTER SYSTEM  
REMOTE TERMINAL DIAL-UP  
SUBSCRIBER  
INTERFACE USER'S GUIDE**

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## **1. REMOTE TERMINAL DIAL-UP SUBSCRIBER INTERFACE**

The Remote Terminal Dial-up Subscriber (RTDS) interface provides users with remote terminals such as teletypes, dumb terminals and personal computers with communications software with the ability to enter pager messages for transmission to a pager, to display the transmitted messages for a pager and other functions. This interface is a simple, dialogue oriented, question and answer interface. The remote terminal is connected to the RTDS when communication is established. The user is responsible for getting his terminal (and modem) set up and connected to the dial-up line. The RTDS lines support 300, 1200, 2400 baud, 8 bits, 1 stop bit, no parity. The telephone number to use to dial the Universal Messaging Control Computer (UMCC) System will be supplied by the sales representative. After the user has dialed the UMCC and is connected, a single key (i.e., ENTER) must be entered before the initial prompt is displayed.

The remote terminal is allowed to stay connected for a time specified by UMCC. When the time is exceeded, the terminal bell is rung three times, and the user has a few extra seconds before the terminal is disconnected. There is a time-out on each prompt. The time-out value for each prompt is defined in the procedures sections for the prompts. When the prompt is timed out, the terminal bell is rung once, and the user has a few extra seconds before the terminal is disconnected. The user has three tries on every prompt to enter the correct information. The user will get the message "DISCONNECTING" if there is a terminal connect time-out, a time-out on a prompt, three invalid entries to a prompt, errors writing to the terminal, the operator enters '99' when prompted to enter the function, or a control C (CTRL/C) is entered.

There are special keys the remote terminal user will be using. These keys are defined in the Special Terminal Keys section. Leading zeroes do not have to be entered for numeric fields. The entries are automatically right-justified for numeric fields. If the maximum number of characters for a field is entered, all subsequent characters entered (excluding the delete character keys) are not displayed. The user should type the return key to terminate the entry. All alphabetic entries must be entered in caps.

The RTDS prompts for the pager ID when signing on. If the subscriber has enabled usage security code, the code must be entered before any functions can be used. To change to another pager ID, function 3 (next pager ID) is used. Some functions require the entry of the pager's security code. After the security code is entered, there are no other requests for the security code until the pager ID is changed and a function is requested that requires the security code. The security code inhibits other users from accessing the pager's secured functions.

After each function is completed the next prompt is "FUNCTION:". The default (press the return key) to this prompt is the pager message entry. If date is requested, the current date is always displayed. Type the return key and the displayed date is used for the requested date. The month format is either a three character abbreviation for the month followed by the day of the month (i.e., JAN 16) or the numerical month followed by the day of the month (i.e., 1/16). If time is requested, the current time in the time zone of the pager is displayed. Type the return

key and the displayed time is used for the requested time. The time format is a 12 hour format followed by "AM" or "PM" (i.e., 11:21 PM).

If a user enters a function not authorized for the PIN used in sign-on, RT1 will return "INVALID FUNCTION" and will not perform the function. The following sections describe the special terminal keys, user entry procedures, the error messages, and an example of an RTDS session.

## **2. SPECIAL TERMINAL KEYS**

Key	Function
Return Keys RETURN ENTER	Typing the return key terminates the current line and causes the next prompt to display.
Delete Keys DELETE BACKSPACE CTRL/H	<p>Typing the delete key deletes the last character typed on the current line. Only characters typed since the last prompt may be deleted. Several characters can be deleted in sequence by typing successive delete keys.</p> <p>The first delete key displays a back slash (\), followed by the character that has been deleted. Subsequent delete keys cause only the deleted character to be echoed. The next character typed that is not a delete key causes another back slash, followed by the new character. The following example illustrates deleting ABC and typing XYZ.</p> <p style="text-align: center;">ABC/CBA/XYZ</p> <p>If the field being entered is not a displayed entry (ex: pager security code), the delete key can be used. However, the deleted characters and back slash are not displayed.</p>
Redisplay Error Keys TAB CTRL/I	<p>Typing the redisplay entry key displays the current entry line omitting the deleted characters. The above example would be redisplayed as:</p> <p style="text-align: center;">XYZ</p>
Terminate Input Keys ESC (escape) CTRL/A	Typing CTRL/A or ESCAPE terminates the input and the user is requested to enter "FUNCTION" again. If CTRL/A or ESCAPE is entered during initial pager ID entry, or function entry, the terminal is disconnected.
Terminate Input and Hang Up Keys CTRL/C	Typing CTRL/C terminates the input and hangs up the telephone.

