Appendix F. Layout of audit journal entries

This section contains layout information for all entry types with journal code T in the audit (QAUDJRN) journal. These entries are controlled by the action and object auditing you define.

The journal entry layouts described in this appendix are similar to how one can define a physical file using DDS. For instance, a Binary (4) is defined to hold from 1 to 4 digits information with the storage requirement of two bytes, while a Binary (5) holds from 1 to 5 digits information with the storage requirement of 4 bytes. Languages such as RPG use and enforce these definitions. The system writes additional entries to the audit journal for such events as a system IPL or saving the journal receiver. The layouts for these entry types can be found in the Journal management topic.

"Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 contains the layout for fields that are common to all entry types when OUTFILFMT(*TYPE2) is specified on the DSPJRN command. This layout, which is called QJORDJE2, is defined in the QADSPJR2 file in the QSYS library.

"Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594 contains the layout for fields that are common to all entry types when OUTFILFMT(*TYPE4) is specified on the DSPJRN command. This layout, which is called QJORDJE4, is defined in the QADSPJR4 file in the QSYS library. The *TYPE4 output includes all of the *TYPE2 information, plus information about journal identifiers, triggers, and referential constraints.

Note: TYPE2 and *TYPE4 output formats are no longer updated; therefore, it is recommended that you stop using *TYPE2 and *TYPE4 formats and use only *TYPE5 formats.

"Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592 contains the layout for fields that are common to all entry types when OUTFILFMT(*TYPE5) is specified on the DSPJRN command. This layout, which is called QJORDJE5, is defined in the QADSPJR5 file in the QSYS library. The *TYPE5 output includes all of the *TYPE4 information, plus information about the program library, program ASP device name, program ASP device number, receiver, receiver library, receiver ASP device name, receiver ASP device number, arm number, thread ID, address family, remote port, and remote address.

"AD (Auditing Change) journal entries" on page 598 through "ZR (Read of Object) journal entries" on page 758 contain layouts for the model database outfiles provided to define entry-specific data. You can use the **CRTDUPOBJ** command to create any empty output file with the same layout as one of the model database outfiles. You can use the **DSPJRN** command to copy selected entries from the audit journal to the output file for analysis. "Analyzing audit journal entries with query or a program" on page 302 provides examples of using the model database outfiles. See also the Journal management topic.

Note: In these journal entries tables, you might see a blank column under the offset, JE or J4, column. It means there is no model outfile for that audit journal type.

Related concepts:

"Using the security audit journal" on page 267
The security audit journal is the primary source of auditing information about the system. This section describes how to plan, set up, and manage security auditing, what information is recorded, and how to view that information.

Related information:

Journal management

Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)

This table lists all possible values for the fields that are common to all entry types when OUTFILFMT(*TYPE5) is specified on the DSPJRN command.

Table 158. Standard heading fields for audit journal entries. QJORDJE5 Record Format (*TYPE5)

Offset	Field	Format	Description
1	Length of Entry	Zoned(5,0)	Total length of the journal entry including the entry length field.
6	Sequence Number	Char(20)	Applied to each journal entry. Initially set to 1 for each new or restored journal. Optionally, reset to 1 when a new receiver is attached.
26	Journal Code	Char(1)	Always T.
27	Entry Type	Char(2)	See "Audit Journal (QAUDJRN) entry types" on page 596 for a list of entry types and descriptions.
29	Timestamp of Entry	Char(26)	Date and time that the entry was made in SAA timestamp format.
55	Name of Job	Char(10)	The name of the job that caused the entry to be generated.[2]
65	User Name	Char(10)	The user profile name associated with the job.[1,2]
75	Job Number	Zoned(6,0)	The job number.[2]
81	Program Name	Char(10)	The name of the program that made the journal entry. This can also be the name of a service program or the partial name of a class file used in a compiled Java program. If an application program or CL program did not cause the entry, the field contains the name of a system-supplied program such as QCMD. The field has the value *NONE if one of the following conditions is true: • The program name does not apply to this entry type. • The program name was not available.
91	Program library	Char(10)	Name of the library that contains the program that added the journal entry.
101	Program ASP device	Char(10)	Name of ASP device that contains the program that added the journal entry.
111	Program ASP number	Zoned(5,0)	Number of the ASP that contains the program that added the journal entry.
116	Name of object	Char(10)	Used for journaled objects. Not used for audit journal entries.
126	Objects Library	Char(10)	Used for journaled objects. Not used for audit journal entries.
136	Member Name	Char(10)	Used for journaled objects. Not used for audit journal entries.
146	Count/RRN	Char(20)	Used for journaled objects. Not used for audit journal entries.
166	Flag	Char(1)	Used for journaled objects. Not used for audit journal entries.
167	Commit Cycle identifier	Char(20)	Used for journaled objects. Not used for audit journal entries.
187	User Profile	Char(10)	The name of the current user profile[1].
197	System Name	Char(8)	The name of the system.
205	Journal identifier	Char(10)	Used for journaled objects. Not used for audit journal entries.
215	Referential Constraint	Char(1)	Used for journaled objects. Not used for audit journal entries.
216	Trigger	Char(1)	Used for journaled objects. Not used for audit journal entries.
217	Incomplete Data	Char(1)	Used for journaled objects. Not used for audit journal entries.

Table 158. Standard heading fields for audit journal entries (continued). QJORDJE5 Record Format (*TYPE5)

Offset	Field	Format	Description
218	Ignored by APY/ RMVJRNCHG	Char(1)	Used for journaled objects. Not used for audit journal entries.
219	Minimized ESD	Char(1)	Used for journaled objects. Not used for audit journal entries.
220	Object indicator	Char(1)	Used for journaled objects. Not used for audit journal entries.
221	System sequence	Char(20)	A number assigned by the system to each journal entry.
241	Receiver	Char(10)	The name of the receiver holding the journal entry.
251	Receiver library	Char(10)	The name of the library containing the receiver that holds the journal entry.
261	Receiver ASP device	Char(10)	Name of ASP device that contains the receiver.
271	Receiver ASP number	Zoned(5,0)	Number of the ASP that contains the receiver that holds the journal entry.
276	Arm number	Zoned(5,0)	The number of the disk arm that contains the journal entry.
281	Thread identifier	Hex(8)	Identifies the thread within the process that added the journal entry.
289	Thread identifier hex	Char(16)	Displayable hex version of the thread identifier.
305	Address family	Char(1)	The format of the remote address for this journal entry.
306	Remote port	Zoned(5,0)	The port number of the remote address associated with the journal entry.
311	Remote address	Char(46)	The remote address associated with the journal entry.
357	Logical unit of work	Char(39)	Used for journaled objects. Not used for audit journal entries.
396	Transaction ID	Char(140)	Used for journaled objects. Not used for audit journal entries.
536	Reserved	Char(20)	Used for journaled objects. Not used for audit journal entries.
556	Null value indicators	Char(50)	Used for journaled objects. Not used for audit journal entries.
606	Entry specific data length	Binary(5)	Length of the entry specific data.

[1] The three fields beginning at offset 55 make up the system job name. In most cases, the User name field at offset 65 and the User profile name field at offset 187 have the same value. For prestarted jobs, the User profile name field contains the name of the user starting the transaction. For some jobs, both these fields contain QSYS as the user name. The User profile name field in the entry-specific data contains the actual user who caused the entry. If an API is used to exchange user profiles, the User profile name field contains the name of the new (swapped) user profile.

[2] If the system job is running in a task rather than a process, the name of job and user name fields that begin at offset 55 contain up to a 16 character name for the LIC task. The remaining characters of the user name field that start at offset 71 are left blank. The job number field that begins at offset 75 is set to zeros.

Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)

This table lists all possible values for the fields that are common to all entry types when OUTFILFMT(*TYPE4) is specified on the DSPJRN command.

Table 159. Standard heading fields for audit journal entries. QJORDJE4 Record Format (*TYPE4)

Offset	Field	Format	Description
1	Length of Entry	Zoned(5,0)	Total length of the journal entry including the entry length field.
6	Sequence Number	Zoned(10,0)	Applied to each journal entry. Initially set to 1 for each new or restored journal. Optionally, reset to 1 when a new receiver is attached.
16	Journal Code	Char(1)	Always T.
17	Entry Type	Char(2)	See "Audit Journal (QAUDJRN) entry types" on page 596 for a list of entry types and descriptions.
19	Timestamp of Entry	Char(26)	Date and time that the entry was made in SAA timestamp format.
45	Name of Job	Char(10)	The name of the job that caused the entry to be generated.[2]
55	User Name	Char(10)	The user profile name associated with the job.[1,2]
65	Job Number	Zoned(6,0)	The job number.[2]
71	Program Name	Char(10)	The name of the program that made the journal entry. This can also be the name of a service program or the partial name of a class file used in a compiled Java program. If an application program or CL program did not cause the entry, the field contains the name of a system-supplied program such as QCMD. The field has the value *NONE if one of the following is true: • The program name does not apply to this entry type. • The program name was not available.
81	Object Name	Char(10)	Used for journaled objects. Not used for audit journal entries.
91	Library Name	Char(10)	Used for journaled objects. Not used for audit journal entries.
101	Member Name	Char(10)	Used for journaled objects. Not used for audit journal entries.
111	Count/RRN	Zoned(10)	Used for journaled objects. Not used for audit journal entries.
121	Flag	Char(1)	Used for journaled objects. Not used for audit journal entries.
122	Commit Cycle ID	Zoned(10)	Used for journaled objects. Not used for audit journal entries.
132	User Profile	Char(10)	The name of the current user profile[1].
142	System Name	Char(8)	The name of the system.
150	Journal Identifier	Char(10)	Used for journaled objects. Not used for audit journal entries.
160	Referential Constraint	Char(1)	Used for journaled objects. Not used for audit journal entries.
161	Trigger	Char(1)	Used for journaled objects. Not used for audit journal entries.
162	(Reserved Area)	Char(8)	
170	Null Value Indicators[3]	Char(52)	Used for journaled objects. Not used for audit journal entries.
222	Entry Specific Data Length	Binary (2)	Length of the entry specific data.

Table 159. Standard heading fields for audit journal entries (continued). QJORDJE4 Record Format (*TYPE4)

Offset	Field	Format	Description
[1]	The three fields beginning at offset 45 make up the system job name. In most cases, the User name field at offset 55 and the User profile name field at offset 132 have the same value. For prestarted jobs, the User profile name field contains the name of the user starting the transaction. For some jobs, both these fields contain QSYS as the user name. The User profile name field in the entry-specific data contains the actual user who caused the entry. If an API is used to exchange user profiles, the User profile name field contains the name of the new (swapped) user profile.		
[2]	If the system job is running in a task rather than a process, the name of job and user name fields that begin at offset 45 contain up to a 16 character name for the LIC task. The remaining characters of the user name field that start at offset 61 are left blank. The job number field that begins at offset 65 is set to zeros.		
[3]	This is a variable length field. The first 2 bytes contain the length of the null value indicators.		

Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)

This table lists all possible values for the fields that are common to all entry types when OUTFILFMT(*TYPE2) is specified on the DSPJRN command.

Table 160. Standard heading fields for audit journal entries. QJORDJE2 Record Format (*TYPE2)

Offset	Field	Format	Description
1	Length of Entry	Zoned(5,0)	Total length of the journal entry including the entry length field.
6	Sequence Number	Zoned(10,0)	Applied to each journal entry. Initially set to 1 for each new or restored journal. Optionally, reset to 1 when a new receiver is attached.
16	Journal Code	Char(1)	Always T.
17	Entry Type	Char(2)	See "Audit Journal (QAUDJRN) entry types" on page 596 for a list of entry types and descriptions.
19	Timestamp	Char(6)	The system date that the entry was made.
25	Time of entry	Zoned(6,0)	The system time that the entry was made.
31	Name of Job	Char(10)	The name of the job that caused the entry to be generated.
41	User Name	Char(10)	The user profile name associated with the job[1].
51	Job Number	Zoned(6,0)	The job number.
57	Program Name	Char(10)	The name of the program that made the journal entry. This can also be the name of a service program or the partial name of a class file used in a compiled Java program. If an application program or CL program did not cause the entry, the field contains the name of a system-supplied program such as QCMD. The field has the value *NONE if one of the following is true: • The program name does not apply to this entry type. • The program name was not available.
67	Object Name	Char(10)	Used for journaled objects. Not used for audit journal entries.
77	Library Name	Char(10)	Used for journaled objects. Not used for audit journal entries.
87	Member Name	Char(10)	Used for journaled objects. Not used for audit journal entries.
97	Count/RRN	Zoned(10)	Used for journaled objects. Not used for audit journal entries.
107	Flag	Char(1)	Used for journaled objects. Not used for audit journal entries.
108	Commit Cycle ID	Zoned(10)	Used for journaled objects. Not used for audit journal entries.
118	User Profile	Char(10)	The name of the current user profile[1].

Table 160. Standard heading fields for audit journal entries (continued). QJORDJE2 Record Format (*TYPE2)

Offset	Field	Format	Description
128	System Name	Char(8)	The name of the system.
136	(Reserved Area)	Char(20)	

[1] The three fields beginning at offset 31 make up the system job name. In most cases, the *User name* field at offset 41 and the *User profile name* field at offset 118 have the same value. For prestarted jobs, the *User profile name* field contains the name of the user starting the transaction. For some jobs, both these fields contain QSYS as the user name. The *User profile name* field in the entry-specific data contains the actual user who caused the entry. If an API is used to exchange user profiles, the *User profile name* field contains the name of the new (swapped) user profile.

Audit Journal (QAUDJRN) entry types

This table introduces all available entry types for the audit journal.

Table 161. Audit Journal (QAUDJRN) entry types

Entry type	Description
AD	Auditing changes
AF	Authority failure
AP	Obtaining adopted authority
AU	Attribute changes
AX	Row and column access control
CA	Authority changes
CD	Command string audit
CO	Create object
CP	User profile changed, created, or restored
CQ	Change of *CRQD object
CU	Cluster Operations
CV	Connection verification
CY	Cryptographic Configuration
DI	Directory Server
DO	Delete object
DS	DST security password reset
EV	System environment variables
GR	Generic record
GS	Socket description was given to another job
IM	Intrusion monitor
IP	Interprocess Communication
IR	IP Rules Actions
IS	Internet security management
JD	Change to user parameter of a job description
JS	Actions that affect jobs
KF	Key ring file

Table 161. Audit Journal (QAUDJRN) entry types (continued)

Entry type	Description
LD	Link, unlink, or look up directory entry
ML	Office services mail actions
NA	Network attribute changed
ND	APPN directory search filter violation
NE	APPN end point filter violation
OM	Object move or rename
OR	Object restore
OW	Object ownership changed
O1	(Optical Access) Single File or Directory
O2	(Optical Access) Dual File or Directory
O3	(Optical Access) Volume
PA	Program changed to adopt authority
PF	PTF operations
PG	Change of an object's primary group
PO	Printed output
PS	Profile swap
PU	PTF object changes
PW	Invalid password
RA	Authority change during restore
RJ	Restoring job description with user profile specified
RO	Change of object owner during restore
RP	Restoring adopted authority program
RQ	Restoring a *CRQD object
RU	Restoring user profile authority
RZ	Changing a primary group during restore
SD	Changes to system distribution directory
SE	Subsystem routing entry changed
SF	Actions to spooled files
SG	Asynchronous Signals
SK	Sockets connections
SM	Systems management changes
SO	Server security user information actions
ST	Use of service tools
SV	System value changed
VA	Changing an access control list (This entry is no longer being written)
VC	Starting or ending a connection (This entry is no longer being written)
VF	Closing server files (This entry is no longer being written)
VL	Account limit exceeded (This entry is no longer being written)
VN	Logging on and off the network (This entry is no longer being written)

Table 161. Audit Journal (QAUDJRN) entry types (continued)

Entry type	Description
VO	Validation list actions
VP	Network password error
VR	Network resource access (This entry is no longer being written)
VS	Starting or ending a server session (This entry is no longer being written)
VU	Changing a network profile (This entry is no longer being written)
VV	Changing service status (This entry is no longer being written)
X0	Network Authentication
X1	Identify Token
X2	Query manager profile changes
XD	Directory server extension
YC	DLO object accessed (change)
YR	DLO object accessed (read)
ZC	Object accessed (change)
ZR	Object accessed (read)

AD (Auditing Change) journal entries

This table provides the format of the AD (Auditing Change) journal entries.

