

CONSOLE

File	35
Op-Sys	OS/390, VSE/ESA, BS2000/OSD
Statement	FIND / PROCESS
Task	Read operator console or issue console commands.

Note for BS2000/OSD:

CONSOLE cannot be used in single-user mode.

Common Fields for all Operating Systems

Dictionary Field Name	F/L	Mu	DE	Remarks
ERROR-CODE	N3			
ERROR-TEXT	A58			
NODE	N3		D	
NODE-NAME	A16		D	
SYSTEM-MESSAGE-CODE	A10			
FUNCTION	A8		D	Required.
JOB-ID	A5		D	Relevant w. FUNCTION=DISPLAY, DIS-WTOR.
JOB-NAME	A8		D	Relevant with FUNCTION=WTOR. In BS2000/OSD, also for DISPLAY, DIS-WTOR (not for VSE/ESA).
JOB-TYPE	A6		D	Relevant w. FUNCTION=DISPLAY, DIS-WTOR.
NETTO-TEXT	A180		D	Relevant w. FUNCTION=DISPLAY, DIS-WTOR.
READ-DIRECTION	A1		D	Relevant w. FUNCTION=DISPLAY.
RECORD-NUMBER	N9		D	Relevant w. FUNCTION=DISPLAY.
REPLY-FLAG	A1			Relevant w. FUNCTION=DISPLAY, DIS-WTOR.
REPLY-ID	A8		D	Relevant with FUNCTION=DIS-WTOR.
TEXT	A180		D	
TEXT-LENGTH	N3		D	
TIMX	T		D	
WAIT-TIME	B4		D	Relevant w. FUNCTION=DISPLAY.

Additional Fields Supported for OS/390

Dictionary Field Name	F/L	Mu	DE	Remarks
CONSOLE-ID	B1		D	Relevant w. FUNCTION=DISPLAY.
REPLY	A80			Relevant with FUNCTION=WTOR.
RESPONSE-FLAG	A1			
SEQUENCE-NUMBER	A8			
TEXT-FLAG	A1			
TIME-STAMP	A8		D	Relevant with FUNCTION=DIS-WTOR.

Additional Fields Supported for VSE/ESA

Dictionary Field Name	F/L	Mu	DE	Remarks
RESPONSE-FLAG	A1			
SEQUENCE-NUMBER	A8			
TEXT-FLAG	A1			

Additional Fields Supported for BS2000/OSD

Dictionary Field Name	F/L	Mu	DE	Remarks
SYSTEM-CODE	B2			
REPLY	A80			Relevant with FUNCTION=WTOR.
TIME-STAMP	A8		D	Relevant with FUNCTION=DIS-WTOR.

Relevant Error Codes

Code	Text	OS/390	VSE/ESA	BS2000/OSD
530	Access denied by Security Facility.	X		X
537	Time limit reached.			X
600	Unknown function.	X	X	X
630	Console not defined or inactive.	X		X
688	Return code xx HCF function xxxxxxxx.		X	
699	GETVIS failed.	X	X	
750	Invalid operand within operand list.			X
778	Not APF authorized.	X		
799	Entire System Server internal error.			X
809	Subsystem not active.			X
986	No or not enough space for COMMAND IN MP.			X

Field Descriptions

Field Name	Type/Length	Operating System
CONSOLE-ID	(B1)	OS/390

Only relevant for the DISPLAY function. The identifier of the console to be displayed. If the identifier is omitted, the master console is displayed. The field is ignored in BS2000/OSD.

Field Name	Type/Length	Operating System
FUNCTION	(A8)	OS/390, VSE/ESA, BS2000/OSD

The function to be performed. Possible values are:

Value	Explanation
DISPLAY	Display console screen image.
DIS-WTOR	Display pending operator replies.
OP-CMD	Issue operator command.
WTO	Write to operator.
WTOR	Write to operator with reply (not for VSE/ESA).

In BS2000/OSD, the functions DISPLAY, DIS-WTOR and OP-CMD require that the UCON interface task of the Entire System Server is active.

Field Name	Type/Length	Operating System
JOB-ID	(A5)	OS/390, VSE/ESA, BS2000/OSD

Only relevant for function DISPLAY and DIS-WTOR. Job number (TSN) of job for which the message was created.