### 3. USER ENTRY PROCEDURES

This section contains the prompt, field description, time-out value (1. small time-out, 2. medium time-out, 3. large time-out), the associated error message number and a descriptor of the prompt request for each function of the RTDS. The time-out values are determined by the UMCC system manager. The small time-out is used for menu input selection. The medium time-out is for PIN and date entry. The large time-out is for message entry. If you are concerned or have problems, the sales representative will be able to tell you the current system settings for time-outs. The following pages signify the small, medium or large time-outs used in the time-out column.

#### 3.1 Sign On Procedures

When communication is established and <CR> is entered, the welcoming message is displayed. The RTDS prompts for a pager ID when signing on. The function prompt allows the user to select the desired RTDS function.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
[SIGN ON MESSAGE]				After setting up the modem and dialing the remote terminal interface, enter a <CR>.
PAGER ID:	10 Numeric	2	1,3, 29	Enter the pager ID and type the return key
USAGE SECURITY CODE:	4 Numeric Entry is not displayed.	1	31	Enter the usage security code for the pager. This prompt is not requested if the usage security code of the pager is disabled.
FUNCTION:	2 Character	1	1,2,15,21,30	Enter the function code and type the return key. The valid function codes are:  1. Pager Message Entry 2. Delayed Pager Message Entry 3. Next Pager ID 4. Change Pager Security Code 5. Page Recall 6. Review Hold Messages 7. Hold Pager Messages 8. Release Hold Messages 9. Follow Me Paging Functions 10. Coverage Information 11. Priority Call 12. Priority Call Cancel 13. Group Call 14. Enable/Disable Message Sequence Numbering 16. Usage Security Code 50. Group Pager Functions 99. Disconnect H. Display Help

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
				<p>The default for this prompt is function 1 (i.e., type the return key to enter a pager message).</p> <p>The Help Menu is displayed if an invalid function code is entered or 'H' is entered. The Help Menu lists the functions supported by the RTDS interface.</p>

### **3.2 Pager Message Entry – Function 1**

The Pager Message Entry Function is used to send a pager message to a defined pager.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
ENTER ALPHA MESSAGE: Or ENTER NUMBER MESSAGE:	Max. Message Length	3	14	Enter the alpha/numeric message (based on the pager type). This prompt is not displayed if the pager is a tone pager.
SEND?:	1 Character	2	8	Type the return key if the information entered is correct. The message is sent to the pager. Type N and the return key if the message was not entered correctly. The message is not sent to the pager.

### **3.3 Delayed Pager Message Entry – Function 2**

The Delayed Pager Message Entry Function is used to send a delayed pager message (a message that is to be sent in the future) to a defined pager.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
ENTER ALPHA MESSAGE: Or ENTER NUMERIC MESSAGE:	Max. Message Length	3	14	Enter the alpha/numeric message (based on the pager type). This prompt is not displayed if the pager is a tone pager.
TIME IS ENTERED IN ZZZ TIME	--	--	--	This message is written with the time zone of the pager (ZZZ).
DATE (MMM DD):	6 Date Format	2	6	Enter the date the message is to be sent. Type only the return key if the date displayed is the date the

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
				message is to be sent.
SEND ON MM DD HH:MM XM ZZZ?:	1 Character	2	8	The date and time the message to be sent is to be displayed. Type the return key if the information entered is correct. The message is sent to the pager at the entered date/time. Type N and the return key if the message was not entered correctly. The message is not sent to the pager.