Table 162. AD (Auditing Change) journal entries. QASYADJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	**D** CHGDLOAUD command **O** CHGOBJAUD or CHGAUD command **S** The scan attribute was changed using CHGATR command or the Qp0lSetAttr API, or when the object was created. **U** CHGUSRAUD command
157	225	611	Object Name	Char(10)	Name of the object for which auditing was changed.
167	235	621	Library Name	Char(10)	Name of the library for the object.
177	245	631	Object Type	Char(8)	The type of object.
185	253	639	Object Audit Value	Char(10)	If the entry type is D, O, or U, the field contains the current object audit value. If the entry type is S, the field contains the scan attribute value.

Table 162. AD (Auditing Change) journal entries (continued). QASYADJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
					Current audit values:
195	263	649	CHGUSRAUD *CMD	Char(1)	Y = Audit commands for this user.
196	264	650	CHGUSRAUD *CREATE	Char(1)	Y = Write an audit record when this user creates an object.
197	265	651	CHGUSRAUD *DELETE	Char(1)	Y = Write an audit record when this user deletes an object.
198	266	652	CHGUSRAUD *JOBDTA	Char(1)	Y = Write an audit record when this user changes a job.
199	267	653	CHGUSRAUD *OBJMGT	Char(1)	Y = Write an audit record when this user moves or renames an object.
200	268	654	CHGUSRAUD *OFCSRV	Char(1)	Y = Write an audit record when this user performs office functions.
201	269	655	CHGUSRAUD *PGMADP	Char(1)	Y = Write an audit record when this user obtains authority through adopted authority.
202	270	656	CHGUSRAUD *SAVRST	Char(1)	Y = Write an audit record when this user saves or restores objects.
203	271	657	CHGUSRAUD *SECURITY	Char(1)	Y = Write an audit record when this user performs security-relevant actions.
204	272	658	CHGUSRAUD *SERVICE	Char(1)	Y = Write an audit record when this user performs service functions.
205	273	659	CHGUSRAUD *SPLFDTA	Char(1)	Y = Write an audit record when this user manipulates spooled files.
206	274	660	CHGUSRAUD *SYSMGT	Char(1)	Y = Write an audit record when this user makes systems management changes.
207	275	661	CHGUSRAUD *OPTICAL	Char (1)	Y = Write an audit record when this user accesses optical devices.
		662	CHGUSRAUD *AUTFAIL	Char(1)	Y = Write an audit record when this user has an authorization failure.
		663	CHGUSRAUD *JOBBAS	Char(1)	Y = Write an audit record when this user performs a job base function.
		664	CHGUSRAUD *JOBCHGUSR	Char(1)	Y = Write an audit record when this user changes a thread's active user profile or its group file.
		665	CHGUSRAUD *NETBAS	Char(1)	Y = Write an audit record when this user performs network base functions.
		666	CHGUSRAUD *NETCLU	Char(1)	Y = Write an audit record when this user performs cluster or cluster resource group functions.
		667	CHGUSRAUD *NETCMN	Char(1)	Y = Write an audit record when this user performs network communications functions.
		668	CHGUSRAUD *NETFAIL	Char(1)	Y = Write an audit record when this user has a network failure.
		669	CHGUSRAUD *NETSCK	Char(1)	Y = Write an audit record when this user performs sockets tasks.
		670	CHGUSRAUD *PGMFAIL	Char(1)	Y = Write an audit record when this user has a program failure.

Table 162. AD (Auditing Change) journal entries (continued). QASYADJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		671	CHGUSRAUD *PRTDTA	Char(1)	Y = Write an audit record when this user performs a print function with parameter SPOOL(*NO).
		672	CHGUSRAUD *SECCFG	Char(1)	Y = Write an audit record when this user performs security configuration.
		673	CHGUSRAUD *SECDIRSRV	Char(1)	Y = Write an audit record when this user makes changes or updates using directory service functions.
		674	CHGUSRAUD *SECIPC	Char(1)	Y = Write an audit record when this user makes changes to interprocess communications.
		675	CHGUSRAUD *SECNAS	Char(1)	Y = Write an audit record when this user performs network authentication service actions.
		676	CHGUSRAUD *SECRUN	Char(1)	Y = Write an audit record when this user performs security run time functions.
		677	CHGUSRAUD *SECSCKD	Char(1)	Y = Write an audit record when this user performs socket descriptor functions.
		678	CHGUSRAUD *SECVFY	Char(1)	Y = Write an audit record when this user uses verification functions.
		679	CHGUSRAUD *SECVLDL	Char(1)	Y = Write an audit record when this user manipulates validation lists.
		680	CHGUSRAUD *NETSECURE	Char(1)	Y = Write an audit record when this user establishes a secure connection.
208	276		(Reserved Area)	Char(19)	
227	295	681	DLO Name	Char(12)	Name of the DLO object for which auditing was changed.
239	307	693	(Reserved Area)	Char(8)	
247	315	701	Folder Path	Char(63)	Path of the folder.
310			(Reserved Area)	Char(20)	
	378	764	(Reserved Area)	Char(18)	
	396	782	Object Name Length [1]	Binary(4)	The length of the object name.
330	398	784	Object Name CCSID[1]	Binary(5)	The coded character set identifier for the object name.
334	402	788	Object Name Country or Region ID[1]	Char(2)	The Country or Region ID for the object name.
336	404	790	Object Name Language ID[1]	Char(3)	The language ID for the object name.
339	407	793	(Reserved area)	Char(3)	
342	410	796	Parent File ID[1,2]	Char(16)	The file ID of the parent directory.
358	426	812	Object File ID[1,2]	Char(16)	The file ID of the object.

Table 162. AD (Auditing Change) journal entries (continued). QASYADJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
374	442	828	Object Name[1]	Char(512)	The name of the object.
	954	1340	Object File ID[1]	Char(16)	The file ID of the object.
	970	1356	ASP Name[5]	Char(10)	The name of the ASP device.
	980	1366	ASP Number[5]	Char(5)	The number of the ASP device.
	985	1371	Path Name CCSID[1]	Binary(5)	The coded character set identifier for the path name.
	989	1375	Path Name Country or Region ID[1]	Char(2)	The Country or Region ID for the path name.
	991	1377	Path Name Language ID[1]	Char(3)	The language ID for the path name.
	994	1380	Path Name Length[1]	Binary(4)	The length of the path name.
	996	1382	Path Name Indicator[1]	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	997	1383	Relative Directory File ID[1, 3]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]
	1013	1399	Path Name[1, 4]	Char(5002)	The path name of the object.
		6401	Previous Object Audit Value	Char(10)	If the entry type is D, O, or U, the field contains the previous audit value.
					Previous audit values:
		6411	CHGUSRAUD *CMD	Char(1)	Y = Audit commands for this user.
		6412	CHGUSRAUD *CREATE	Char(1)	Y = Write an audit record when this user creates an object.
		6413	CHGUSRAUD *DELETE	Char(1)	Y = Write an audit record when this user deletes an object.
		6414	CHGUSRAUD *JOBDTA	Char(1)	Y = Write an audit record when this user changes a job.
		6415	CHGUSRAUD *OBJMGT	Char(1)	Y = Write an audit record when this user moves or renames an object.
		6416	CHGUSRAUD *OFCSRV	Char(1)	Y = Write an audit record when this user performs office functions.
		6417	CHGUSRAUD *PGMADP	Char(1)	Y = Write an audit record when this user obtains authority through adopted authority.

Table 162. AD (Auditing Change) journal entries (continued). QASYADJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		6418	CHGUSRAUD *SAVRST	Char(1)	Y = Write an audit record when this user saves or restores objects.
		6419	CHGUSRAUD *SECURITY	Char(1)	Y = Write an audit record when this user performs security-relevant actions.
		6420	CHGUSRAUD *SERVICE	Char(1)	Y = Write an audit record when this user performs service functions.
		6421	CHGUSRAUD *SPLFDTA	Char(1)	Y = Write an audit record when this user manipulates spooled files.
		6422	CHGUSRAUD *SYSMGT	Char(1)	Y = Write an audit record when this user makes system management changes.
		6423	CHGUSRAUD *OPTICAL	Char(1)	Y = Write an audit record when this user accesses optical devices.
		6424	CHGUSRAUD *AUTFAIL	Char(1)	Y = Write an audit record when this user has an authorization failure.
		6425	CHGUSRAUD *JOBBAS	Char(1)	Y = Write an audit record when this user performs a job base function.
		6426	CHGUSRAUD *JOBCHGUSR	Char(1)	Y = Write an audit record when this user changes a thread's active user profile.
		6427	CHGUSRAUD *NETBAS	Char(1)	Y = Write an audit record when this user performs network base functions.
		6428	CHGUSRAUD *NETCLU	Char(1)	Y = Write an audit record when this user performs cluster or cluster resource group functions.
		6429	CHGUSRAUD *NETCMN	Char(1)	Y = Write an audit record when this user performs network communications functions.
		6430	CHGUSRAUD *NETFAIL	Char(1)	Y = Write an audit record when this user has a network failure.
		6431	CHGUSRAUD *NETSCK	Char(1)	Y = Write an audit record when this user performs sockets tasks.
		6432	CHGUSRAUD *PGMFAIL	Char(1)	Y = Write an audit record when this user has a program failure.
		6433	CHGUSRAUD *PRTDTA	Char(1)	Y = Write an audit record when this user performs a print function with parameter SPOOL(*NO)
		6434	CHGUSRAUD *SECCFG	Char(1)	Y = Write an audit record when this user performs security configuration.
		6435	CHGUSRAUD *SECDIRSRV	Char(1)	Y = Write an audit record when this user makes changes or updates using directory service functions.
		6436	CHGUSRAUD *SECIPC	Char(1)	Y = Write an audit record when this user makes changes to interprocess communications.
		6437	CHGUSRAUD *SECNAS	Char(1)	Y = Write an audit record when this user performs network authentication service actions.
		6438	CHGUSRAUD *SECRUN	Char(1)	Y = Write an audit record when this user performs security run time functions.
		6439	CHGUSRAUD *SECSCKD	Char(1)	Y = Write an audit record when this user performs socket descriptor functions.

Table 162. AD (Auditing Change) journal entries (continued). QASYADJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		6440	CHGUSRAUD *SECVFY	Char(1)	Y = Write an audit record when this user uses verification functions.
		6441	CHGUSRAUD *SECVLDL	Char(1)	Y = Write an audit record when this user manipulates validation lists.
		6442	CHGUSRAUD *NETSECURE	Char(1)	Y = Write an audit record when this user establishes a secure connection.
		6443	CHGUSRAUD *NETUDP	Char(1)	Y = Write an audit record for UDP inbound and outbound traffic for this user.
					End of previous audit values
		6444	Reserved	Char(10)	Not used
		6454	CHGUSRAUD *NETUDP	Char(1)	Current audit value. Y = Write an audit record for UDP inbound and outbound traffic for this user.

[1] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file systems.

[2] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.

[3] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.

[4] This is a variable length field. The first two bytes contain the length of the path name.

[5] If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.

AF (Authority Failure) journal entries

This table provides the format of the AF (Authority Failure) journal entries.

Table 163. AF (Authority Failure) journal entries. QASYAFJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.

Table 163. AF (Authority Failure) journal entries (continued). QASYAFJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
156	224	610	Violation Type[1]	Char(1)	**A** Not authorized to object **B** Restricted instruction **C** Validation failure (see J5 offset 639) **D** Use of unsupported interface, object domain failure **E** Hardware storage protection error, program constant space violation **F** ICAPI authorization error **G** ICAPI authentication error **H** Scan exit program action (see J5 offset 639) **I**[7] System Java inheritance not allowed **J** Submit job profile error **K** Special authority violation **N** Profile token not a regenerable token **O** Optical Object Authority Failure **P** Profile swap error **R** Hardware protection error **S** Default sign-on attempt **T** Not authorized to TCP/IP port **U** User permission request not valid **V** Profile token not valid for generating new profile token **W** Profile token not valid for swap **X** System violation — see J5 offset 723 for violation codes **Y** Not authorized to the current JUID field during a clear JUID operation. **Z** Not authorized to the current JUID field during a set JUID operation.
157	225	611	Object Name [1, 5, 12, 17]	Char(10)	The name of the object.
167	235	621	Library Name[13]	Char(10)	The name of the library where the object is stored or the Licensed Internal Code fix number that failed to apply.[11]
177	245	631	Object Type[14, 17]	Char(8)	The type of object.

Table 163. AF (Authority Failure) journal entries (continued). QASYAFJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
185	253	639	Validation Error Action	Char(1)	Action taken after validation error detected, set only if the violation type (J5 offset 610) is C or H. **A** The translation of the object was not attempted or it failed. The QALWOBJRST system value setting allowed the object to be restored. The user doing the restore did not have *ALLOBJ special authority and the system security level is set to 10, 20, or 30. Therefore, all authorities to the object were retained. **B** The translation of the object was not attempted or it failed. The QALWOBJRST system value setting allowed the object to be restored. The user doing the restore did not have *ALLOBJ special authority and the system security level is set to 40 or above. Therefore, all authorities to the object were revoked. **C** The translation of the object was successful. The translated copy was restored on the system. **D** The translation of the object was not attempted or it failed. The QALWOBJRST system value setting allowed the object to be restored. The user doing the restore had *ALLOBJ special authority. Therefore, all authorities to the object were retained. **E** System install time error detected. **F** The object was not restored because the signature is not IBM i format. **G** Unsigned system or inherit state object found when checking system. **H** Unsigned user state object found when checking system. **I** Mismatch between object and its signature found when checking system. **J** IBM certificate not found when checking system. **K** Invalid signature format found when checking system. **M** Scan exit program modified the object that was scanned **X** Scan exit program wanted object marked as having a scan failure
186	254	640	Job Name	Char(10)	The name of the job.

Table 163. AF (Authority Failure) journal entries (continued). QASYAFJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
196	264	650	User Name	Char(10)	The job user name.
206	274	660	Job Number	Zoned(6,0)	The job number.
212	280	666	Program Name	Char(10)	The name of the program.
222	290	676	Program Library	Char(10)	The name of the library where the program is found.
232	300	686	User Profile [2]	Char(10)	The name of the user that caused the authority failure.
242	310	696	Workstation Name	Char(10)	The name of the workstation or workstation type.
252	320	706	Program Instruction Number	Zoned(7,0)	The instruction number of the program.
259	327	713	Field name	Char(10)	The name of the field.
269	337	723	Operation Violation Code	Char(3)	The type of operation violation that occurred, set only if the violation type (J5 offset 610) is X. **AAC** Not authorized to use SST Advanced Analysis Command. **HCA** Service tool user profile not authorized to perform hardware configuration operation (QYHCHCOP). **LIC** LIC indicates that a Licensed Internal Code fix was not applied because of a signature violation. **SFA** Not authorized to activate the environment attribute for system file access. **CMD** An attempt was made to use a command that has been disabled by a system administrator.
272	340	726	Office User	Char(10)	The name of the office user.
282	350	736	DLO Name	Char(12)	The name of the document library object.
294	362	748	(Reserved Area)	Char(8)	
302	370	756	Folder Path[15, 16]	Char(63)	The path of the folder.
365	433	819	Office on Behalf of User	Char(10)	User working on behalf of another user.
375			(Reserved Area)	Char(20)	
	443	829	(Reserved Area)	Char(18)	
	461	847	Object Name Length[3]	Binary(4)	The length of the object name.
395	463	849	Object Name CCSID[3]	Binary(5)	The coded character set identifier for the object name.

