

UTIMER - Com-plete Timer Services Utility

The Com-plete menu-driven utility UTIMER is a timer that allows you to schedule various functions at a predefined time. You can schedule the following items with UTIMER:

- Message switching (Send Message);
- Job handling (submit, release, cancel);
- Your own logoff from Com-plete;
- Installation functions.

This chapter covers the following topics:

- Command Format
- Using UTIMER
- UTIMER Functions
- Timer Exits

Command Format

To invoke UTIMER, enter the command:

***UTIMER**

This displays the UTIMER Main Menu:

```

17:24:25      TID    15          COM-5.1.          User ID MBE          09.12.97
              -- Com-plete Timer Services --          UTMR
              Function      ID    PFK          Operands
-----
              Send Message  S    1    Time etc., Message, Userid (,Urgent)
              Handle Job    H    2    Time etc., Job Name, Job Action
              Log Me Off    OF   3    Time etc.
Installation Functions  I    4    Time etc.
List Personal Services LP   5
List All Services     LA   6
Restore Last Menu     R    12

              Select Function:      or PFK
              and Operands

              Request Time:    0 : 0 on 9 / 12 / 94
Repeat If Impossible:
              Up to:          24 : 0 on 9 / 12 / 94
              Request Interval:          (D Day W Week M Month Y Year)
              Message Text:
              Userid:    MBE          Urgent:
              Job Name:          Job Action:    (S Submit R Release C Cancel)
    
```

Using UTIMER

UTIMER is menu-driven. This means that you can access its functions directly from the UTIMER Main Menu.

Entering Operands

Request Time

Note that the first four functions on the UTIMER Main Menu ("Send Message", "Handle Job", "Log Me Off", and "Installation Functions") require that the "Request Time" operand be entered.

Note that when you add a new timer request, you must enter a valid time and date that is later than the present time. If the action could not be performed on the first attempt, you can also request that the timer attempt to repeat the action "Up to" a certain time and day.

Request Interval

By using the optional operand "Request Interval", you can also repeat the request in increments of a day ("D"), a week ("W"), a month ("M"), or a year ("Y").

Serving Timer Requests

The timer monitor UTIMRM is loaded into an attached TIB at Com-plete startup time, storing all timer requests in a timer SD file. The Com-plete nucleus consults UTIMRM each minute in order to determine what is to be performed at the present time.

UTIMER Functions

The UTIMER functions are discussed in the remainder of this chapter.

Send Message

To send a message either to yourself or to another user ID, select function ID "S" or press PF1 on the UTIMER Main Menu. Also enter the required operands in the input fields next to "Request Time", "Message Text", and "Userid" (note that "Userid" defaults to your user ID). In addition, if it is an urgent message, mark "Urgent" with any character on the UTIMER Main Menu.

When you press ENTER, Com-plete displays the following message at the top of the UTIMER Main Menu:

```
YOUR REQUEST HAS BEEN ADDED
```

Handle Job (OS systems only)

To submit, release, or cancel a job, select function ID "H" or press PF2 on the UTIMER Main Menu. Also enter the required operands in the input fields next to "Request Time" and "Job Name", and enter "S", "R", or "C" as "Job Action".

When you press ENTER, Com-plete displays the following message at the top of the UTIMER Main Menu:

YOUR REQUEST HAS BEEN ADDED

The jobs to be submitted are stored in a data set referenced by a "SYSJOBS" DD statement in the Com-plete startup procedure.

Log Me Off

To request that UTIMER log you off the Com-plete system at a certain time, select function ID "OF" or press PF3 on the UTIMER Main Menu. Also enter the required operand "Request Time".

When you press ENTER, Com-plete will display the following message at the top of the UTIMER Main Menu:

YOUR REQUEST HAS BEEN ADDED

List Personal Services

To display all of the scheduled UTIMER requests for the user ID displayed at the bottom of the UTIMER Main Menu (the default is your user ID), select function ID "LP" or press PF5 on the UTIMER Main Menu.

When you press ENTER, the UTIMER Services Display (for the user ID displayed at the bottom of the UTIMER Main Menu) appears:

14:03:59	TID	13	COM-5.1.	User ID	ADMIN	09/26/97						
						UTML						
USERID	DATE	TIME	FREQUENCY	SEND MSG	TO	USER	L	R	C	S	JOBNAME	F
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
SAJXS	09/24/87	09.05								X	SAJXSREP	
SAJXS	09/24/87	15.00		REMINDE...	SAJXS						SAJXSCNF	
SAJXS	09/24/87	19.00								X	SAJXSCNF	
=====												
L = LOGOFF USERID ; R = RELEASE JOB ; C = CANCEL JOB ; S = SUBMIT JOB												
F = FLAGS :: L = LONG MSG ; D = DELETE ; F = FREEZE ; A = ACTIVATE												

List All Services

Note:

The "List All Services" function is available for control users only.

To display all scheduled requests for *all* users, select function ID "LA" or press PF6 on the UTIMER Main Menu.

When you press ENTER, a UTIMER Services Display screen like the one shown above appears, except it will show all users' requests.

Restore Last Menu

The "Restore Last Menu" function is useful when you want to add several similar requests.

To cause the last-entered input data (i.e., function ID and operands) to reappear on the UTIMER Main Menu, select function ID "R" or press PF12 on the UTIMER Main Menu.

Timer Exits

The following table describes the three UTIMER timer exits.

Exit	Description
UTMEX1	Is called by UTIMER in order to decide whether a request is to be logged in the timer SD file or not.
UTMEX2	Is consulted each minute by UTIMRM in order to decide whether a request is to be served at the present time or not. This exit can be used to add new "artificial" requests.
UTMEX3	Is an RJE submission exit called by UTIMRM; is similar to UXEEX3.

For detailed exit interface descriptions, see the Com-plete System Programming documentation.

Note:

In order for an installation to be able to use UTIMER, the Com-plete systems programmer must add the following statement to the Com-plete sysparms:

```
STARTUPPGM
sysparm
STARTUPPGM=UTIMRM
```

With the SUBMIT function, you are advised to catalog UTIMRM in ULIB with AF, as UTMOO3 errors may occur otherwise.