### **3.4 Next Pager ID – Function 3**

The Next Pager ID Function is used to enter a new pager ID. When signing on, a pager ID is entered. All functions use this pager ID until the next pager ID function is used to enter another pager ID.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
PAGER ID:	10 Numeric	2	1,3,29	Enter the pager ID and type the return key.
USAGE SECURITY CODE:	4 Numeric Entry is not displayed.	1	31	Enter the usage security code for the pager. This prompt is not requested if the usage security code of the pager is disabled.

### **3.5 Change Pager Security Code – Function 4**

The Change Pager Security Code Function is used to enter a new security code for the pager ID. To enter the security code or change the existing security code, this function is used.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
SECURITY CODE:	4-7 Numeric Entry is not displayed.	1	4	Enter the pager security code and type the return key. If the security code for the pager has been previously requested and entered, it is not requested.
NEW SECURITY CODE:	4-7 Numeric Entry is not displayed.	2	4	Enter the new pager security code and type the return key.
REENTER NEW SECURITY CODE:	4-7 Numeric Entry is not displayed.	2	18	Enter again the new security code. This entry is a check that the new security code was entered properly.

### **3.6 Page Recall – Function**

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
SECURITY CODE:	7 Numeric Entry is not displayed.	1	4	Enter the pager security code and type the return key. If the security code for the pager has been previously requested and entered, it is not requested.
HOURS REQUIRED:	2 Numeric	2	5	The messages that have been transmitted within the last requested hours are displayed.
(XX) MMM DD HH:MM XM ZZZ MESSAGE	--	--	--	The messages that have been transmitted within the requested hours are displayed. If the pager ID has a tone message, then the message is displayed as "tone only." If the pager is authorized for message sequence numbering and it is enabled, the message sequence number is displayed. To retransmit the displayed message (PIN must be authorized), enter "1". The message "MSG RETRANSMITTED" is displayed. To skip forward, enter "3". To skip backward, enter "4". To delete the displayed message (PIN must be authorized), enter "5", the message "MSG DELETED" is displayed.
NO MORE MESSAGES	--	--	--	This message indicates that there are no more messages for the requested time.

### **3.7 Review Hold Messages – Function 6**

The Review Hold Messages Function is used to display hold messages for the pager ID.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
SECURITY CODE:	7 Numeric Entry is not displayed.	1	4	Enter the pager security code and type the return key. If the security code has been previously requested and entered, it is not requested.
HOLD MESSAGES MMM DD HH:MM XM ZZZ MESSAGE	--	--	--	If there are held messages for the pager, these messages are displayed.  If the pager ID has a tone message, then the message is displayed as "tone only".
NO MORE MESSAGES	--	--	--	This message is displayed if there are no more hold messages for the pager.

### **3.8 Hold Pager Messages – Function 7**

The Hold Pager Messages Function is used to place a pager on hold for a specified time or to change the time a pager is released from hold.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
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Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
SECURITY CODE:	7 Numeric Entry is not displayed.	1	4	Enter the pager security code and type the return key. If the security code for the pager has been previously requested and entered, it is not requested.
HOLD PAGER MESSAGES TIME IS ENTERED IN ZZZ TIME	--	--	--	This message is written with the time zone of the pager (ZZZ).
DATE (MMM DD):	6 Date Format	2	6	Enter the date the pager is to be released from hold. Type only the return key if the date displayed is the date the pager is to be released from hold.
TIME (HH:MM XM):	8 Time Format	2	7,16	Enter the time the pager is to be released from hold. Type only the return key if the time displayed is the time the pager is to be released from hold.
HOLD PAGER UNTIL MMM DD HH:MM XM ZZZ?:	1 Character	2	8	Type the return key if the hold date is correct. The pager is placed on hold for the entered time. Type N and the return key if the hold date is incorrect. The pager is not placed on hold for the entered time.