Table 163. AF (Authority Failure) journal entries (continued). QASYAFJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
399	467	853	Object Name Country or Region ID[3]	Char(2)	The Country or Region ID for the object name.
401	469	855	Object Name Language ID[3]	Char(3)	The language ID for the object name.
404	472	858	(Reserved area)	Char(3)	
407	475	861	Parent File ID[3,4]	Char(16)	The file ID of the parent directory.
423	491	877	Object File ID[3,4]	Char(16)	The file ID of the object.
439	507	893	Object Name[3,6]	Char(512)	The name of the object.
	1019	1405	Object File ID[3]	Char(16)	The file ID of the object.
	1035	1421	ASP Name[10]	Char(10)	The name of the ASP device.
	1045	1431	ASP Number[10]	Char(5)	The number of the ASP device.
	1050	1436	Path Name CCSID[3]	Binary(5)	The coded character set identifier for the path name.
	1054	1440	Path Name Country or Region ID[3]	Char(2)	The Country or Region ID for the path name.
	1056	1442	Path Name Language ID[3]	Char(3)	The language ID for the path name.
	1059	1445	Path Name Length[3]	Binary(4)	The length of the path name.
	1061	1447	Path Name Indicator[3]	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	1062	1448	Relative Directory File ID[3, 8]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[8]
	1078	1464	Path Name[3, 9]	Char(5002)	The path name of the object.
		6466	ASP Program Library Name	Char(10)	ASP name for program library
		6476	ASP Program Library Number	Char(5)	ASP number for program library

Table 163. AF (Authority Failure) journal entries (continued). QASYAFJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
[1]			When the violation type is for description G, the object name contains the name of the *SRVPGM that contained the exit that detected the error. For more information about the violation types, see "Security auditing journal entries" on page 274.		
[2]			This field contains the name of the user that caused the entry. QSYS might be the user for the following entries: • offsets 41 and 118 for *TYPE2 records • offsets 55 and 132 for *TYPE4 records • offsets 65 and 187 for *TYPE5 records		
[3]			These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file systems.		
[4]			An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.		
[5]			When the violation type is T, the object name contains the TCP/IP port the user is not authorized to use. The value is left justified and blank filled. The object library and object type fields will be blank.		
[6]			When the violation type is O, the optical object name is contained in the integrated file system object name field. The Country or Region ID, language ID, parent file ID, and object file ID fields will all contain blanks.		
[7]			The Java class object being created can not extend its base class because the base class has system Java attributes.		
[8]			If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.		
[9]			This is a variable length field. The first two bytes contain the length of the path name.		
[10]			If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.		
[11]			When the violation type is X and the Operation Violation code value is LIC, this indicates that a Licensed Internal Code fix was not applied because of a signature violation. This field will contain the Licensed Internal Code fix number that failed to apply.		
[12]			When the violation type is K, the object name contains the name of the command or program that detected the error. If the command has several alternative names, the command name in the audit record might not match the specific command name used but will be one of the equivalent alternatives. A special value of *INSTR indicates that a machine instruction detected the error.		
[13]			When the violation type is K, the library name contains the name of the program's library or *N for the command's library that detected the error.		
[14]			When the violation type is K, the object type contains the object type of the command or program that detected the error.		
[15]			When the violation type is K, the Folder Path might contain the full API name of the API or exit point name that detected the error.		
[16]			When the violation type is X and the Operation Violation Code is AAC, the Folder Path will contain the 30 character Advanced Analysis Command name.		
[17]			When the object type is *LIC and the object library is *N, the object name is a Licensed Internal Code Ru name.		

AP (Adopted Authority) journal entries

This table provides the format of the AP (Adopted Authority) journal entries.

Table 164. AP (Adopted Authority) journal entries. QASYAPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	**S** Start **E** End **A** Adopted authority used during program activation
157	225	611	Object Name	Char(10)	The name of the program, service program, or SQL package
167	235	621	Library Name	Char(10)	The name of the library.
177	245	631	Object Type	Char(8)	The type of object.
185	253	639	Owning User Profile	Char(10)	The name of the user profile whose authority is adopted.
195	263	649	Object File ID	Char(16)	The file ID of the object.
	279	665	ASP Name[1]	Char(10)	The name of the ASP device.
	289	675	ASP Number[1]	Char(5)	The number of the ASP device.

[1] If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.

AU (Attribute Changes) journal entries

This table provides the format of the AU (Attribute Changes) journal entries.

Table 165. AU (Attribute Changes) journal entries. QASYAUJ5 Field Description File

Offset	Field	Format	Description
J5			
610	Entry type	Char(1)	The type of entry. **E** EIM configuration attributes **A** EIM association

Table 165. AU (Attribute Changes) journal entries (continued). QASYAUJ5 Field Description File

Offset J5	Field	Format	Description
611	Action	Char(3)	Action. When entry type (J5 offset 610) is E this field can contain: **CHG** Attributes changed When entry type (J5 offset 610) is A this field can contain: **ADD** Add association **RMV**[2] Remove association
614	Name	Char(100)	Attribute name. When entry type (J5 offset 610) is A this field contains the registry user name.
714	New Value Length	Binary(4)	New value length. When entry type (J5 offset 610) is A this field contains the length of the identifier dn.
716	New Value CCSID	Binary(5)	New value CCSID. When entry type (J5 offset 610) is A this field contains the CCSID of the identifier dn.
720	New Value Country or Region ID	Char(2)	New value Country or Region ID. When entry type (J5 offset 610) is A this field contains the Country or Region ID of the identifier dn.
722	New Value Language ID	Char(3)	New value language ID. When entry type (J5 offset 610) is A this field contains the language ID of the identifier dn.
725	New Value	Char(2002) [1]	New value. When entry type (J5 offset 610) is A this field contains the identifier dn.
2727	Old Value Length	Binary(4)	Old value length. When entry type (J5 offset 610) is A this field contains the length of the registry dn.
2729	Old Value CCSID	Binary(5)	Old value CCSID. When entry type (J5 offset 610) is A this field contains the CCSID of the registry dn.
2733	Old Value Country or Region ID	Char(2)	Old value Country or Region ID. When entry type (J5 offset 610) is A this field contains the Country or Region ID of the registry dn.
2735	Old Value Language ID	Char(3)	Old value language ID. When entry type (J5 offset 610) is A this field contains the language ID of the registry dn.
2738	Old Value	Char(2002) [1]	Old value. When entry type (J5 offset 610) is A this field contains the registry dn.

Table 165. AU (Attribute Changes) journal entries (continued). QASYAUJ5 Field Description File

Offset J5	Field	Format	Description
4740	Association Type	Char(1)	When entry type (J5 offset 610) is A this field contains the association type being added or removed. **0** All **1** Target **2** Source **3** Source and target **4** Administrative
1 This is a variable length field. The first two bytes contain the length of the field. **2** A remove association audit entry is not sent when the remove association is a result of the removal of a registry or the removal of an identifier.			

AX (Row and Column Access Control) journal entries

This table provides the format of the AX (Row and Column Access Control) journal entries.

Table 166. AX (Row and Column Access Control) journal entries. QASYAXJ5 Field Description File

Offset J5	Field	Format	Description
1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592 for field listing.
610	Entry Type	Char(1)	The type of entry. **M** Column mask **P** Row permission **T** Table
611	Operation Type	Char(1)	The type of operation. **A** Alter **B** Internal use **C** Create **D** Drop
612	Table Name	Char(10)	The name of the base table that the permission or mask is associated with or the table being altered.
622	Table Library	Char(10)	The name or the library where the table is stored.
632	Table ASP Name	Char(10)	The name of the table ASP device.
642	Table ASP Number	Char(5)	The number of the table ASP device.
647	Name	Char(128)	When entry type (J5 offset 610) is P this field contains the row permission name. When entry type (J5 offset 610) is M this field contains the column mask name.

Table 166. AX (Row and Column Access Control) journal entries (continued). QASYAXJ5 Field Description File

Offset J5	Field	Format	Description
775	Column Name	Char(10)	The name of the column to which the mask applies. This field is only used when the entry type (J5 offset 610) is M and the operation type (J5 offset 611) is C.
785	Status 1	Char(1)	This field is only used when the operation type (J5 offset 611) is A or C. When entry type (J5 offset 610) is M or P this field contains the row permission status or the column mask status. **E** Enabled **D** Disabled When entry type (J5 offset 610) is T this field contains the row access control status. **A** Activate **D** Deactivate
786	Status 2	Char(1)	This field is only used when the operation type (J5 offset 611) is A. When entry type (J5 offset 610) is T this field contains the column access control status. **A** Activate **D** Deactivate
787	Previous Status 1	Char(1)	This field is only used when the operation type (J5 offset 611) is A. When entry type (J5 offset 610) is M or P this field contains the previous row permission status or the previous column mask status. **E** Enabled **D** Disabled When entry type (J5 offset 610) is T this field contains the previous row access control status. **A** Activate **D** Deactivate
788	Previous Status 2	Char(1)	This field is only used when the operation type (J5 offset 611) is A. When entry type (J5 offset 610) is T this field contains the previous column access control status. **A** Activate **D** Deactivate
789	(Reserved Area)	Char(50)	
839	Truncated Indicator	Char(1)	Indicates if the SQL statement is truncated. This field is only used when the entry type (J5 offset 610) is M or P and the operation type (J5 offset 611) is C. **1** SQL statement truncated

Table 166. AX (Row and Column Access Control) journal entries (continued). QASYAXJ5 Field Description File

Offset			
J5	**Field**	**Format**	**Description**
840	SQL statement CCSID	Binary(5)	The coded character set identifier for the SQL statement. This field is only used when the entry type (J5 offset 610) is M or P and the operation type (J5 offset 611) is C.
844	SQL statement length	Binary(4)	The length of the SQL statement. This field is only used when the entry type (J5 offset 610) is M or P and the operation type (J5 offset 611) is C.
846	SQL statement[1]	Char(5002)	The SQL statement. This field is only used when the entry type (J5 offset 610) is M or P and the operation type (J5 offset 611) is C.

[1] This is a variable length field. The first two bytes contain the length of the SQL statement.

CA (Authority Changes) journal entries

This table provides the format of the CA (Authority Changes) journal entries.

Table 167. CA (Authority Changes) journal entries. QASYCAJE/J4/J5 Field Description File

Offset					
JE	**J4**	**J5**	**Field**	**Format**	**Description**
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Changes to authority
157	225	611	Object Name	Char(10)	The name of the object.
167	235	621	Library Name	Char(10)	The name of the library where the object is stored.
177	245	631	Object Type	Char(8)	The type of object.
185	253	639	User Name	Char(10)	The name of the user profile whose authority is being granted or revoked.
195	263	649	Authorization List Name	Char(10)	The name of the authorization list.
					Authorities granted or removed:
205	273	659	Object Existence	Char(1)	**Y** *OBJEXIST
206	274	660	Object Management	Char(1)	**Y** *OBJMGT
207	275	661	Object Operational	Char(1)	**Y** *OBJOPR
208	276	662	Authorization List Management	Char(1)	**Y** *AUTLMGT

Table 167. CA (Authority Changes) journal entries (continued). QASYCAJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
209	277	663	Authorization List	Char(1)	**Y** *AUTL public authority
210	278	664	Read Authority	Char(1)	**Y** *READ
211	279	665	Add Authority	Char(1)	**Y** *ADD
212	280	666	Update Authority	Char(1)	**Y** *UPD
213	281	667	Delete Authority	Char(1)	**Y** *DLT
214	282	668	Exclude Authority	Char(1)	**Y** *EXCLUDE
215	283	669	Execute Authority	Char(1)	**Y** *EXECUTE
216	284	670	Object Alter Authority	Char(1)	**Y** *OBJALTER
217	285	671	Object Reference Authority	Char(1)	**Y** *OBJREF
218	286	672	(Reserved Area)	Char(4)	
222	290	676	Command Type	Char(3)	The type of command used. **GRT** Grant **RPL** Grant with replace **RVK** Revoke **USR** GRTUSRAUT operation
225	293	679	Field name	Char(10)	The name of the field.
235	303		(Reserved Area)	Char(10)	
		689	Object Attribute	Char(10)	The attribute of the object.
245	313	699	Office User	Char(10)	The name of the office user.
255	323	709	DLO Name	Char(12)	The name of the DLO.
267	335	721	(Reserved Area)	Char(8)	
275	343	729	Folder Path	Char(63)	The path of the folder.
338	406	792	Office on Behalf of User	Char(10)	User working on behalf of another user.
348	416	802	Personal Status	Char(1)	**Y** Personal status changed
349	417	803	Access Code	Char(1)	**A** Access code added **R** Access code removed
350	418	804	Access Code	Char(4)	Access code.

Table 167. CA (Authority Changes) journal entries (continued). QASYCAJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
354			(Reserved Area)	Char(20)	
	422	808	(Reserved Area)	Char(18)	
	440	826	Object Name Length [1]	Binary(4)	The length of the object name.
374	442	828	Object Name CCSID[1]	Binary(5)	The coded character set identifier for the object name.
378	446	832	Object Name Country or Region ID[1]	Char(2)	The Country or Region ID for the object name.
380	448	834	Object Name Language ID[1]	Char(3)	The language ID for the object name.
383	451	837	(Reserved area)	Char(3)	
386	454	840	Parent File ID[1,2]	Char(16)	The file ID of the parent directory.
402	470	856	Object File ID[1,2]	Char(16)	The file ID of the object.
418	486	872	Object Name[1]	Char(512)	The name of the object.
	998	1384	Object File ID	Char(16)	The file ID of the object.
	1014	1400	ASP Name[5]	Char(10)	The name of the ASP device.
	1024	1410	ASP Number[5]	Char(5)	The number of the ASP device.
	1029	1415	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	1033	1419	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	1035	1421	Path Name Language ID	Char(3)	The language ID for the path name.
	1038	1424	Path Name Length	Binary(4)	The length of the path name.
	1040	1426	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	1041	1427	Relative Directory File ID[3]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]
	1057	1443	Path Name[4]	Char(5002)	The path name of the object.

Table 167. CA (Authority Changes) journal entries (continued). QASYCAJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		6445	Previous Authorization List Name	Char(10)	The name of the previous authorization list.
					Previous authorities
		6455	Previous Object Existence	Char(1)	**Y** *OBJEXIST
		6456	Previous Object Management	Char(1)	**Y** *OBJMGT
		6457	Previous Object Operational	Char(1)	**Y** *OBJOPR
		6458	Previous Authorization List Management	Char(1)	**Y** *AUTLMGT
		6459	Previous Authorization List Authority	Char(1)	**Y** *AUTL public authority
		6460	Previous Read Authority	Char(1)	**Y** *READ
		6461	Previous Add Authority	Char(1)	**Y** *ADD
		6462	Previous Update Authority	Char(1)	**Y** *UPD
		6463	Previous Delete Authority	Char(1)	**Y** *DLT
		6464	Previous Exclude Authority	Char(1)	**Y** *EXCLUDE[6]
		6465	Previous Execute Authority	Char(1)	**Y** *EXECUTE
		6466	Previous Object Alter Authority	Char(1)	**Y** *OBJALTER
		6467	Previous Object Reference Authority	Char(1)	**Y** *OBJREF

[1] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file systems.

[2] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.

[3] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.

[4] This is a variable length field. The first two bytes contain the length of the path name.

[5] If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.

[6] New objects may show a previous authority of *EXCLUDE because of the way in which the system assigns authorities to new objects.

CD (Command String) journal entries

This table provides the format of the CD (Command String) journal entries.

Table 168. CD (Command String) journal entries. QASYCDJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **C** Command run **L** OCL statement **O** Operator control command **P** S/36 procedure **S** Command run after command substitution took place **U** Utility control statement **X** Proxy command
157	225	611	Object Name	Char(10)	The name of the object.
167	235	621	Library Name	Char(10)	The name of the library where the object is stored.
177	245	631	Object Type	Char(8)	The type of object.
185	253	639	Where run	Char(1)	Where the CL command was run. **Y** From a compiled OPM CL program or an ILE CL Program **R** From a REXX procedure **E** The command string was passed as a parameter to one of the Command Analyzer APIs: QCMDEXC, QCAPCMD, or QCAEXEC **B** In a batch job but not for any of the reason listed under Y, R, or E. Typical case would be that the CL command was run using STRDBRDR or SBMDBJOB command or was specified on the CMD parameter of the SBMJOB command. **N** Interactively from a command line or by choosing a menu option that runs a CL command

Table 168. CD (Command String) journal entries (continued). QASYCDJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
186	254	640	Command String	Char(6000)	The command that was run, with parameters.
		6640	ASP Name for Command Library	Char(10)	ASP name for command library
		6650	ASP Number for Command Library	Char(5)	ASP number for command library

CO (Create Object) journal entries

This table provides the format of the CO (Create Object) journal entries.

