

OS/390



# Resource Measurement Facility NewsFLASH



OS/390



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**Note**

Before using this information and the product it supports, be sure to read the general information under "Notices" on page A-1.

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This is a major revision of SC28-1986-10.

This edition applies to Version 2 Release 10 of OS/390 (5647-A01) and to all subsequent releases and modifications until otherwise indicated in new editions or technical newsletters.

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## About This Book

The Resource Measurement Facility (RMF) is the strategic IBM product for performance management in an OS/390 host environment.

This NewsFLASH provides information in addition to the current RMF library.

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## What's New in this Edition

- Chapter 1. Monitor III Sysplex Support in Different Time Zones describes how Monitor III will create sysplex reports when the processors in the sysplex are running in different time zones. This function is available as APAR OW41848 for OS/390 2.4 RMF and all subsequent releases.
- Chapter 2. Routing Postprocessor Output to HFS Files describes how you can write the output of the Postprocessor into HFS files.

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## What has been Removed from this Edition

The following items of the previous edition of the NewsFLASH have been integrated into the OS/390 2.10 RMF publications. Therefore, they have been removed from this edition.

- RACF access for Monitor III Gatherer to collect UNIX data.
- Support of OSA Express Gigabit Ethernet channels.
- Information about PAV (parallel access volume) devices.
- Support of the function 'Capacity Upgrade on Demand'.
- Improvements for LPAR reporting.
- Support of the Enterprise Storage Server (ESS).
- Postprocessor reporting when processors in the sysplex are running in different time zones.
- Support of FICON channels (FC) and FICON bridges (FCV).
- Description of Monitor III tables ERBRCDG3 and ERBSVPG3.





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## Chapter 1. Monitor III Sysplex Support in Different Time Zones

This chapter describes a problem with Monitor III reports for a sysplex with systems running in different time zones. The problem has been fixed with APAR OW41848 which is available for OS/390 2.4 RMF and all subsequent releases.

### Problem

The Monitor III sysplex reports were not created with the Sysplex Timer in mind - even though they are sysplex reports. The time from the local system is used 'as-is' as the time requested from all systems, whether the other systems in the sysplex are in the same time zone or not.

This non-use of GMT as the common time base causes data from different hours to be displayed. If one of the remote systems does not have data from that hour, message ERB591I is displayed.

The DI command at that point would show the data from the remote system's VSAM data set and in-core buffer based on that system's local time - which would not fall into the current system's local time.

### Solution

Monitor III will always work with the local time of the system the reporter session has been started on. When requesting data from a system with a different local time, Monitor III will automatically adapt the begin and end time of the data request. Users do not have to care about different time zones, the Monitor III reporter does it internally.

Example:

SYSA (local time is GMT+2)

SYSB (local time is GMT-1)

Monitor III reporter session started on SYSA

- 
- Sysplex report requested for data at 10.05 am (GMT 08.05 am)

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- SYSA returns data from 10.05 am local SYSA time
- SYSB returns data from 07.05 am local SYSB time

Thus, both systems contribute data of the same point of time based on GMT.

- Single system report requested for remote system SYSB 10.05 am

–

- SYSB returns data from 07.05 am local SYSB time

This matches 10.05 am local SYSA time. The reporter displays it with Time=10.05.00.

### Notes:

1. The Mon III Data Index screen displays in the columns Begin/End Date/Time still the local time from the system.

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2. This fix is only applicable when running a Monitor III reporter session to display data gathered by an active Monitor III gatherer session, not when displaying data from VSAM data sets by preallocating DDNAMEs RMFDSnn before starting a reporter session.

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## Chapter 2. Routing Postprocessor Output to HFS Files

This chapter describes how you can route output from the Postprocessor into HFS files for further processing.

The handling is different for single-system reports (DDNAME PPRPTS), which can be written directly into an HFS file, and sysplex reports (DDNAME PPXSRPTS). They should be written to a temporary data set, then they can be copied into an HFS file.

The following JCL provides an example how to handle this topic.

### Example

```
//RMFPP EXEC PGM=ERBRMFPP
//MFPINPUT DD DISP=SHR,DSN=SMF.DATASET
//MFPMSGDS DD SYSOUT=*
//PPRPTS DD PATH='/u/frd1/system.log5',PATHOPTS=(ORDWR,OCREAT),
// FILEDATA=TEXT,RECFM=VBA,
// PATHMODE=(SIRWXU,SIRWXG,SIROTH)
//PPXSRPTS DD DSN=&&PPXSRPTS,UNIT=SYSDA,SPACE=(TRK,(100,100),RLSE),
// DISP=(NEW,PASS,DELETE),
// RECFM=VB,LRECL=137
//SYSOUT DD SYSOUT=*
//SYSIN DD *
REPORTS(DEVICE(DASD))
SYSRPTS(ALL)
SYSOUT(H)
//GENER1 EXEC PGM=IEBGENER
//SYSRINT DD SYSOUT=*
//SYSUT1 DD DSN=*.RMFPP.PPXSRPTS,DISP=(OLD,DELETE)
//SYSUT2 DD PATH='/u/frd1/sysplex.log5',PATHOPTS=(ORDWR,OCREAT),
// FILEDATA=TEXT,RECFM=VB,LRECL=137,BLKSIZE=32760,
// PATHMODE=(SIRWXU,SIRWXG,SIROTH)
//SYSIN DD DUMMY
```



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