### **3.9 Release Hold Pager Messages – Function 8**

The Release Hold Pager Messages function is used to immediately release a pager from hold.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
SECURITY CODE:	7 Numeric Entry is not displayed.	1	4	Enter the pager security code and type the return key. If the security code for the pager has been previously requested and entered, it is not requested.
RELEASE PAGER MESSAGES?:	1 Character	2	8	Type the return key if the pager is to be released from hold. Type N and the return key if the pager is not to be released from hold.

### **3.10 Follow Me Pager Functions – Function 9**

The Follow Me Page Function is used to add a pager to follow me or remove a pager from follow me.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
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Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
SECURITY CODE:	7 Numeric Entry is not displayed.	1	4	Enter the pager security code and type the return key. If the security code for the pager has been previously requested and entered, it is not requested.
TO SEND ALL PAGES NATIONWIDE, PRESS 1. TO SEND ALL PAGES TO HOME ZONE, PRESS 2. TO SEND ALL PAGES INTERNATIONALLY, PRESS 3. TO SEND ALL PAGES ZONE-TO-ZONE, PRESS 4. TO SEND ALL PAGES POINT-TO-POINT, PRESS 5. TO REVIEW CURRENT STATUS, PRESS 9.	1	2	1,12	Enter the desired follow me function: 1. Send pages nationwide. 2. Send pages to home zone or cancel follow me. 3. Send pages internationally. 4. Send pages zone-to-zone. 5. Send pages point-to-point. 9. Review current status.

If 1 is entered:

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
ALL PAGES WILL BE SENT NATIONWIDE	--	--	--	

If 2 is entered:

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
ALL PAGES WILL BE SENT TO HOME ZONE	--	--	--	

If 3 is entered:

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
ENTER COUNTRY CODE	3	2	19	Enter the country code for international follow me.
ENTER THE NUMBER OF DAYS FOR FOLLOW ME	2	2	20	Enter the number of days for international follow me.
ALL PAGES WILL BE SENT TO AAAA FOR BB DAYS UNTIL MONTH DAY HOUR MINUTE	--	--	--	This message is written for verification. AAAA is the country code name, BB is the number of days entered and Month Day Hour Minute is the calculated expiration of follow me using the number of days entered.

If 4 or 5 is entered:

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
ENTER ACCESS POINT	3 Numeric	2	15,33,35	Enter the access point for follow me.
ALL PAGES WILL BE SENT TO POINT AAAA.	--	--	--	This message is written. AAAA is the follow me access point.

If 9 is entered and pager is currently on nationwide follow me:

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
ALL PAGES WILL BE SENT NATIONWIDE	--	--	--	

If 9 is entered and pager is currently on follow me:

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
ALL PAGES WILL BE SENT TO HOME ZONE	--	--	--	

If 9 is entered and pager is currently on international follow me:

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
ALL PAGES WILL BE SENT TO AAAA FOR BB DAYS UNTIL MONTH DAY HOUR MINUTE	--	--	--	AAAA is the country code, BB is the number of days for international follow me, and Month Day Hour Minute is the calculated expiration of international follow me.

If 9 is entered and the pager is currently on zone-to-zone or point-to-point follow me:

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
ALL PAGES WILL BE SENT TO POINT AAAA.	--	--	--	AAAA is the access point.
FOLLOW ME (Y/N):	1 Character	2		Enter the follow me page function code and type the return key. The valid follow me page function codes are: Y. Add pager to follow me. N. Remove pager from follow me.

### **3.11 Coverage Information – Function 10**

The Cover Information Function allows the subscriber to obtain information about the paging coverage area for a specific city or zone.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
COVERAGE INFORMATION ENTER THE TELEPHONE AREA CODE:	3 Numeric	2	99	Enter the area code for the coverage information desired.
[COVERAGE INFORMATION]	None	None	None	The coverage information for the area code entered is displayed.