Table 169. CO (Create Object) journal entries. QASYCOJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **N** Create of new object **R** Replacement of existing object
157	225	611	Object Name	Char(10)	The name of the object.
167	235	621	Library Name	Char(10)	The name of the library the object is in.
177	245	631	Object Type	Char(8)	The type of object.
185	253		(Reserved Area)	Char(20)	
		639	Object Attribute	Char(10)	The attribute of the object.
		649	(Reserved Area)	Char(10)	
205	273	659	Office User	Char(10)	The name of the office user.
215	283	669	DLO Name	Char(12)	The name of the document library object created.
227	295	681	(Reserved Area)	Char(8)	
235	303	689	Folder Path	Char(63)	The path of the folder.
298	366	752	Office on Behalf of User	Char(10)	User working on behalf of another user.
308			(Reserved Area)	Char(20)	

Table 169. CO (Create Object) journal entries (continued). QASYCOJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	376	762	(Reserved Area)	Char(18)	
	394	780	Object Name Length	Binary(4)	The length of the object name.
328	396	782	Object Name CCSID[1]	Binary(5)	The coded character set identifier for the object name.
332	400	786	Object Name Country or Region ID[1]	Char(2)	The Country or Region ID for the object name.
334	402	788	Object Name Language ID[1]	Char(3)	The language ID for the object name.
337	405	791	(Reserved area)	Char(3)	
340	408	794	Parent File ID[1,2]	Char(16)	The file ID of the parent directory.
356	424	810	Object File ID[1,2]	Char(16)	The file ID of the object.
372	440	826	Object Name[1]	Char(512)	The name of the object.
	952	1338	Object File ID	Char(16)	The file ID of the object.
	968	1354	ASP Name[5]	Char(10)	The name of the ASP device.
	978	1364	ASP Number[5]	Char(5)	The number of the ASP device.
	983	1369	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	987	1373	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	989	1375	Path Name Language ID	Char(3)	The language ID for the path name.
	992	1378	Path Name Length	Binary(4)	The length of the path name.
	994	1380	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	995	1381	Relative Directory File ID[3]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]
	1011	1397	Path Name[4]	Char(5002)	The path name of the object.

Table 169. CO (Create Object) journal entries (continued). QASYCOJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
[1] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file systems.					
[2] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.					
[3] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.					
[4] This is a variable length field. The first 2 bytes contain the length of the path name.					
[5] If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.					

CP (User Profile Changes) journal entries

This table provides the format of the CP (User Profile Changes) journal entries.

Table 170. CP (User Profile Changes) journal entries. QASYCPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Change to a user profile
157	225	611	User Profile Name	Char(10)	The name of the user profile that was changed.
167	235	621	Library Name	Char(10)	The name of the library.
177	245	631	Object Type	Char(8)	The type of object.
185	256	639	Command Name	Char(3)	The type of command used. **CRT** CRTUSRPRF **CHG** CHGUSRPRF **RST** RSTUSRPRF **DST** QSECOFR password reset using DST **RPA** QSYRESPA API **SQL** QSYS2/SET_SERVER_SBS_ROUTING() DB2 for i procedure
188	256	642	Password Changed	Char(1)	**Y** Password changed
189	257	643	Password *NONE	Char(1)	**Y** Password is *NONE.

Table 170. CP (User Profile Changes) journal entries (continued). QASYCPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
190	258	644	Password Expired	Char(1)	**Y** Password expired is *YES **N** Password expired is *NO
191	259	645	All Object Special Authority	Char(1)	**Y** Current *ALLOBJ special authority
192	260	646	Job Control Special Authority	Char(1)	**Y** Current *JOBCTL special authority
193	261	647	Save System Special Authority	Char(1)	**Y** Current *SAVSYS special authority
194	262	648	Security Administrator Special Authority	Char(1)	**Y** Current *SECADM special authority
195	263	649	Spool Control Special Authority	Char(1)	**Y** Current *SPLCTL special authority
196	264	650	Service Special Authority	Char(1)	**Y** Current *SERVICE special authority
197	265	651	Audit Special Authority	Char(1)	**Y** Current *AUDIT special authority
198	266	652	System Configuration Special Authority	Char(1)	**Y** Current *IOSYSCFG special authority
199	267		(Reserved Area)	Char(13)	
		653	Previous All Object Special Authority	Char(1)	**Y** Previous *ALLOBJ special authority
		654	Previous Job Control Special Authority	Char(1)	**Y** Previous *JOBCTL special authority
		655	Previous Save System Special Authority	Char(1)	**Y** Previous *SAVSYS special authority
		656	Previous Security Administrator Special Authority	Char(1)	**Y** Previous *SECADM special authority
		657	Previous Spool Control Special Authority	Char(1)	**Y** Previous *SPLCTL special authority
		658	Previous Service Special Authority	Char(1)	**Y** Previous *SERVICE special authority

Table 170. CP (User Profile Changes) journal entries (continued). QASYCPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		659	Previous Audit Special Authority	Char(1)	**Y** Previous *AUDIT special authority
		660	Previous System Configuration Special Authority	Char(1)	**Y** Previous *IOSYSCFG special authority
		661	(Reserved Area)	Char(5)	
212	280	666	Group Profile	Char(10)	The name of a group profile.
222	290	676	Owner	Char(10)	Owner of objects created as a member of a group profile.
232	300	686	Group Authority	Char(10)	Group profile authority.
242	310	696	Initial Program	Char(10)	The name of the user's initial program.
252	320	706	Initial Program Library	Char(10)	The name of the library where the initial program is found.
262	330	716	Initial Menu	Char(10)	The name of the user's initial menu.
272	340	726	Initial Menu Library	Char(10)	The name of the library where the initial menu is found.
282	350	736	Current Library	Char(10)	The name of the user's current library.
292	360	746	Limited Capabilities	Char(10)	The value of limited capabilities parameter.
302	370	756	User Class	Char(10)	The user class of the user.
312	380	766	Priority Limit	Char(1)	The value of the priority limit parameter.
313	381	767	Profile Status	Char(10)	User profile status.
323	391	777	Group Authority Type	Char(10)	The value of the GRPAUTTYP parameter.
333	401	787	Supplemental Group Profiles	Char(150)	The names of up to 15 supplemental group profiles for the user.
483	551	937	User Identification	Char(10)	The uid for the user.
493	561	947	Group Identification	Char(10)	The gid for the user.
503	571	957	Local Password Management	Char(10)	The value of the LCLPWDMGT parameter.

Table 170. CP (User Profile Changes) journal entries (continued). QASYCPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		967	Password Composition Conformance	Char(10)	Indicates whether the new password conforms to the password composition rules. ***PASSED** Checked and conforms. ***SYSVAL** Checked but does not conform because of a system value based rule. ***EXITPGM** Checked but does not conform because of an exit program response. ***NONE** Not checked; *NONE was specified for the new password. ***NOCHECK** Not checked; password was changed. This field has meaning only when the Password Changed field contains a *Y*.
		977	Password Expiration Interval	Char(7)	Specifies the value that the password expiration interval has been changed to. ***NOMAX** No expiration interval. ***SYSVAL** The system value QPWDEXPITV is used. **number** The size of the expiration interval in days.
		984	Block Password Change	Char(10)	Specifies the value that the block password change has been changed to. ***SYSVAL** The system value QPWDCHGBLK is used. ***NONE** No block period. **1-99** Blocked hours.
		994	User Expiration Date	Char(7)	Specifies the date when the user profile expires (CYYMMDD). The user profile is automatically disabled or deleted on this date.
		1001	Alternative Subsystem Name	Char(10)	The alternative subsystem that will be used for this user, instead of the default subsystem, whenever a connection is initiated to the server job specified in the IBM i Server Job Name field. This field will only contain data when command name (J5 offset 639) is SQL.

Table 170. CP (User Profile Changes) journal entries (continued). QASYCPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		1011	IBM i Server Job Name	Char(10)	When a connection to this server is initiated for this user it will be routed to the subsystem specified in the Alternative Subsystem Name field. To understand the Server Job Name mapping to server names and the default subsystem use, see Server table. This field will only contain data when command name (J5 offset 639) is SQL.
		1021	Assistance Level	Char(10)	The user interface that will be used. ***SYSVAL** The system value, QASTLVL, is used to determine the user interface that will be used. ***BASIC** The Operational Assistant user interface is used. ***INTERMED** The system interface is used. ***ADVANCED** The expert system interface is used.
		1031	Special Environment	Char(10)	The special environment in which the user operates after signing on. ***SYSVAL** The system value, QSPCENV, is used to determine the system environment in which the user operates after signing on the system. ***NONE** The user operates in the IBM i system environment after signing on the system. ***S36** The user operates in the System/36 environment after signing on the system.
		1041	Display Signon Information	Char(10)	Indicates if the sign-on information display is shown. ***SYSVAL** The system value, QDSPSGNINF, is used to determine whether the sign-on information display is shown. ***NO** The sign-on information display is not shown. ***YES** The sign-on information display is shown.

Table 170. CP (User Profile Changes) journal entries (continued). QASYCPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		1051	Limit Device Sessions	Char(10)	The number of device sessions allowed for a user is limited. ***SYSVAL** The system value, QLMTDEVSSN, is used to determine whether the user is limited to a specific number of device sessions. ***NO** The user is not limited to a specific number of device sessions. ***YES** The user is limited to a single device session. **0** The user is not limited to a specific number of device sessions. This value has the same meaning as *NO. **1** The user is no limited to a single device sessions. This value has the same meaning as *YES. **2-9** The user is limited to the specified number of device sessions.
		1061	Keyboard Buffering	Char(10)	The keyboard buffering value to be used when a job is initialized for this user profile. ***SYSVAL** The system value, QKBDBUF, is used to determine the keyboard buffering value. ***NO** The type-ahead feature and attention key buffering option are not active. ***TYPEAHEAD** The type-ahead feature is active, but the attention key buffering option is not. ***YES** The type-ahead feature and attention key buffering option are active.
		1071	Maximum Allowed Storage	Char(20)	The amount of auxiliary storage (in kilobytes) assigned to store permanent objects owned by this user profile in the system auxiliary storage pool (ASP) and on all the basic ASPs combined. In addition, this value also controls the maximum amount of auxiliary storage that can be used to store permanent objects owned by this user profile on each Independent ASP (IASP).
		1091	Job Description	Char(10)	The job description used for jobs that start through subsystem work station entries whose job description parameter values indicate the user JOBD(*USRPRF).
		1101	Job Description Library	Char(10)	The name of the library where the job description is found.

Table 170. CP (User Profile Changes) journal entries (continued). QASYCPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		1111	Accounting Code	Char(15)	The accounting code that is associated with this user profile or the value listed below. ***BLANK** An accounting code of 15 blanks is assigned to this user profile.
		1126	Document Password Changed	Char(1)	Indicates if the document password has been changed. **Y** Document password changed.
		1127	Document Password *NONE	Char(1)	Indicates if the document password is *NONE. **Y** Document password is *NONE.
		1128	Message Queue	Char(10)	The message queue to which messages are sent or the value listed below. ***USRPRF** A message queue with the same name as the user profile is used as the message queue for this user. The message queue is located in the QUSRSYS library.
		1138	Message Queue Library	Char(10)	The name of the library where the message queue is found.
		1148	Delivery	Char(10)	How messages sent to the message queue for this user are to be delivered. ***NOTIFY** The job to which the message queue is assigned is notified when a message arrives at the message queue. ***HOLD** The messages are held in the message queue until they are requested by the user or program. ***BREAK** The job to which the message queue is assigned is interrupted when a message arrives at the message queue. ***DFT** The default reply to the inquiry message is sent.
		1158	Severity Code Filter	Char(2)	The lowest severity code that a message can have and still be delivered to a user in break or notify mode. **00-99**

Table 170. CP (User Profile Changes) journal entries (continued). QASYCPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		1160	Print Device	Char(10)	The default printer device for this user or one of the values listed below. ***WRKSTN** The printer assigned to the user's work station is used. ***SYSVAL** The system value, QPRTDEV, is used to determine the printer device.
		1170	Output Queue	Char(10)	The output queue to be used by this user profile or one of the values listed below. ***WRKSTN** The output queue assigned to the user's work station is used. ***DEV** The output queue associated with the printer specified for the Printer Device is used.
		1180	Output Queue Library	Char(10)	The name of the library where the output queue is found.
		1190	Attention Program	Char(10)	The program to be used as the Attention (ATTN) key handling program for this user or one of the values listed below. ***SYSVAL** The system value, QATNPGM, is used to determine the ATTN key handling program. ***NONE** No ATTN key handling program is used by this user. ***ASSIST** The Operational Assistant ATTN key handling program, QEZMAIN, is used.
		1200	Attention Program Library	Char(10)	The name of the library where the ATTN program is found.
		1210	Sort Sequence	Char(10)	The sort sequence table to be used for string comparisons for this user profile or one of the values listed below. ***SYSVAL** The system value, QSRTSEQ, is used to determine the sort sequence table. ***HEX** A sort sequence table is not used. The hexadecimal values of the characters are used to determine the sort sequence. ***LANGIDUNQ** A unique-weight sort table is used. ***LANGIDSHR** A shared-weight sort table is used.

Table 170. CP (User Profile Changes) journal entries (continued). QASYCPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		1220	Sort Sequence Library	Char(10)	The name of the library where the sort sequence table is found.
		1230	Language ID	Char(10)	The language identifier to be used for this user profile or the value listed below. ***SYSVAL** The system value, QLANGID, is used to determine the language identifier.
		1240	Country or Region ID	Char(10)	The country or region identifier to be used for this user profile or the value listed below. ***SYSVAL** The system value, QCNTRYID, is used to determine the country or region ID.
		1250	CCSID	Binary(5)	The coded character set identifier to be used for this user profile.
		1254	Character Identifier Control	Char(10)	The character identifier control (CHRIDCTL) for the job. ***SYSVAL** The system value, QCHRIDCTL, is used to determine the CHRIDCTL for the job. ***DEVD** Performs the same function as it does on the CHRID parameter for display files, printer files, and panel groups. ***JOBCCSID** Performs the same function as it does on the CHRID parameter for display files, printer files, and panel groups.

Table 170. CP (User Profile Changes) journal entries (continued). QASYCPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		1264	Locale Job Attributes	Char(60)	The job attributes that are to be taken from the locale when the job is initiated. This field can contain up to six char(10) values. ***SYSVAL** The system value, QSETJOBATR, is used to determine which job attributes are taken from the locale. ***NONE** No job attributes are taken from the locale. ***CCSID** The coded character set identifier from the locale is used. ***DATFMT** The date format from the locale is used. ***DATSEP** The date separator from the locale is used. ***DECFMT** The decimal format from the locale is used. ***SRTSEQ** The sort sequence from the locale is used. ***TIMSEP** The time separator from the locale is used.

