

# ACCOUNTING

<b>File</b>	34
<b>Op-Sys</b>	OS/390
<b>Statement</b>	FIND
<b>Task</b>	Read from SMF records.

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## Common Fields for all Operating Systems

Dictionary Field Name	F/L	Mu	DE	Remarks
ERROR-CODE	N3			
ERROR-TEXT	A58			
NODE	N5		D	
NODE-NAME	A16		D	
ACTIVE	A3		D	Relevant with FILE-ID=LIST.
DATE	N5		D	
DATX	D		D	
DIRECTION	A1		D	
DSNAME	A44		D	Required unless FILE-ID = 'LIST'.
FILE-ID	A8		D	Required.
JOB-NAME	A8		D	
RBA	N9		D	
RECORD-LENGTH	N5		D	
RECORD-TYPE	N3		D	Required.
RECORD	A253		D	
SEGMENT-LENGTH	B2		D	
SEGMENT-NUMBER	N5		D	
START-RBA	N9		D	
SUB-TYPE	N3		D	
SYSTEM-ID	A4		D	
TIME	N6		D	
TIMX	T		D	
TOTAL-BLOCKS	N7		D	Relevant with FILE-ID=LIST.
USED-BLOCKS	N7		D	Relevant with FILE-ID=LIST.
VOLSER	A6		D	Relevant with FILE-ID=LIST.

## Relevant Error Codes

Code	Text	OS/390
640	Error generating VSAM control blocks.	X
641	Error :1: while opening SMF or VSAM file.	X
642	Error :1: while reading SMF or VSAM file.	X
643	SMF not active / not recording.	X
644	Invalid file ID.	X
645	Invalid RBA was specified.	X
990	Field record not found in format buffer.	X

## Field Descriptions

Field Name	Type/Length	Operating System
ACTIVE	(A3)	

Relevant for FILE-ID=LIST. Possible options:

Option	Explanation
NO	This is not the active SMF file.
YES	This is the active SMF file.

The individual types, lengths and operating systems for the fields are as follows:

Field Name	Type/Length	Operating System
DATE	(N5)	

The date of the record in the format YYDDDD, taken from the SMF record prefix.

Field Name	Type/Length	Operating System
DATX	(D)	

The date in internal format, taken from the SMF record prefix.

Field Name	Type/Length	Operating System
DIRECTION	(A1)	

Retrieval direction. Possible values:

Value	Explanation
F	Read forward (default).
B	Read backwards.

The individual types, lengths and operating systems for the fields are as follows:

Field Name	Type/Length	Operating System
DSNAME	(A44)	

- For FILE-ID = 'LIST', the names of the SMF data sets are returned in this field.
- For FILE-ID = 'MANX' or 'SEQ', specify the name of the SMF or sequential data set from which the SMF records are to be read.

Field Name	Type/Length	Operating System
FILE-ID	(A8)	

Possible values:

Value	Explanation
LIST	Return a list of SMF data sets and other relevant data.
MANX	Read records from the SMF data set specified in DSNAME.
SEQ	Read dumped SMF records from the sequential data set specified in DSNAME.

The individual types, lengths and operating systems for the fields are as follows:

Field Name	Type/Length	Operating System
JOB-NAME	(A8)	

This field follows the SMF record prefix. For most record types, it contains the job name.

Field Name	Type/Length	Operating System
RBA	(N9)	

Relative byte address of the record.

Field Name	Type/Length	Operating System
RECORD	(A253)	

The SMF record / segment.

Field Name	Type/Length	Operating System
RECORD-LENGTH	(N5)	

Length of the entire record (not the segment length).

Field Name	Type/Length	Operating System
RECORD-TYPE	(N3)	

The type of the record, taken from the SMF record prefix.

Field Name	Type/Length	Operating System
SEGMENT-NUMBER	(N5)	

Segment number within the record.

Field Name	Type/Length	Operating System
SEGMENT-LENGTH	(B2)	

Length of the segment.

Field Name	Type/Length	Operating System
START-RBA	(N9)	

The relative byte address of the first record to be read. If omitted, the file is read from the start or end, depending on the setting of DIRECTION.

Field Name	Type/Length	Operating System
SUB-TYPE	(N3)	

SMF subtype.

Field Name	Type/Length	Operating System
SYSTEM-ID	(A4)	

System ID, taken from the SMF record prefix.

Field Name	Type/Length	Operating System
TIME	(N6)	

The time of the record in the format HH:MM:SS, taken from the SMF record prefix.

Field Name	Type/Length	Operating System
TIMX	(T)	

The time of the record in the format YYDDDD, taken from the SMF record prefix.

Field Name	Type/Length	Operating System
TOTAL-BLOCKS	(N7)	

Relevant when FILE-ID=LIST. Number of blocks allocated to the SMF file.

Field Name	Type/Length	Operating System
USED-BLOCKS	(N7)	

Relevant when FILE-ID=LIST. Number of blocks used in the SMF file.

<b>Field Name</b>	<b>Type/Length</b>	<b>Operating System</b>
VOLSER	(A6)	

Relevant when FILE-ID=LIST. Volume serial number of the SMF file.