### **3.12 Priority Call – Function 11**

The Priority Page Function allows for a page message to be entered and then transmitted to the subscriber a specified number of times at a specified interval. This function is a means of ensuring the subscriber receives the page message. A priority page can not be sent to a pager which is currently on hold. The first message of a priority page is sent as soon as possible.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
ENTER THE NUMBER OF TIMES THE MESSAGE WILL BE SENT:	2 Numeric	2	25	Enter the number of times the message will be sent.
ENTER THE INTERVAL IN MINUTES BETWEEN MESSAGES:	3 Numeric	2	26	Enter the time interval between message repeats in minutes.
ENTER ALPHA MESSAGE: Or ENTER NUMERIC MESSAGES:	Max. Message Length	3	14	Enter the alpha/numeric message (based on the pager type). This prompt is not displayed if the pager is a tone pager.
SEND MESSAGE xx TIMES AT YYY MINUTE INTERVALS?:	1 Character	2	8	The number of times and the interval in minutes between messages is displayed. Type the return key if the information entered is correct. The message is sent to the pager. Type N and the return key if the message or other information is not correct. The message is not sent to the pager.

### **3.13 Priority Call Cancel – Function 12**

The Priority Page Cancel Function is used to stop the repeat sending of messages currently scheduled to be sent to the subscriber pager.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
SECURITY CODE	7 Numeric Entry is not displayed.	1	4	Enter the pager security code and type the return key. If the security code for the pager has been previously requested and entered, it is not requested.
CANCEL PRIORITY PAGER MESSAGES?:	1 Character	2	8	Type the return key if the priority messages re to be canceled. Type N and the return key if the priority messages are not to be canceled; the message will still be sent to the pager.

### **3.14 Group Call – Function 13**

The Group Call Function allows the user to send a single message to multiple pagers. This allows for an ad hoc group definition. The pager IDs are entered before the message entry. The message type (alpha/numeric) and message length are not verified, for the specified page type (alpha/numeric/tone).

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
PAGER ID:	10 Numeric	2	3, 24, 29	<p>Enter the pager ID and type the return key. The prompt is redisplayed, enter the next pager ID. A return after the prompt without entering a pager ID will terminate the pager ID list entry.</p> <p>The maximum number of pagers that can be entered is defined on the System Communication Configuration Display. The pager IDs are checked for duplicate entries. The pager type for the first pager ID defines what type the group members may be. The following rules apply:</p> <ul style="list-style-type: none"> <li>• If the first pager is tone only, all pagers must be either tone only or have a minimum page length of zero for numeric or alphanumeric pagers.</li> <li>• If the first pager is numeric, all pagers must be numeric or alphanumeric.</li> <li>• If the first pager is alphanumeric, all pagers must be alphanumeric.</li> </ul>
USAGE SECURITY CODE:	4 Numeric Entry is not displayed.	1	31	Enter the usage security code for the pager. This prompt is not requested if the usage security code of the pager is disabled.
ENTER MESSAGE:	990 Character	3	--	<p>Enter the message and type the return key. The following rules apply:</p> <ul style="list-style-type: none"> <li>• If the first pager is tone only, a message cannot be entered.</li> <li>• If the first pager is numeric, the message must be numeric only.</li> <li>• The maximum message length that can be entered is the minimum of the maximum message lengths of all the selected pagers.</li> </ul>
SEND?:	1 Character	2	8	Type the return key if the information is entered correctly. The message is sent to the pager. Type N and the return key if the message was not entered correctly. The message is not sent to the pager.

### 3.15 Enable/Disable Message Sequence Number – Function 14

The Enable/Disable Message Sequence Number Function is used to enable and disable the transmission of a sequence number along with the transmitted message.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
SECURITY CODE:Q	7 Numeric Entry is not displayed.	1	4	Enter the pager security code and type the return key. If the security code for the pager has been previously requested and entered, it is not requested.
MESSAGE SEQUENCE NUMBERING IS (ENABLED/DISABLED).	--	--	--	The current state of the message sequence numbering option is spoken.
TO ENABLE MESSAGE SEQUENCE NUMBERING, ENTER ONE, OR TO DISABLE MESSAGE SEQUENCE NUMBERING, ENTER TWO:	1	2	2	One of the messages is spoken. Enter q to enable message sequence numbering.
MESSAGE SEQUENCE NUMBERING (ENABLED/DISABLED).	--	--	--	This message is a confirmation of the above entry.