Table 170. CP (User Profile Changes) journal entries (continued). QASYCPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		1324	User Options	Char(70)	The level of help information detail to be shown and the default function of the Page Up and Page Down keys. This field can contain up to seven char(10) values. ***NONE** Detailed information is not shown. ***CLKWD** Parameter keywords are shown instead of the possible parameter values when a control language (CL) command is prompted. ***EXPERT** More detailed information is shown when the user is performing display and edit options to define or change the system. ***ROLLKEY** The actions of the Page Up and Page Down keys are reversed. ***NOSTSMSG** Status messages are not displayed when sent to the user. ***STSMSG** Status messages are displayed when sent to the user. ***HLPFULL** Help text is shown on a full display rather than in a window. ***PRTMSG** A message is sent to this user's message queue when a spooled file for this user is printed or held by the printer writer.
		1394	EIM Identifier	Char(128)	Enterprise Identity Mapping (EIM) identifier name or the value listed below. ***USRPRF** The name of the EIM identifier is the same name as the user profile.
		1522	EIM Association Type	Char(10)	EIM association type. ***TARGET** Target association. ***SOURCE** Source association. ***TGTSRC** Target and source associations. ***ADMIN** Administrative association. ***ALL** All association types.

Table 170. CP (User Profile Changes) journal entries (continued). QASYCPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		1532	EIM Association Action	Char(10)	EIM association action. ***REPLACE** Associations of the specified type will be removed from all EIM identifiers that have an association for this user profile and local EIM registry. A new association will be added to the specified EIM identifier. ***ADD** Add an association. ***REMOVE** Remove an association.
		1542	Create EIM Identifier	Char(12)	Indicates whether the EIM identifier should be created if it does not exist. ***NOCRTEIMID** EIM identifier does not get created. ***CRTEIMID** EIM identifier gets created if it does not exist.
		1554	(Reserved Area)	Char(52)	
		1606	Home Directory CCSID	Binary(5)	The coded character set identifier for the home directory.
		1610	Home Directory Length	Binary(4)	Length of the home directory.
		1612	Home Directory[1]	Char(5002)	Path name of the home directory or the value listed below. ***USRPRF** The home directory assigned to the user will be /home/USRPRF, where USRPRF is the name of the user profile. For this value, the length will be 7 and the CCSID will be 37.
		6614	Locale CCSID	Binary(5)	The coded character set identifier for the locale.
		6618	Locale Length	Binary(4)	Length of the locale.

Table 170. CP (User Profile Changes) journal entries (continued). QASYCPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		6620	Locale[1]	Char(5002)	Path name of the locale or one of the values listed below. ***SYSVAL** The system value, QLOCALE, is used to determine the locale path name to be assigned to this user. For this value, the length will be 7 and the CCSID will be 37. ***NONE** No locale path name is assigned to this user. For this value, the length will be 5 and the CCSID will be 37. ***C** The C locale path name is assigned to this user. For this value, the length will be 2 and the CCSID will be 37. ***POSIX** The POSIX locale path name is assigned to this user. For this value, the length will be 6 and the CCSID will be 37.

[1] This is a variable length field. The first two bytes contain the length of the path name.

CQ (*CRQD Changes) journal entries

This table provides the format of the CQ (*CRQD Changes) journal entries.

*Table 171. CQ (*CRQD Changes) journal entries.* QASYCQJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Change to a *CRQD object
157	225	611	Object Name	Char(10)	The name of the object that was changed.
167	235	621	Library Name	Char(10)	The name of the object library.
177	245	631	Object Type	Char(8)	The type of object.
		639	ASP Name	Char(10)	ASP name for CRQD library
		649	ASP Number	Char(5)	ASP number for CRQD library

CU (Cluster Operations) journal entries

This table provides the format of the CU (Cluster Operations) journal entries.

Table 172. CU (Cluster Operations) journal entries. QASYCUJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592 and "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594 for field listing.
	224	610	Entry Type	Char(1)	The type of entry. **M** Cluster control operation **R** Cluster Resource Group (*GRP) management operation
	225	611	Entry Action	Char(3)	The type of action. **ADD** Add **CRT** Create **DLT** Delete **DST** Distribute **END** End **FLO** Fail over **LST** List information **RMV** Remove **RSC** Report state change **STR** Start **SWT** Switch **UPC** Update attributes
	228	614	Status	Char(3)	The status of the request. **ABN** The request ended abnormally **AUT** Authority Failure, *IOSYSCFG is required **END** The request ended successfully **STR** The request was started
	231	617	CRG Object Name	Char(10)	The Cluster Resource Group object name. **Note:** This value is filled in when the entry type is R.
	241	627	CRG Library Name	Char(10)	The Cluster Resource Group object library. **Note:** This value is filled in when the entry type is R.
	251	637	Cluster Name	Char(10)	The name of the cluster.
	261	647	Node ID	Char(8)	The node ID.

Table 172. CU (Cluster Operations) journal entries (continued). QASYCUJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	269	655	Source Node ID	Char(8)	The source node ID.
	277	663	Source User Name	Char(10)	Name of the source system user that initiated the request.
	287	673	User Queue Name	Char(10)	Name of the user queue where responses are sent.
	297	683	User Queue Library	Char(10)	The user queue library.
		693	ASP Name	Char(10)	ASP name for user queue library
		703	ASP Number	Char(5)	ASP number for user queue library

CV (Connection Verification) journal entries

This table provides the format of the CV (Connection Verification) journal entries.

Table 173. CV (Connection Verification) journal entries. QASYCVJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592 and "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594 for field listing.
	224	610	Entry Type	Char(1)	The type of entry. **C** Connection established **E** Connection ended **R** Connection rejected

Table 173. CV (Connection Verification) journal entries (continued). QASYCVJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	225	611	Action	Char(1)	Action taken for the connection type. " " Connection established or ended normally. Used for Entry Type C or E. **A** Peer was not authenticated. Used for Entry Type E or R. **C** No response from the authentication server. Used for Entry Type R. **L** LCP configuration error. Used for Entry Type R. **N** NCP configuration error. Used for Entry Type R. **P** Password is not valid. Used for Entry Type E or R. **R** Authentication was rejected by peer. Used for Entry Type R. **T** L2TP configuration error. Used for Entry Type E or R. **U** User is not valid. Used for Entry Type E or R.
	226	612	Point to Point Profile Name	Char(10)	The point-to-point profile name.
	236	622	Protocol	Char(10)	The type of entry. **L2TP** Layer Two Tunneling protocol **PPP** Point-to-Point protocol. **SLIP** Serial Line Internet Protocol.
	246	632	Local Authentication Method	Char(10)	The type of entry. **CHAP** Challenge Handshake Authentication Protocol. **PAP** Password Authentication Protocol. **SCRIPT** Script method.
	256	642	Remote Authentication Method	Char(10)	The type of entry. **CHAP** Challenge Handshake Authentication Protocol. **PAP** Password Authentication Protocol. **RADIUS** Radius method. **SCRIPT** Script method.
	266	652	Object Name	Char(10)	The *VLDL object name.
	276	662	Library Name	Char(10)	The *VLDL object library name.
	286	672	*VLDL User Name	Char(100)	The *VLDL user name.

Table 173. CV (Connection Verification) journal entries (continued). QASYCVJ4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
	386	772	Local IP Address	Char(40)	The local IP address.
	426	812	Remote IP Address	Char(40)	The remote IP address.
	466	852	IP Forwarding	Char(1)	The type of entry. **Y** IP forwarding is on. **N** IP forwarding is off.
	467	853	Proxy ARP	Char(1)	The type of entry. **Y** Proxy ARP is enabled. **N** Proxy ARP is not enabled.
	468	854	Radius Name	Char(10)	The AAA profile name.
	478	864	Authenticating IP Address	Char(40)	The authenticating IP address.
	518	904	Account Session ID	Char(14)	The account session ID.
	532	918	Account Multi-Session ID	Char(14)	The account multi-session ID.
	546	932	Account Link Count	Binary(4)	The account link count.
	548	934	Tunnel Type	Char(1)	The tunnel type: **0** Not tunneled **3** L2TP **6** AH **9** ESP
	549	935	Tunnel Client Endpoint	Char(40)	Tunnel client endpoint.
	589	975	Tunnel Server Endpoint	Char(40)	Tunnel server endpoint.
	629	1015	Account Session Time	Char(8)	The account session time. Used for Entry Type E or R.
	637	1023	Reserved	Binary(4)	Always zero
		1025	ASP Name	Char(10)	ASP name for validation list library
		1035	ASP Number	Char(5)	ASP number for validation list library

CY (Cryptographic Configuration) journal entries

This table provides the format of the CY (Cryptographic Configuration) journal entries.

Table 174. CY (Cryptographic Configuration) journal entries. QASYCYJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
	224	610	Entry Type	Char(1)	The type of entry. **A** Cryptographic Coprocessor Access Control Function **F** Cryptographic Coprocessor Facility Control Function **K** Cryptographic Services Master Key Function **M** Cryptographic Coprocessor Master Key Function

Table 174. CY (Cryptographic Configuration) journal entries (continued). QASYCYJ4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
	225	611	Action	Char(3)	The cryptographic configuration function performed: **CCP** Define a card profile. **CCR** Define a card role. **CLK** Set clock. **CLR** Clear master keys. **CRT** Create master keys. **DCP** Delete a card profile. **DCR** Delete a card role. **DST** Distribute master keys. **EID** Set environment ID. **FCV** Load or clear FCV. **INI** Reinitialize card. **LOD** Load master key. **QRY** Query role or profile information. **RCP** Replace a card profile. **RCR** Replace a card role. **RCV** Receive master keys. **SET** Set master keys. **SHR** Cloning shares. **TST** Test master key.
	228	614	Card Profile	Char(8)	The name of the card profile.[2]
	236	622	Card Role	Char(8)	The role of the card profile.[2]
	244	630	Device Name	Char(10)	The name of the cryptographic device.[2]
		640	Master Key ID[1]	Binary(4)	The cryptographic services Master Key ID[3]. Possible values are as follows: **-2** Save/restore master key **-1** ASP master key **1** Master key 1 **2** Master key 2 **3** Master key 3 **4** Master key 4 **5** Master key 5 **6** Master key 6 **7** Master key 7 **8** Master key 8

Table 174. CY (Cryptographic Configuration) journal entries (continued). QASYCYJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		644	Master key encryption	Char(1)	Master Key encrypted with default S/R Master Key. **Y** The master key was set and encrypted with the default Save/Restore Master Key. **N** The master key was set and encrypted with a user-set Save/Restore Master Key.
		645	Master key version	Char(8)	The version of the master key that was cleared. **NEW** The new version was cleared. **CURRENT** The current version was cleared. **OLD** The old version was cleared. **PENDING** The pending version was cleared.

[1] When the entry type (J5 offset 610) is K, the card profile (J5 offset 614), card role (J5 offset 622), and device name (J5 offset 630) is set to blanks.

[2] When the entry type is K, this field is blank.

[3] When the entry type is not K, this field is blank.

DI (Directory Server) journal entries

This table provides the format of the DI (Directory Server) journal entries.

Table 175. DI (Directory Server) journal entries. QASYDIJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
	224	610	Entry Type	Char(1)	The type of entry. **L** LDAP Operation

Table 175. DI (Directory Server) journal entries (continued). QASYDIJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	225	611	Operation Type	Char(2)	The type of LDAP operation: **AD** Audit attribute change. **AF** Authority failure. **BN** Successful bind. **CA** Object authority change. **CF** Configuration change. **CI** Create instance **CO** Object creation. **CP** Password change. **DI** Delete instance **DO** Object delete. **EX** LDAP directory export. **IM** LDAP directory import. **OM** Object management (rename). **OW** Ownership change. **PO** Policy change. **PW** Password fail. **RM** Replication management **UB** Successful unbind. **ZC** Object change. **ZR** Object read.

Table 175. DI (Directory Server) journal entries (continued). QASYDIJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	227	613	Authority Failure Code	Char(1)	Code for authority failures. This field is used only if the operation type (J5 offset 611) is AF. **A** Unauthorized attempt to change audit value. **B** Unauthorized bind attempt. **C** Unauthorized object create attempt. **D** Unauthorized object delete attempt. **E** Unauthorized export attempt. **F** Unauthorized configuration change (administrator, change log, backend library, replicas, publishing). **G** Unauthorized replication management attempt. **I** Unauthorized import attempt. **M** Unauthorized change attempt. **P** Unauthorized policy change attempt. **R** Unauthorized read (search) attempt. **U** Unauthorized attempt to read the audit configuration. **X** Unauthorized proxy authorization attempt.

Table 175. DI (Directory Server) journal entries (continued). QASYDIJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	228	614	Configuration Change	Char(1)	Configuration changes. This field is only used if the operation type (J5 offset 611) is CF, RM, CA or OW. If the operation type (J5 offset 611) is CF this field will contain: **A** Administrator ND change. **C** Change log on or off. **L** Backend library name change. **P** Publishing agent change. **R** Replica server change. If the operation type (J5 offset 611) is RM this field will contain: **U** Suspend replication. **V** Resume replication. **W** Replicate pending changes now. **X** Skip one or more pending changes. **Y** Quiesce replication context. **Z** Unquiesce replication context. If the operation type (J5 offset 611) is CA or OW this field will contain the previous setting of the owner or ACL propagate value. **T** True **F** False
	229	615	Configuration Change Code	Char(1)	Code for configuration changes. This field is used only if the operation type (J5 offset 611) is CF. **A** Item added to configuration **D** Item deleted from configuration **M** Item modified
	230	616	Propagate Flag	Char(1)	Indicates the new setting of the owner or ACL propagate value. This field is used only if the operation type (J5 offset 611) is CA or OW. **T** True **F** False
	231	617	Bind Authentication Choice	Char(20)	The bind authentication choice. This field is used only if the operation type (J5 offset 611) is BN.

Table 175. DI (Directory Server) journal entries (continued). QASYDIJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	251	637	LDAP Version	Char(4)	Version of client making request. This field is used only if the operation was done through the LDAP server. **2** LDAP Version 2 **3** LDAP Version 3
	255	641	SSL Indicator	Char(1)	Indicates if SSL was used on the request. This field is used ony if the operation was done through the LDAP server. **0** No **1** Yes
	256	642	Request Type	Char(1)	The type of request. This field is used only if the operation was done through the LDAP server. **A** Authenticated **N** Anonymous **U** Unauthenticated
	257	643	Connection ID	Char(20)	Connection ID of the request. This field is used only if the operation was done through the LDAP server.
	277	663	Client IP Address	Char(50)	IP address and port number of the client request. This field is used only if the operation was done through the LDAP server.
	327	713	User Name CCSID	Bin(5)	The coded character set identifier of the user name.
	331	717	User Name Length	Bin(4)	The length of the user name.
	333	719	User Name[1]	Char(2002)	The name of the LDAP user.
	2335	2721	Object Name CCSID	Bin(5)	The coded character set identifier of the object name.
	2339	2725	Object Name Length	Bin(4)	The length of the object name.
	2341	2727	Object Name[1]	Char(2002)	The name of the LDAP object.
	4343	4729	Name CCSID	Bin(5)	The coded character set identifier of the name. This field is used only if the operation type (J5 offset 611) is OW or AD. • For operation type OW, this field will contain the CCSID of the previous owner name. • For operation type AD, this field will contain the CCSID of the previous audit value.
	4347	4733	Name Length	Bin(4)	The length of the name. This field is used only if the operation type is OW or AD. • For operation type OW, this field will contain the length of the previous owner name. • For operation type AD, this field will contain the length of the previous audit value.

Table 175. DI (Directory Server) journal entries (continued). QASYDIJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	4349	4735	Name[1]	Char(2002)	The name. This field is used only if the operation type (J5 offset 611) is OW or AD. • For operation type OW, this field will contain the previous owner name. • For operation type AD, this field will contain the previous audit value.
	6351	6737	New Name CCSID	Bin(5)	The coded character set identifier of the new name. This field is used only if the operation type (J5 offset 611) is OM, OW, PO, ZC, AF+M, or AF+P. • For operation type OM, this field will contain the CCSID of the new object name. • For operation type OW, this field will contain the CCSID of the new owner name. • For operation types PO, ZC, AF+M, or AF+P, this field will contain the CCSID of the list of changed attribute types in the New Name field.
	6355	6741	New Name Length	Bin(4)	The length of the new name. This field is used only if the operation type (J5 offset 611) is OM, OW, PO, ZC, AF+M, or AF+P. • For operation type OM, this field will contain the length of the new object name. • For operation type OW, this field will contain the length of the new owner name. • For operation types PO, ZC, AF+M,or AF+P, this field will contain the length of the list of changed attribute types in the New Name field.
	6357	6743	New Name[1]	Char(2002)	The new name. This field is used only if the operation type (J5 offset 611) is OM, OW, PO, ZC, AF+M, or AF+P. • For operation type OM, this field will contain the new object name. • For operation type OW, this field will contain the new owner name. • For operation types PO, ZC, AF+M, or AF+P, this field will contain a list of changed attribute types.
	8359	8745	Object File ID[2]	Char(16)	The file ID of the object for export.
	8375	8761	ASP Name[2]	Char(10)	The name of the ASP device.
	8385	8771	ASP Number[2]	Char(5)	The number of the ASP device.
	8390	8776	Path Name CCSID[2]	Bin(5)	The coded character set identifier of the path name.
	8394	8780	Path Name Country or Region ID[2]	Char(2)	The Country or Region ID of the path name.
	8396	8782	Path Name Language ID[2]	Char(3)	The language ID of the path name.