Field Name	Type/Length	Operating System
JOB-NAME	(A8)	OS/390, VSE/ESA, BS2000/OSD

OS/390/VSE/ESA	BS2000/OSD
Only relevant for function DIS-WTOR. The job that issued the WTO.	Only relevant for the function DIS-WTOR or DISPLAY. The job for which the console message was created if the job is still active.

Field Name	Type/Length	Operating System
JOB-TYPE	(A6)	OS/390, VSE/ESA, BS2000/OSD

Only relevant for function DISPLAY and DIS-WTOR. Type of job for which message was created, if this job is still active.

Field Name	Type/Length	Operating System
NETTO-TEXT	(A180)	OS/390, VSE/ESA, BS2000/OSD

Only relevant for function DISPLAY and DIS-WTOR. Message text without the additional information added by the operating system at the creation of the console message.

Field Name	Type/Length	Operating System
READ-DIRECTION	(A1)	OS/390, VSE/ESA, BS2000/OSD

Only relevant for function DISPLAY. Direction for reading console messages. Possible values:

Value	Explanation
B	Default. Backwards (that is, towards oldest message).
F	Forwards (that is, towards message last received).

The starting position of READ-DIRECTION can be specified in the RECORD-NUMBER field.

Field Name	Type/Length	Operating System
RECORD-NUMBER	(N9)	OS/390, VSE/ESA, BS2000/OSD

Only relevant for function DISPLAY. The number of the console message is returned in this field. If used as input (descriptor), a start position can be given. Possible values:

Value	Explanation
0:	Start with latest record.
n:	Start with record n.
-n:	Start with latest record minus n records.

If the last record + 1 is selected and the value of the field WAIT-TIME is greater than 0, the system waits for the next message.

If the specified start position lies before the oldest available record, the oldest record is taken as the start position.

Field Name	Type/Length	Operating System
REPLY	(A80)	OS/390, BS2000/OSD

Only relevant for function WTOR: the operator reply.

Field Name	Type/Length	Operating System
REPLY-FLAG	(A1)	OS/390, VSE/ESA, BS2000/OSD

Only relevant for function DISPLAY and DIS-WTOR. Possible values:

Value	Explanation
N	Message requires no reply.
Y	Message requires a reply.

Field Name	Type/Length	Operating System
REPLY-ID	(A8)	OS/390, VSE/ESA, BS2000/OSD

Only relevant for function DIS-WTOR. The identifier which must be used to reply to a **write-to-operator-with-reply**.

Field Name	Type/Length	Operating System
RESPONSE-FLAG	(A1)	OS/390, VSE/ESA

Indicates whether message text is the response to a command. Possible values:

Value	Explanation
N	No
Y	Yes

Field Name	Type/Length	Operating System
SEQUENCE-NUMBER	(A8)	OS/390, VSE/ESA

Sequence number of the message since the last IPL.

Field Name	Type/Length	Operating System
TEXT	(A180)	OS/390, VSE/ESA, BS2000/OSD

The text line.

Field Name	Type/Length	Operating System
TEXT-FLAG	(A1)	OS/390, VSE/ESA

Describes the type of message text. Possible values:

Value	Explanation
C	Control text (multi-line)
D	Data text (" ")
E	End text (" ")
L	Label text (" ")
M	First line (" ")
N	Normal text (single line)

Field Name	Type/Length	Operating System
TEXT-LENGTH	(N3)	OS/390, VSE/ESA, BS2000/OSD

Length of the text line.

Field Name	Type/Length	Operating System
TIME-STAMP	(A8)	OS/390, BS2000/OSD

Only relevant for function DIS-WTOR (OS/390). Time stamp of the console message in format HH:MM:SS.

Field Name	Type/Length	Operating System
TIMX	(T)	OS/390, VSE/ESA, BS2000/OSD

Time stamp in Natural internal format.

Field Name	Type/Length	Operating System
WAIT-TIME	(B4)	OS/390, VSE/ESA, BS2000/OSD

Only relevant for function DISPLAY. Time in seconds to wait for the next message (see also the field RECORD-NUMBER). If no message arrives within the specified time, ERROR-CODE 537 is issued.