### 3.16 Usage Security Code – Function 16

The usage security code function is used to enable or disable the usage security code and to modify the usage security code.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
SECURITY CODE	7 Numeric Entry ID not displayed.	1	4	Enter the pager security code and type the return key. If the security code for the pager has been previously entered, it is not requested.
ENTER USAGE SECURITY CODE FUNCTION:	1 Numeric	2	2	Enter the usage security function code. The valid function codes are:  1. Enable usage security code 2. Disable usage security code 3. Change usage security code
If 1 is entered:  1 ENABLE USAGE SECURITY CODE	--	--	--	The usage security code for the PIN is enabled.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
If 2 is entered:  2    DISABLE USAGE SECURITY CODE  3    CHANGE USAGE SECURITY CODE				The usage security code for the PIN is disabled.
ENTER THE NEW USAGE CODE:	4 Numeric Entry is not displayed.	2	4	Enter the new usage security code.
REENTER THE NEW USAGE CODE:	4 Numeric Entry is not displayed.	2	32	Enter again the new usage security code. This entry is a check that the new usage security code was entered correctly.

### 3.17 Group Call Functions – Function 50

The Group Call Function is used to list/delete group member pagers from the group master pager or to add or delete a group member pager from a group master pager. Group paging allows for sending a page to a single pager ID (group master) and then having that message repeated to the group members of the group master page. This function requires that a group master pager ID be entered for the pager ID.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
SECURITY CODE:	7 Numeric Entry is not displayed.	1	4	Enter the group master pager security code and type the return key. If the security code has been previously requested and entered it is not requested.
GROUP PAGE FUNCTION:	1 Character	1	9	Enter the group page function code and type the return key. The valid group page function codes are:  1.List/delete group member pagers from the group master pager. 2.Add a group member pager to the group master pager. 3.Delete a group member pager from the group master pager.  The valid group page function codes are displayed if an invalid function code is entered or "H" is entered.
LIST/DELETE	1 Character	2	None	If "1" is entered for the group page function, this



Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
PAGERS FROM GROUP XXXXXXXXXX:				prompt is displayed. Type "D" if the displayed group member pager is to be deleted from the group master pager. Any entry except "D" is ignored and treated as the return key. All group members of the group master pager are displayed.
or				
ADD PAGER TO GROUP PAGER ID:	10 Numeric	2	3, 11, 23	<p>If "2" is entered for the group page function, this prompt is displayed. Enter the pager ID of the group member pager to be added to the group master pager.</p> <p>The maximum number of pagers that can be a member of a group System Communication display. The master pager type defines what type the group members may be. The following rules apply:</p> <ul style="list-style-type: none"> <li>• If the master pager is tone only, all pagers must be either tone only or have a minimum page length of zero for numeric or alphanumeric pagers.</li> <li>• If the master pager is numeric, all pagers must be numeric or alphanumeric.</li> <li>• If the master pager is alphanumeric, all pagers must be alphanumeric.</li> </ul>
DELETE PAGER FROM GROUP PAGER ID:	10 Numeric	2	17	<p>If "3" is entered for the group page function, this prompt is displayed. Enter the pager ID of the group member pager to be deleted from the group master pager.</p>

### **3.18 Disconnect – Function 99**

The Disconnect Function is used to terminate the RTDS interface session.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
DISCONNECTING	--	--	None	The terminal is disconnected.

### **3.19 Display Help Menu – Function H**

The Display Help Menu is used to display the valid RTDS function codes.

Prompt	Field Size Description	Time-out	Error Message Numbers	Comments
<p>The following are valid function codes:</p> <ol style="list-style-type: none"> <li>1. Pager Message Entry</li> <li>2. Delayed Pager Message Entry</li> <li>3. Next Pager ID</li> <li>4. Change Pager Security Code</li> <li>5. Page Recall</li> <li>6. Review Hold Messages</li> <li>7. Hold Pager Messages</li> <li>8. Release Hold Messages</li> <li>9. Follow Me Paging Functions</li> <li>10. Coverage Information</li> <li>11. Priority Call</li> <li>12. Priority Call Cancel</li> <li>13. Group Call</li> <li>14. Enable/Disable Message Sequence Numbering</li> <li>15. Usage Security</li> </ol>	--	--	None	The valid function codes are displayed.