Table 175. DI (Directory Server) journal entries (continued). QASYDIJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	8399	8785	Path Name Length[2]	Bin(4)	The length of the path name.
	8401	8787	Path Name Indicator[2]	Char(1)	Path name indicator. **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	8402	8788	Relative Directory File ID[2,3]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]
	8418	8804	Path Name[1,2]	Char(5002)	The path name of the object.
		13806	Local User Profile	Char(10)	The local user profile name that is mapped to the LDAP user name (J5 offset 719). Blank indicates no user profile is mapped.
		13816	Administrator Indicator	Char(1)	Administrator indicator for the LDAP user name (J5 offset 719). **Y** The LDAP user is an administrator. **N** The LDAP user is not an administrator. **U** It is unknown at this time if the LDAP user is an administrator.
		13817	Proxy ID CCSID	Bin(5)	The coded character set identifier (CCSID) of the proxy ID.
		13821	Proxy ID Length	Bin(4)	The length of the proxy ID.
		13823	Proxy ID[1]	Char(2002)	The name of the proxy ID. This field is used when the proxy authorization control is used to request that an operation be done under the authority of the proxy ID, or for a SASL bind in which the client has specified an authorization ID different from the bind ID.
		15825	Group Assertion	Char(1)	Group membership assertion **0** Groups were not specified by client. **1** Groups were specified by client.
		15826	Cross Reference	Char(36)	Cross reference string used to correlate this entry with the XD entry/entries listing the groups.
		15862	Instance Name	Char(8)	Instance name
		15870	Route CCSID	Bin(5)	CCSID of route
		15874	Route Length	Bin(4)	Length of route
		15876	Route	Char(502)	Request route

Table 175. DI (Directory Server) journal entries (continued). QASYDIJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
[1] This is a variable length field. The first two bytes contain the length of the value in the field.					
[2] These fields are used only if the operation type (J5 offset 611) is EX or IM.					
[3] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.					

DO (Delete Operation) journal entries

This table provides the format of the DO (Delete Operation) journal entries.

Table 176. DO (Delete Operation) journal entries. QASYDOJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Object was deleted not under commitment control) **C** A pending object delete was committed **D** A pending object create was rolled back **P** The object delete is pending (the delete was performed under commitment control) **R** A pending object delete was rolled back
157	225	611	Object Name	Char(10)	The name of the object.
167	235	621	Library Name	Char(10)	The name of the library where the object is stored.
177	245	631	Object Type	Char(8)	The type of object.
185	253		(Reserved Area)	Char(20)	
		639	Object Attribute	Char(10)	The attribute of the object.
		649	(Reserved Area)	Char(10)	
205	273	659	Office User	Char(10)	The name of the office user.
215	283	669	DLO Name	Char(12)	The name of the document library object.

Table 176. DO (Delete Operation) journal entries (continued). QASYDOJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
227	295	681	(Reserved Area)	Char(8)	
235	303	689	Folder Path	Char(63)	The path of the folder.
298	366	752	Office on Behalf of User	Char(10)	User working on behalf of another user.
308			(Reserved Area)	Char(20)	
	376	762	(Reserved Area)	Char(18)	
	394	780	Object Name Length [1]	Binary(4)	The length of the object name.
328	396	782	Object Name CCSID[1]	Binary(5)	The coded character set identifier for the object name.
332	400	786	Object Name Country or Region ID[1]	Char(2)	The Country or Region ID for the object name.
334	402	788	Object Name Language ID[1]	Char(3)	The language ID for the object name.
337	405	791	(Reserved area)	Char(3)	
340	408	794	Parent File ID[1,2]	Char(16)	The file ID of the parent directory.
356	424	810	Object File ID[1,2]	Char(16)	The file ID of the object.
372	440	826	Object Name[1]	Char(512)	The name of the object.
	952	1338	Object File ID	Char(16)	The file ID of the object.
	968	1354	ASP Name[5]	Char(10)	The name of the ASP device.
	978	1364	ASP Number[5]	Char(5)	The number of the ASP device.
	983	1369	Path Name CCSID	Binary5)	The coded character set identifier for the path name.
	987	1373	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	989	1375	Path Name Language ID	Char(3)	The language ID for the path name.
	992	1378	Path Name Length	Binary(4)	The length of the path name.
	994	1380	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.

Table 176. DO (Delete Operation) journal entries (continued). QASYDOJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	995	1381	Relative Directory File ID[3]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]
	1011	1397	Path Name[4]	Char(5002)	The path name of the object.

[1] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file systems.

[2] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.

[3] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.

[4] This is a variable length field. The first two bytes contain the length of the path name.

[5] If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.

DS (IBM-Supplied Service Tools User ID Reset) journal entries

This table provides the format of the DS (IBM-Supplied Service Tools User ID Reset) journal entries.

Table 177. DS (IBM-Supplied Service Tools User ID Reset) journal entries. QASYDSJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Reset of a service tools user ID password. **C** Change to a service tools user ID. **P** Service tools user ID password was changed.
157	225	611	IBM-Supplied Service Tools User ID Reset	Char(1)	**Y** Request to reset an IBM-supplied service tools user ID.
158	226	612	Service Tools User ID Type	Char(10)	The type of service tools user ID ***SECURITY** ***FULL** ***BASIC**
168	236	622	Service Tools User ID New Name	Char(8)	The name of the service tools user ID.

Table 177. DS (IBM-Supplied Service Tools User ID Reset) journal entries (continued). QASYDSJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
176	244	630	Service Tools User ID Password Change	Char(1)	Request to change the service tools user ID password. **Y** Request to change service tools user ID password.
	245	631	Service Tools User ID New Name	Char(10)	The name of the service tools user ID.
	255	641	Service Tools User ID Requesting Profile	Char(10)	The name of the service tools user ID that requested the change.

EV (Environment Variable) journal entries

This table provides the format of the EV (Environment Variable) journal entries.

Table 178. EV (Environment Variable) journal entries. QASYEVJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
	224	610	Entry Type	Char(1)	The type of entry. **A** Add **C** Change **D** Delete **I** Initialize Environment Variable Space
	225	611	Name Truncated	Char(1)	Indicates whether the environment variable name (offset 232) is truncated. **Y** Environment variable name truncated. **N** Environment variable name not truncated.
	226	612	CCSID	Binary(5)	The CCSID of the environment variable name.
	230	616	Length	Binary(4)	The length of the environment variable name.
	232	618	Environment Variable Name[2]	Char(1002)	The name of the environment variable.

Table 178. EV (Environment Variable) journal entries (continued). QASYEVJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1234	1620	New Name Truncated[1]	Char(1)	Indicates whether the new environment variable name (offset 1241) is truncated. **Y** Environment variable value truncated. **N** Environment variable value not truncated.
	1235	1621	New Name CCSID[1]	Binary(5)	The CCSID of the new environment variable name.
	1239	1625	New Name Length[1]	Binary(4)	The length of the new environment variable name.
	1241	1627	New Environment Variable Name[1,2]	Char (1002)	The new environment variable name.

[1] These fields are used when the entry type is C.

[2] This is a variable length field. The first two bytes contain the length of the environment variable name.

GR (Generic Record) journal entries

This table provides the format of the GR (Generic Record) journal entries.

Table 179. GR (Generic Record) journal entries. QASYGRJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592 and "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594 for field listing.
	224	610	Entry Type	Char(1)	The type of entry. **A** Exit program added **C** Operations Resource Monitoring and Control Operations **D** Exit program removed **F** Function registration operations **R** Exit program replaced
	225	611	Action	Char(2)	The action performed. **ZC** Change **ZR** Read
	227	613	User Name	Char(10)	User profile name For entry type F, this field contains the name of the user the function registration operation was performed against.

Table 179. GR (Generic Record) journal entries (continued). QASYGRJ4/J5 Field Description File

Offset					
JE	**J4**	**J5**	**Field**	**Format**	**Description**
	237	623	Field 1 CCSID	Binary (5)	The CCSID value for field 1.
	241	627	Field 1 Length	Binary (4)	The length of the data in field 1.
	243	629	Field 1	Char(102)[1]	Field 1 data For entry type F, this field contains the description of the function registration operation that was performed. The possible values are: ***REGISTER:** Function has been registered ***REREGISTER:** Function has been updated ***DEREGISTER:** Function has been de-registered ***CHGUSAGE:** Function usage information has been changed ***CHKUSAGE:** Function usage was checked for a user and the check passed ***USAGEFAILURE:** Function usage was checked for a user and the check failed For entry types A, D, and R, this field will contain the exit program information for the specific function that was performed. For entry type C, this field contains the name of the RMC function that is being attempted. The possible values are: • **mc_reg_event_select** Register event using attribute selection • **mc_reg_event_handle** Register event using resource handle • **mc_reg_class_event** Register event for a resource class • **mc_unreg_event** Unregister event • **mc_define_resource** Define new resource • **mc_undefine_resource** Undefine resource • **mc_set_select** Set resource attribute values using attribute selection • **mc_set_handle** Set resource attribute values using resource handle • **mc_class_set** Set resource class attribute values • **mc_query_p_select** Query resource persistent attributes using attribute selection • **mc_query_d_select** Query resource dynamic attributes using attribute selection

Table 179. GR (Generic Record) journal entries (continued). QASYGRJ4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
243 (cont)					• **mc_query_p_handle** Query resource persistent attributes using resource handle **mc_query_d_handle** Query resource dynamic attributes using resource handle **mc_class_query_p** Query resource class persistent attributes **mc_class_query_d** Query resource class dynamic attributes **mc_qdef_resource_class** Query resource class definition **mc_qdef_p_attribute** Query persistent attribute definition **mc_qdef_d_attribute** Query dynamic attribute definition **mc_qdef_sd** Query Structured Data definition **mc_qdef_valid_values** Query definition of a persistent attribute's valid values **mc_qdef_actions** Query definition of a resource's actions **mc_invoke_action** Invoke action on a resource **mc_invoke_class_action** Invoke action on a resource class
	345	731	Field 2 CCSID	Binary (5)	The CCSID value for field 2.
	349	735	Field 2 Length	Binary (4)	The length of the data in field 2.
	351	737	Field 2	Char (102)[1]	Field 2 data For entry type F, this field contains the name of the function that was operated on. For entry type C, this field contains the name of the resource or resource class against which the operation was attempted.
	453	839	Field 3 CCSID	Binary (5)	The CCSID value for field 3.
	457	843	Field 3 Length	Binary (4)	The length of the data in field 3.

Table 179. GR (Generic Record) journal entries (continued). QASYGRJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	459	845	Field 3	Char(102)[1]	Field 3 data. For entry type F, this field contains the usage setting for a user. There is a value for this field only if the function registration operation is one of the following values: ***REGISTER:** When the operation is *REGISTER, this field contains the default usage value. The user name will be *DEFAULT. ***REREGISTER:** When the operation is *REREGISTER, this field contains the default usage value. The user name will be *DEFAULT. ***CHGUSAGE:** When the operation is *CHGUSAGE, this field contains the usage value for the user specified in the user name field. For entry type C, this field contains the result of any authorization check that was made for the operation indicated in field 1. The following are possible values: • *NOAUTHORITYCHECKED: When either the operation indicated in field 1 does not require an authorization check, or if for any other reason an authorization check was not attempted. • *AUTHORITYPASSED: When the mapped user ID indicated in the User Profile Name has successfully passed the appropriate authorization check for the operation indicated in field 1 against the resource or resource class indicated in field 2. • *AUTHORITYFAILED: When the mapped user ID indicated in the User Profile Name has failed the appropriate authorization check for the operation indicated in field 1 against the resource or resource class indicated in field 2.
	561	947	Field 4 CCSID	Binary (5)	The CCSID value for field 4.
	565	951	Field 4 Length	Binary (4)	The length of the data in field 4.

Table 179. GR (Generic Record) journal entries (continued). QASYGRJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	567	953	Field 4	Char(102)[1]	Field 4 data. For entry type F (J5 offset 610), there is a value for this field only if the function registration operation is one of the following values: ***CHGUSAGE** When the operation is *CHGUSAGE, this field contains the previous usage value for a user. ***REGISTER** When the operation is *REGISTER, this field contains the allow *ALLOBJ setting for the function. ***REREGISTER** When the operation is *REREGISTER, this field contains the allow *ALLOBJ setting for the function.
		1055	Field 5 CCSID	Binary (5)	The CCSID value for field 5.
		1059	Field 5 Length	Binary (4)	The length of the data in field 5.
		1061	Field 5	Char(102)[1]	Field 5 data. For entry type F (J5 offset 610), this field contains the previous default usage value. There is a value for this field only if the function registration operation (J5 offset 629) is *REREGISTER. The user name (J5 offset 613) will be *DEFAULT.
		1163	Field 6 CCSID	Binary (5)	The CCSID value for field 6.
		1167	Field 6 Length	Binary (4)	The length of the data in field 6.
		1169	Field 6	Char(102)[1]	Field 6 data. For entry type F (J5 offset 610), this field contains the previous allow *ALLOBJ setting for the function. There is a value for this field only if the function registration operation (J5 offset 629) is *REREGISTER.

[1] This is a variable length field. The first two bytes contain the length of the field.

GS (Give Descriptor) journal entries

This table provides the format of the GS (Give Descriptor) journal entries.

Table 180. GS (Give Descriptor) journal entries. QASYGSJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **G** Give descriptor **R** Received descriptor **U** Unable to use descriptor
157	225	611	Job Name	Char(10)	The name of the job.
167	235	621	User Name	Char(10)	The name of the user.
177	245	631	Job Number	Zoned (6,0)	The number of the job.
183	251	637	User Profile Name	Char (10)	The name of the user profile.
	261	647	JUID	Char (10)	The Job User ID of the target job. (This value applies only to subtype G audit records.)

IM (Intrusion Monitor) journal entries

This table provides the format of the IM (Intrusion Monitor) journal entries.

Table 181. IM (Intrusion Monitor) journal entries. QASYIMJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		1			Heading fields common to all entry types.
		610	Entry Type	Char(1)	The type of entry. **P** Potential intrusion event detected
		611	Time of Event	TIMESTAMP	The time that the event was detected, in SAA timestamp format.
		637	Detection Point Identifier	Char(4)	A unique identifier for the processing location that detected the intrusion event. This field is intended for use by service personnel.
		641	Local Address Family	Char(1)	Local IP address family associated with the detected event.
		642	Local Port Number	Zone(5, 0)	Local port number associated with the detected event.
		647	Local IP Address	Char(46)	Local IP address associated with the detected event.

Table 181. IM (Intrusion Monitor) journal entries (continued). QASYIMJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
		693	Remote Address Family	Char(1)	Remote address family associated with the detected event.
		694	Remote Port Number	Zoned(5, 0)	Remote port number associated with the detected event.
		699	Remote IP Address	Char(46)	Remote IP address associated with the detected event.
		745	Probe Type Identifier	Char(6)	Identifies the type of probe used to detect the potential intrusion. Possible values are as follows: **ATTACK** Attack action detected event **TR-TCP** Traffic Regulation action detected event over TCP **TR-SSL** Traffic Regulation action detected System SSL/TLS failed handshake event **TR-UDP** Traffic Regulation action detected event over UDP **SCANE** Scan event action detected event **SCANG** Scan global action detected event **XATTAC** Possible extrusion attack **XTRTCP** Outbound TR detected event (TCP) **XTRUDP** Outbound TR detected event (UDP) **XSCAN** Outbound scan event detected
		751	Event Correlator	Char(4)	Unique identifier for this specific intrusion event. This identifier can be used to correlate this audit record with other intrusion detection information.

Table 181. IM (Intrusion Monitor) journal entries (continued). QASYIMJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		755	Event type	Char(8)	Identifies the type of potential intrusion that was detected. The possible values are as follows: **ACKSTORM** TCP ACK storm **ADRPOISN** Address poisoning **FLOOD** Flood event **FRAGGLE** Fraggle attack **ICMPRED** ICMP (Internet Control Message Protocol) redirect **IPFRAG** IP fragment **MALFPKT** Malformed packet **OUTRAW** Outbound Raw **PERPECH** Perpetual echo **PNGDEATH** Ping of death **RESTOPT** Restricted IP options **RESTPROT** Restricted IP protocol **SMURF** Smurf attack
		763	Protocol	Char(3)	Protocol number
		766	Condition	Char(4)	Condition number from IDS policy file
		770	Throttling	Char(1)	• 0 = not active • 1 = active
		771	Discarded Packets	Zoned(5,0)	Number of discarded packets when throttled
		776	Target TCP/IP Stack	Char(1)	**P** Production Stack **S** Service Stack
		777	Reserved	Char(6)	Reserved for future use

Table 181. IM (Intrusion Monitor) journal entries (continued). QASYIMJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		783	Suspected Packet	Char(1002)[1]	A variable length field which can contain up to the first 1000 bytes of the IP packet associated with the detected event. This field contains binary data and should be treated as if it has a CCSID of 65535. When Probe Type Identifier (offset 745) is 'TR-SSL', this field contains a blank padded character string that indicates error information for the failing handshake. The first 2 bytes of this field contain the length of the error information. Following the length is a 6-byte character string that represents the processing location that detected the failed handshake. Following the 6-byte string is a 40-byte character string that indicates the error code that is returned on the failing handshake.

[1] This is a variable length field. The first 2 bytes contain the length of the suspected packet information.

IP (Interprocess Communication) journal entries

This table provides the format of the IP (Interprocess Communication) journal entries.

Table 182. IP (Interprocess Communication) journal entries. QASYIPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Ownership and/or authority changes **C** Create **D** Delete **F** Authority failure **G** Get **M** Shared memory attach **Z** Normal semaphore close or shared memory detach

Table 182. IP (Interprocess Communication) journal entries (continued). QASYIPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
157	225	611	IPC Type	Char(1)	IPC Type **M** Shared memory **N** Normal semaphore **Q** Message queue **S** Semaphore
158	226	612	IPC Handle	Binary(5)	IPC handle ID
162	230	616	New Owner	Char(10)	New owner of IPC entity
172	240	626	Old Owner	Char(10)	Old owner of IPC entity
182	250	636	Owner Authority	Char(3)	Owner's authority to IPC entity ***R** read ***W** write ***RW** read and write
185	253	639	New Group	Char(10)	Group associated with IPC entity
195	263	649	Old Group	Char(10)	Previous group associated with IPC entity
205	273	659	Group Authority	Char(3)	Group's authority to IPC entity ***R** read ***W** write ***RW** read and write
208	276	662	Public Authority	Char(3)	Public's authority to IPC entity ***R** read ***W** write ***RW** read and write
211	279	665	CCSID Semaphore Name	Binary(5)	The CCSID of the semaphore name.
216	283	669	Length Semaphore Name	Binary(4)	The length of the semaphore name.
218	285	671	Semaphore Name	Char(2050)	The semaphore name. **Note:** This is a variable length field. The first two characters contain the length of the semaphore name.

IR (IP Rules Actions) journal entries

This table provides the format of the IR (IP Rules Actions) journal entries.

Table 183. IR (IP Rules Actions) journal entries. QASYIRJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592 and "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594 for field listing.
	224	610	Entry Type	Char(1)	The type of entry. **L** IP rules have been loaded from a file. **N** IP rules have been unloaded for an IP Security connection **P** IP rules have been loaded for an IP Security connection **R** IP rules have been read and copied to a file. **U** IP rules have been unloaded (removed).
	225	611	File Name	Char(10)	The name of the QSYS file used to load or receive the IP rules. This value is blank if the file used was not in the QSYS file system.
	235	621	File Library	Char(10)	The name of the QSYS file library.
	245	631	Reserved	Char(18)	
	263	649	File Name Length	Binary (4)	The length of the file name.
	265	651	File Name CCSID[1]	Binary (5)	The coded character set identifier for the file name.
	269	655	File Country or Region ID[1]	Char(2)	The Country or Region ID for the file name.
	271	657	File Language ID[1]	Char(3)	The language ID for the file name.
	274	660	Reserved	Char(3)	
	277	663	Parent File ID[1, 2]	Char(16)	The file ID of the parent directory.
	293	679	Object File ID[1, 2]	Char(16)	The file ID of the file.
	309	695	File Name[1]	Char(512)	The name of the file.
	821	1207	Connection sequence	Char(40)	The connection name.
	861	1247	Object File ID	Char(16)	The file ID of the object.
	877	1263	ASP Name	Char(10)	The name of the ASP device.
	887	1273	ASP Number[5]	Char(5)	The number of the ASP device.

Table 183. IR (IP Rules Actions) journal entries (continued). QASYIRJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	892	1278	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	896	1282	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	898	1284	Path Name Language ID	Char(3)	The language ID for the path name.
	901	1287	Path Name Length	Binary(4)	The length of the path name.
	903	1289	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	904	1290	Relative Directory File ID[3]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]
	920	1306	Path Name[4]	Char(5002)	The path name of the object.

[1] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file system.

[2] If the ID has the left-most bit set and the rest of the bits zero, the ID is not set.

[3] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.

[4] This is a variable length field. The first two bytes contain the length of the field.

[5] If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.

IS (Internet Security Management) journal entries

This table provides the format of the IS (Internet Security Management) journal entries.

Table 184. IS (Internet Security Management) journal entries. QASYISJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592 and "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594 for field listing.

Table 184. IS (Internet Security Management) journal entries (continued). QASYISJ4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
	224	610	Entry Type	Char(1)	The type of entry. **A** Fail (this type no longer used) **C** Normal (this type no longer used) **U** Mobile User (this type no longer used) **1** IKE Phase 1 SA Negotiation **2** IKE Phase 2 SA Negotiation
	225	611	Local IP Address[1]	Char(15)	Local IP Address.
	240	626	Local Client ID Port	Char(5)	Local Client ID port.
	245	631	Remote IP Address[1]	Char (15)	Remote IP address.
	260	646	Remote Client ID Port	Char (5)	Remote Client ID Port (valid for phase 2).
	265	651	Local IP Address Family	Char (1)	Local IP address family **4** IPv4 **6** IPv6
		652	Local IP Address	Char (46)	Local IP address
		698	Remote IP Address Family	Char (1)	Remote IP address family **4** IPv4 **6** IPv6
		699	Remote IP Address	Char (46)	Remote IP address
		745	IKE Version	Char(4)	IKE version
		749	Reserved	Char(158)	Reserved
	521	907	Result Code	Char(4)	Negotiation Result: **0** Successful **1–30** Protocol specific errors (documented in ISAKMP RFC2408, found at: http://www.ietf.org) **82xx** IBM i VPN Key Manager specific errors
	525	911	CCSID	Bin(5)	The coded character set identifier for the following fields: • Local ID • Local Client ID Value • Remote ID • Remote Client ID Value
	529	915	Local ID	Char(256)	Local IKE identifier

Table 184. IS (Internet Security Management) journal entries (continued). QASYISJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	785	1171	Local Client ID Type	Char(2)	Type of client ID (valid for phase 2): **1** IP version 4 address **2** Fully qualified domain name **3** User fully qualified domain name **4** IP version 4 subnet **5** IP version 6 address **6** IP version 6 subnet **7** IP version 4 address range **8** IP version 6 address range **9** Distinguished name **11** Key identifier
	787	1173	Local Client ID Value	Char(256)	Local client ID (valid for phase 2)
	1043	1429	Local Client ID Protocol	Char(4)	Local client ID protocol (valid for phase 2)
	1047	1433	Remote ID	Char(256)	Remote IKE identifier
	1303	1689	Remote Client ID Type	Char(2)	Type of client ID (valid for phase 2) **1** IP version 4 address **2** Fully qualified domain name **3** User fully qualified domain name **4** IP version 4 subnet **5** IP version 6 address **6** IP version 6 subnet **7** IP version 4 address range **8** IP version 6 address range **9** Distinguished name **11** Key identifier
	1305	1691	Remote Client ID Value	Char(256)	Remote client ID (valid for phase 2)
	1561	1947	Remote Client ID Protocol	Char(4)	Remote client ID protocol (valid for phase 2)

[1] This field only supports IPv4 addresses.

JD (Job Description Change) journal entries

This table provides the format of the JD (Job Description Change) journal entries.

Table 185. JD (Job Description Change) journal entries. QASYJDJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** User profile specified for the USER parameter of a job description
157	225	611	Job Description	Char(10)	The name of the job description that had the USER parameter changed.
167	235	621	Library Name	Char(10)	The name of the library where the object is stored.
177	245	631	Object Type	Char(8)	The type of object.
185	253	639	Command Type	Char(3)	The type of command used. **CHG** Change Job Description (CHGJOBD) command. **CRT** Create Job Description (CRTJOBD) command.
188	256	642	Old User	Char(10)	The name of the user profile specified for the USER parameter before the job description was changed.
198	266	652	New User	Char(10)	The name of the USER profile specified for the user parameter when the job description was changed.
		662	ASP name	Char(10)	ASP name for JOBD library
		672	ASP number	Char(5)	ASP number for JOBD library

JS (Job Change) journal entries

This table provides the format of the JS (Job Change) journal entries.

Table 186. JS (Job Change) journal entries. QASYJSJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** ENDJOBABN command **B** Submit **C** Change **E** End **H** Hold **I** Disconnect **J** The current job is attempting to interrupt another job **K** The current job is about to be interrupted **L** The interruption of the current job has completed **M** Change profile or group profile **N** ENDJOB command **P** Attach prestart or batch immediate job **Q** Change query attributes **R** Release **S** Start **T** Change profile or group profile using a profile token. **U** CHGUSRTRC **V** Virtual device changed by QWSACCDS API.

Table 186. JS (Job Change) journal entries (continued). QASYJSJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
157	225	611	Job Type	Char(1)	The type of job. **A** Autostart **B** Batch **I** Interactive **M** Subsystem monitor **R** Reader **S** System **W** Writer **X** SCPF
158	226	612	Job Subtype	Char(1)	The subtype of the job. **' '** No subtype **D** Batch immediate **E** Procedure start request **J** Prestart **P** Print device driver **Q** Query **T** MRT **U** Alternate spool user
159	227	613	Job Name	Char(10)	The first part of the qualified job name being operated on
169	237	623	Job User Name	Char(10)	The second part of the qualified job name being operated on
179	247	633	Job Number	Char(6)	The third part of the qualified job name being operated on
185	253	639	Device Name	Char(10)	The name of the device
195	263	649	Effective User Profile[2]	Char(10)	The name of the effective user profile for the thread
205	273	659	Job Description Name	Char(10)	The name of the job description for the job
215	283	669	Job Description Library	Char(10)	The name of the library for the job description
225	293	679	Job Queue Name	Char(10)	The name of the job queue for the job
235	303	689	Job Queue Library	Char(10)	The name of the library for the job queue
245	313	699	Output Queue Name	Char(10)	The name of the output queue for the job
255	323	709	Output Queue Library	Char(10)	The name of the library for the output queue
265	333	719	Printer Device	Char(10)	The name of the printer device for the job
275	343	729	Library List[2]	Char(430)	The library list for the job

Table 186. JS (Job Change) journal entries (continued). QASYJSJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
705	773	1159	Effective Group Profile Name[2]	Char(10)	The name of the effective group profile for the thread
715	783	1169	Supplemental Group Profiles[2]	Char(150)	The names of the supplemental group profiles for the thread.
	933	1319	JUID Description	Char(1)	Describes the meaning of the JUID field: **' '** The JUID field contains the value for the JOB. **C** The clear JUID API was called. The JUID field contains the new value. **S** The set JUID API was called. The JUID field contains the new value.
	934	1320	JUID Field	Char(10)	Contains the JUID value
	944	1330	Real User Profile	Char(10)	The name of the real user profile for the thread.
	954	1340	Saved User Profile	Char(10)	The name of the saved user profile for the thread.
	964	1350	Real Group Profile	Char(10)	The name of the real group profile for the thread.
	974	1360	Saved Group Profile	Char(10)	The name of the saved group profile for the thread.
	984	1370	Real User Changed[3]	Char(1)	The real user profile was changed. **Y** Yes **N** No
	985	1371	Effective User Changed[3]	Char(1)	The effective user profile was changed. **Y** Yes **N** No
	986	1372	Saved User Changed[3]	Char(1)	The saved user profile was changed **Y** Yes **N** No
	987	1373	Real Group Changed[3]	Char(1)	The real group profile was changed. **Y** Yes **N** No
	988	1374	Effective Group Changed[3]	Char(1)	The effective group profile was changed **Y** Yes **N** No
	989	1375	Saved Group Changed[3]	Char(1)	The saved group profile was changed. **Y** Yes **N** No

Table 186. JS (Job Change) journal entries (continued). QASYJSJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
	990	1376	Supplemental Groups Changed[3]	Char(1)	The supplemental group profiles were changed. **Y** Yes **N** No
	991	1377	Library list Number[4]	Bin(4)	The number of libraries in the library list extension field (offset 993).
	993	1379	Library List Extension[4,5]	Char(2252)	The extension to the library list for the job.
		3631	Library ASP group	Char(10)	Library ASP group
		3641	ASP name	Char(10)	ASP name for JOBD library
		3651	ASP number	Char(5)	ASP number for JOBD library
		3656	Time Zone Name	Char(10)	The time zone description name
		3666	Exit Job Name or Workload Capping Group Name[6, 7, 8]	Char(10)	Can contain any of the following values: • The name of the job that interrupted the current job • The name of the job that was interrupted by the current job • The name of the workload capping group associated with the job
		3676	Exit Job User	Char(10)	The user of the job that interrupted the current job, or the user of the job that was interrupted by the current job
		3686	Exit Job Number[6, 7]	Char(6)	The number of the job that interrupted the current job, or the job number of the job that was interrupted by the current job
		3692	Exit Program Name[6]	Char(10)	The exit program used to interrupt the job
		3702	Exit Program Library[6]	Char(10)	The library name of the exit program used to interrupt the job
		3712	JOBQ Library ASP Name	Char(10)	ASP name for JOBQ library
		3722	JOBQ Library ASP Number	Char(5)	ASP numer of JOBQ library

Table 186. JS (Job Change) journal entries (continued). QASYJSJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
[1]	This field is blank if the job is on the job queue and has not run.				
[2]	When the JS audit record is generated because one job performs an operation on another job then this field will contain data from the initial thread of the job that is being operated on. In all other cases, the field will contain data from the thread that performed the operation.				
[3]	This field is used only when entry type (offset 610) is M or T.				
[4]	This field is used only if the number of libraries in the library list exceeds the size of the field at offset 729.				
[5]	This is a variable length field. The first two bytes contain the length of the data in the field.				
[6]	This field is used only when entry type (offset 610) is J, K, or L.				
[7]	When the entry type is J, this field contains information about the job that will be interrupted. When the entry type is K or L, this field contains information about the job that requested the interruption of the current job.				
[8]	When the entry type is C, E, or S, this field contains the Workload Capping Group Name.				

KF (Key Ring File) journal entries

This table provides the format of the KF (Key Ring File) journal entries.