Prompt		Field Size Description	Time-out	Error Message Numbers	Comments
16.	Code Group Page Functions				
17.	Disconnect				

## 4. ERROR MESSAGES

This section contains the error messages and a description of the error message that can be generated as a result of an invalid entry to a prompt.

Error Message Number	Error Message	Description
1	UNAUTHORIZED PAGER	The pager is not authorized for the requested function.
2	INVALID FUNCTION	<p>The function code must be:</p> <ol style="list-style-type: none"> <li>1. Pager Message Entry</li> <li>2. Delayed Pager Message Entry</li> <li>3. Next Pager ID</li> <li>4. Change Pager Security Code</li> <li>5. Page Recall</li> <li>6. Review Hold Messages</li> <li>7. Hold Pager Messages</li> <li>8. Release Hold Pager Messages</li> <li>9. Follow Me Page Functions</li> <li>10. Coverage Information</li> <li>11. Priority Call</li> <li>12. Priority Call Cancel</li> <li>13. Group Call</li> <li>14. Enable/Disable Message Sequence Numbering</li> <li>15. Usage Security Code or for usage security code function: <ol style="list-style-type: none"> <li>16. Enable usage security code</li> <li>17. Disable usage security code</li> <li>18. Change usage security code</li> </ol> </li> <li>19. Group Page Functions</li> <li>20. Disconnect</li> <li>H. Display Help Menu</li> </ol>
3	INVALID PAGER	The pager entered is not defined on the UMCC system.
4	INVALID SECURITY CODE	The security code for the pager is incorrect for the pager.
5	INVALID HOURS	The hours entered must be between 0 and 99 for page recall.
6	INVALID DATE	The date entered was not a valid date. The date is entered as a three letter abbreviation for the month followed by the day of the month (JAN 16) or as the numerical month followed by the day of the month (1/16).
7	INVALID TIME	The time entered was not a valid time entry. The time is entered in a 12 hour format followed by "AM" or "PM" (11:21 PM).
8	INVALID RESPONSE	The response to the prompt is Y, N, or the return key.
9	INVALID GROUP FUNCTIONS	<p>The group function entered is invalid. The valid group functions are:</p> <ol style="list-style-type: none"> <li>1. List/delete group member pagers from the group master pager.</li> <li>2. Add a group member pager to the group master</li> </ol>

Error Message Number	Error Message	Description
		<p>pager.</p> <p>3. Delete a group member pager from the group master pager.</p>
10	INVALID GROUP MASTER PAGER ID	The group call functions are valid only for group master pagers.
11	PAGER ID IS GROUP MASTER PAGER	A group master pager ID cannot be added as a member of another group master pager.
12	INVALID FOLLOW ME FUNCTION	<p>The follow me page function entered is invalid. The valid follow me page function are:</p> <ol style="list-style-type: none"> <li>1. Nationwide</li> <li>2. Home Zone</li> <li>3. Internationally</li> <li>4. Zone-to-Zone</li> <li>5. Point-to-Point</li> <li>6. Review Current Status</li> </ol>
13	INVALID ZONE	The zone of the Follow Me access point is invalid.
14	INVALID NUMERIC MESSAGE	A message for a numeric pager was entered that was not numeric. The characters 0 through 9, blanks, and hyphen are the only characters allowed for a numeric pager.
15	NO PRIORITY PAGE ALLOWED	The pager is currently on hold and no priority messages may be entered.
16	TIME MUST BE BETWEEN CURRENT TIME AND CURRENT TIM + XX DAYS	The entered date/time was not between current date/time and current date/time plus XX days. (XX is system defined).
17	PAGER IS NOT GROUP MEMBER	The group member pager to be deleted from the group master pager is not a member of the group master pager.
18	SECURITY CODES DO NOT MATCH	The reentry of the security code does not match the new security code. The security code of the pager has not changed.
19	INVALID COUNTRY CODE	The country code entered is not defined as international, the country code is the home zone, or the country code is the system country code.
20	INVALID NUMBER OF DAYS	The number of days valid for follow me is 1 to 99.
21	PAGER NOT ON HOLD	The pager is not on hold and the function requested was release hold pager messages.
23	PAGER IS A GROUP MEMBER	The pager ID being added to the group is already a group member of the group pager.
24	DUPLICATE PIN	The pager ID that was entered on a group call has already been entered.
25	INVALID TIMES	The message repeat on a priority page has exceeded the system defined value.
26	INVALID INTERVAL	The message interval on a priority page has exceeded the system defined value.
27	INVALID AGRAS PAGER CANNOT BE GROUP MEMBER	The AGRAS message is invalid. It must be 10 digits and the first digit cannot be a 0 or 1.
28	AGRAS PAGER CANNOT BE GROUP MEMBER	An AGRAS pager is not allowed for group call.
29	SYSTEM FILE ERROR: TRY AGAIN LATER	An error occurred when reading or writing to the UMSS database. The error may be cleared if the function is

Error Message Number	Error Message	Description
		retried.
30	PRIORITY PAGE IS NOT ALLOWED AT THIS MOMENT	The pager cannot have another priority page sent until a system timer expires. Try again in 5 minutes.
31	INVALID USAGE SECURITY CODE	The entered usage security code for the pager is incorrect.
32	USAGE CODES DO NOT MATCH	The reentry of the usage security code does not match the new usage security code. The usage security code of the pager has not changed.
33	INVALID ACCESS POINT	The entered access point is not defined.
34	NO AUTHORIZATION	If a pager is on international follow me, nationwide, point-to-point and zone-to-zone Follow Me are not valid.
35	ZONE CANNOT BE HOME ZONE	Zone-to-zone and point-to-point Follow Me zone cannot be the pager home zone.
37	tone only pager. only numeric and alpha pager allowed	Pager must be a numeric or alpha pager.
38	tone only pager. only alpha pagers allowed	Pager must be a numeric or alpha pager.
39	numeric only pager. only alpha pagers allowed	Pager must be an alpha pager.
40	PAGER MUST BE TONE ONLY OR HAVE MIN MESSAGE LENGTH OF ZERO	Pager must be a tone only pager or a pager that has a minimum message length of zero.
99	THE AREA CODE XXX IS INVALID	The area code entered is not defined in the UMCC database.

## 5. EXAMPLE RTDS SESSION.

This section contains an example of a RTDS session.

Prompt/Message	Entry	Comment
SKYTEL REMOTE TERMINAL	<CR>	Enter <CR> to start the RTDS session.
PAGER ID:: INVALID PAGER	7137779687<CR>	Invalid Pager ID was entered.
PAGER ID:	7137776987<CR>	Pager ID reentered.
FUNCTION:	2<CR>	Delay Pager message.
ENTER NUMERIC MESSAGE:	7718898<CR>	Pager is a numeric pager.
TIME IS ENTERED IN CENTRAL TIME	--	This is the time zone of the pager.
DATE (JAN 25):	<CR>	The date to send the message is the current date.
TIME (9:33 AM):	3:00 PM <CR>	The time to send the message is 3:00 PM CT.
SEND ON JAN 25 3:00 PM CT?:	<CR>	Verify the send date/time and the numeric message.
FUNCTION:	5<CR>	Page recall.
SECURITY CODE:	____<CR>	Security code is requested for this function. It is not displayed.
HOURS REQUIRED:	8<CR>	The last 8 hours of transmitted messages is requested.
JAN 25 8:10 AM CT 7775638		The messages that were transmitted in the last 8 hours are displayed.
NO MORE MESSAGES		
FUNCTION: DISCONNECTING	99<CR>	Session complete, hang up.