Table 187. KF (Key Ring File) journal entries. QASYKFJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592 and "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594 for field listing.
	224	610	Entry Type	Char(1)	The type of entry. **C** Certificate operation **K** Key ring file operation **P** Password incorrect **T** Trusted root operation
	225	611	Certificate Operation	Char(3)	Type of action[4]. **ADK** Certificate with private key added **ADD** Certificate added **REQ** Certificate requested **SGN** Certificate signed

Table 187. KF (Key Ring File) journal entries (continued). QASYKFJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	228	614	Key Ring Operation	Char(3)	Type of action[5]. **ADD** Key ring pair added **DFT** Key ring pair designated as default. **EXP** Key ring pair exported **IMP** Key ring pair imported **LST** List the key ring pair labels in a file **PWD** Change key ring file password **RMV** Key ring pair removed **INF** Key ring pair information retrieval **2DB** Key ring file converted to key database file format **2YR** Key database file converted to key ring file
	231	617	Trusted Root Operation	Char(3)	Type of action[6]. **TRS** Key ring pair designated as trusted root **RMV** Trusted root designation removed **LST** List trusted roots
	234	620	Reserved	Char(18)	
	252	638	Object Name Length	Binary(4)	Key ring file name length.
	254	640	Object Name CCSID	Binary(5)	Key ring file name CCSID.
	258	644	Object Name Country or Region ID	Char(2)	Key ring file name Country or Region ID.
	260	646	Object Name Language ID	Char(3)	Key ring file name language ID.
	263	649	Reserved	Char(3)	
	266	652	Parent File ID	Char(16)	Key ring parent directory file ID.
	282	668	Object File ID	Char(16)	Key ring directory file name.
	298	684	Object Name	Char(512)	Key ring file name.
	810	1196	Reserved	Char(18)	
	828	1214	Object Name length	Binary(4)	Source or destination file name length.
	830	1216	Object Name CCSID	Binary(5)	Source or destination file name CCSID.
	834	1220	Object Name Country or Region ID	Char(2)	Source or destination file name Country or Region ID.
	836	1222	Object Name Language ID	Char(3)	Source or destination file name language ID.

Table 187. KF (Key Ring File) journal entries (continued). QASYKFJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	839	1225	Reserved	Char(3)	
	842	1228	Parent File ID	Char(16)	Source or destination parent directory file ID.
	858	1244	Object File ID	Char(16)	Source or destination directory file ID.
	874	1260	Object Name	Char(512)	Source or destination file name.
	1386	1772	Certificate Label Length	Binary(4)	The length of the certificate label.
	1388	1774	Certificate Label[1]	Char(1026)	The certificate label.
	2414	2800	Object File ID	Char(16)	The file ID of the key ring file.
	2430	2816	ASP Name	Char(10)	The name of the ASP device.
	2440	2826	ASP Number	Char(5)	The number of the ASP device.
	2445	2831	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	2449	2835	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	2451	2837	Path Name Language ID	Char(3)	The language ID for the path name.
	2454	2840	Path Name Length	Binary(4)	The length of the path name.
	2456	2842	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the key ring file. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	2457	2843	Relative Directory File ID[2]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[2]
	2473	2859	Absolute Path Name[1]	Char(5002)	The absolute path name of the key ring file.
	7475	7861	Object File ID	Char(16)	The file ID of the source or destination file.
	7491	7877	ASP Name	Char(10)	Source or destination file ASP name
	7501	7887	ASP Number	Char(5)	Source or destination file ASP number
	7506	7892	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	7510	7896	Path name Country or Region ID	Char(2)	The Country or Region ID for the path name.

Table 187. KF (Key Ring File) journal entries (continued). QASYKFJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	7512	7898	Path Name Language ID	Char(3)	The language ID for the path name.
	7515	7901	Path Name Length	Binary(4)	The length of the path name.
	7517	7903	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the source or destination file. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	7518	7904	Relative Directory File ID[3]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[2]
	7534	7920	Absolute Path Name[1]	Char(5002)	The absolute path name of the source or destination file.

[1] This is a variable length field. The first 2 bytes contain the length of the path name.

[2] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.

[3] When the path name indicator (offset 7517) is N, this field will contain the relative file ID of the absolute path name at offset 7534. When the path name indicator is Y, this field will contain 16 bytes of hex zeros.

[4] The field will be blanks when it is not a certificate operation.

[5] The field will be blanks when it is not a key ring file operation.

[6] The field will be blanks when it is not a trusted root operation.

LD (Link, Unlink, Search Directory) journal entries

This table provides the format of the LD (Link, Unlink, Search Directory) journal entries.

Table 188. LD (Link, Unlink, Search Directory) journal entries. QASYLDJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.

Table 188. LD (Link, Unlink, Search Directory) journal entries (continued). QASYLDJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
156	224	610	Entry Type	Char(1)	The type of entry. **L** Link directory **U** Unlink directory **K** Search directory
157			(Reserved area)	Char(20)	
	225	611	(Reserved area)	Char(18)	
	243	629	Object Name Length [1]	Binary (4)	The length of the object name.
177	245	631	Object Name CCSID[1]	Binary(5)	The coded character set identifier for the object name.
181	249	635	Object Name Country or Region ID[1]	Char(2)	The Country or Region ID for the object name.
183	251	637	Object Name Language ID[1]	Char(3)	The language ID for the object name.
186	254	640	(Reserved area)	Char(3)	
189	257	643	Parent File ID[1,2]	Char(16)	The file ID of the parent directory.
205	273	659	Object File ID[1,2]	Char(16)	The file ID of the object.
221	289	675	Object Name[1]	Char(512)	The name of the object.
	801	1187	Object File ID	Char(16)	The file ID of the object.
	817	1203	ASP Name	Char(10)	The name of the ASP device.
	827	1213	ASP Number	Char(5)	The number of the ASP device.
	832	1218	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	836	1222	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	838	1224	Path Name Language ID	Char(3)	The language ID for the path name.
	841	1227	Path Name Length	Binary(4)	The length of the path name.

Table 188. LD (Link, Unlink, Search Directory) journal entries (continued). QASYLDJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	843	1229	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	844	1230	Relative Direcotry File ID[1]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[1]
	860	1246	Path Name[2]	Char(5002)	The path name of the object.

[1] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.

[2] This is a variable length field. The first 2 bytes contain the length of the path name.

ML (Mail Actions) journal entries

This table provides the format of the ML (Mail Actions) journal entries.

Table 189. ML (Mail Actions) journal entries. QASYMLJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **O** Mail log opened
157	225	611	User Profile	Char(10)	User profile name.
167	235	621	User ID	Char(8)	User identifier
175	243	629	Address	Char(8)	User address

NA (Attribute Change) journal entries

This table provides the format of the NA (Attribute Change) journal entries.

Table 190. NA (Attribute Change) journal entries. QASYNAJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Change to network attribute. **T** Change to TCP/IP attribute.
157	225	611	Attribute	Char(10)	The name of the attribute.
167	235	621	New Attribute Value	Char(250)	The value of the attribute after it was changed.
417	485	871	Old Attribute Value	Char(250)	The value of the attribute before it was changed.

ND (APPN Directory Search Filter) journal entries

This table provides the format of the ND (APPN Directory Search Filter) journal entries.

Table 191. ND (APPN Directory Search Filter) journal entries. QASYNDJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Directory search filter violation
157	225	611	Filtered control point name	Char(8)	Filtered control point name
165	233	619	Filtered control point NETID.	Char(8)	Filtered control point NETID.
173	241	627	Filtered CP location name	Char(8)	Filtered CP location name.

Table 191. ND (APPN Directory Search Filter) journal entries (continued). QASYNDJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
181	249	635	Filtered CP location NETID	Char(8)	Filtered CP location NETID.
189	257	643	Partner location name	Char(8)	Partner location name.
197	265	651	Partner location NETID	Char(8)	Partner location NETID.
205	273	659	Inbound session	Char(1)	Inbound session. **Y** This is an inbound session **N** This is not an inbound session
206	274	660	Outbound session	Char(1)	Outbound session. **Y** This is an outbound session **N** This is not an outbound session

For more information about APPN Directory Search Filter and APPN End point, see Protection of your system in an APPN and HPR environment for details.

NE (APPN End Point Filter) journal entries

This table provides the format of the NE (APPN End Point Filter) journal entries.

Table 192. NE (APPN End Point Filter) journal entries. QASYNEJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** End point filter violation
157	225	611	Local location name	Char(8)	Local location name.
165	233	619	Remote location name	Char(8)	Remote location name.
173	241	627	Remote NETID	Char(8)	Remote NETID.
181	249	635	Inbound session	Char(1)	Inbound session. **Y** This is an inbound session **N** This is not an inbound session

Table 192. NE (APPN End Point Filter) journal entries (continued). QASYNEJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
182	250	636	Outbound session	Char(1)	Outbound session. **Y** This is an outbound session **N** This is not an outbound session

For more information about APPN Directory Search Filter and APPN End point, see Protection of your system in an APPN and HPR environment for details.

OM (Object Management Change) journal entries

This table provides the format of the OM (Object Management Change) journal entries.

Table 193. OM (Object Management Change) journal entries. QASYOMJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **M** Object moved to a different library. **R** Object renamed.
157	225	611	Old Object Name	Char(10)	The old name of the object.
167	235	621	Old Library Name	Char(10)	The name of the library in which the old object resides.
177	245	631	Object Type	Char(8)	The type of object.
185	253	639	New Object Name	Char(10)	The new name of the object.
195	263	649	New Library Name	Char(10)	The name of the library to which the object was moved.
205	273		(Reserved Area)	Char(20)	
		659	Object Attribute	Char(10)	The attribute of the object.
		669	(Reserved Area)	Char(10)	
225	293	679	Office User	Char(10)	The name of the office user.
235	303	689	Old Folder or Document Name	Char(12)	The old name of the folder or document.

Table 193. OM (Object Management Change) journal entries (continued). QASYOMJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
247	315	701	(Reserved Area)	Char(8)	
255	323	709	Old Folder Path	Char(63)	The old path of the folder.
318	386	772	New Folder or Document Name	Char(12)	The new name of the folder or document.
330	398	784	(Reserved Area)	Char(8)	
338	406	792	New Folder Path	Char(63)	The new path of the folder.
401	469	855	Office on Behalf of User	Char(10)	User working on behalf of another user.
411			(Reserved Area)	Char(20)	
	479	865	(Reserved Area)	Char (18)	
	497	883	Object Name Length	Binary (4)	The length of the old object name field.
431	499	885	Object Name CCSID[1]	Binary(5)	The coded character set identifier for the object name.
435	503	889	Object Name Country or Region ID[1]	Char(2)	The Country or Region ID for the object name.
437	505	891	Object Name Language ID[1]	Char(3)	The language ID for the object name.
440	508	894	(Reserved area)	Char(3)	
443	511	897	Old Parent File ID[1,2]	Char(16)	The file ID of the old parent directory.
459	527	913	Old Object File ID[1,2]	Char(16)	The file ID of the old object.
475	543	929	Old Object Name[1]	Char(512)	The name of the old object.
987	1055	1441	New Parent File ID[1,2]	Char(16)	The file ID of the new parent directory.
1003	1071	1457	New Object Name[1, 2 ,6]	Char(512)	The new name of the object.
	1583	1969	Object File ID[1,2]	Char(16)	The file ID of the object.
	1599	1985	ASP Name[7]	Char(10)	The name of the ASP device.
	1609	1995	ASP Number[7]	Char(5)	The number of the ASP device.
	1614	2000	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.

Table 193. OM (Object Management Change) journal entries (continued). QASYOMJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1618	2004	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	1620	2006	Path Name Language ID	Char(3)	The language ID for the path name.
	1623	2009	Path Name Length	Binary(4)	The length of the path name.
	1625	2011	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	1626	2012	Relative Directory File ID[3]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]
	1642	2028	Absolute Path Name[5]	Char(5002)	The old absolute path name of the object.
	6644	7030	Object File ID	Char(16)	The file ID of the object.
	6660	7046	ASP Name[8]	Char(10)	The name of the ASP device.
	6670	7056	ASP Number[8]	Char(5)	The number of the ASP device.
	6675	7061	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	6679	7065	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	6681	7067	Path Name Language ID	Char(3)	The language ID for the path name.
	6684	7070	Path Name Length	Binary(4)	The length of the path name.
	6686	7072	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.

Table 193. OM (Object Management Change) journal entries (continued). QASYOMJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	6687	7073	Relative Directory File ID[4]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]
	6703	7089	Absolute Path Name[5]	Char(5002)	The new absolute path name of the object.

[1] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file systems.

[2] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.

[3] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.

[4] When the path name indicator (offset 6686) is N, this field will contain the relative file ID of the absolute path name at offset 6703. When the path name indicator is Y, this field will contain 16 bytes of hex zeros.

[5] This is a variable length field. The first 2 bytes contain the length of the path name.

[6] There is no associated length field for this value. The string is null padded unless it is the full 512 characters long.

[7] If the old object is in a library, this is the ASP information of the object's library. If the old object is not in a library, this is the ASP information of the object.

[8] If the new object is in a library, this is the ASP information of the object's library. If the new object is not in a library, this is the ASP information of the object.

OR (Object Restore) journal entries

This table provides the format of the OR (Object Restore) journal entries.

Table 194. OR (Object Restore) journal entries. QASYORJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **N** A new object was restored to the system. **E** An existing object was restored to the system.
157	225	611	Restored Object Name	Char(10)	The name of the restored object.
167	235	621	Restored Library Name	Char(10)	The name of the library of the restored object.

Table 194. OR (Object Restore) journal entries (continued). QASYORJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
177	245	631	Object Type.	Char(8)	The type of object.
185	253	639	Save Object Name	Char(10)	The name of the save object.
195	263	649	Save Library Name	Char(10)	The name of the library from which the object was saved.
205	273	659	Program State[1]	Char(1)	**I** An inherit state program was restored. **Y** A system state program was restored. **N** A user state program was restored.
206	274	660	System Command [2]	Char(1)	**Y** A system command was restored. **N** A user state command was restored.
207			(Reserved Area)	Char(18)	
	275	661	SETUID Mode	Char(1)	The SETUID mode indicator. **Y** The SETUID mode bit for the restored object is on. **N** The SETUID mode bit for the restored object is not on.
	276	662	SETGID Mode	Char(1)	The SETGID mode indicator. **Y** The SETGID mode bit for the restored object is on. **N** The SETGID mode bit for the restored object is not on.
	277	663	Signature Status	Char(1)	The signature status of the restored object. **B** Signature was not in IBM i format **E** Signature exists but is not verified **F** Signature does not match object content **I** Signature ignored **N** Unsignable object **S** Signature is valid **T** Untrusted signature **U** Object unsigned
	278	664	Scan attribute	Char(1)	If the file was an integrated file system object, the value of the scan attribute for that object where **Y** *YES **N** *NO **C** *CHGONLY See the CHGATR command for descriptions of these values.

Table 194. OR (Object Restore) journal entries (continued). QASYORJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	279		(Reserved Area)	Char(14)	
		665	Object Attribute	Char(10)	The attribute of the object.
		675	(Reserved Area)	Char(4)	
225	293	679	Office User	Char(10)	The name of the office user.
235	303	689	Restore DLO Name	Char(12)	The document library object name of the restored object.
247	315	701	(Reserved Area)	Char(8)	
255	323	709	Restore Folder Path	Char(63)	The folder into which the DLO was restored.
318	386	772	Save DLO Name	Char(12)	The DLO name of the saved object.
330	398	784	(Reserved Area)	Char(8)	
338	406	792	Save Folder Path	Char(63)	The folder from which the DLO was saved.
401	469	855	Office on Behalf of User	Char(10)	User working on behalf of another user.
411			(Reserved Area)	Char(20)	
	479		(Reserved Area)	Char(18)	
		865	Restore Private Authorities	Char(1)	Private authorities requested to be restored (PVTAUT(*YES) specified on restore command) **Y** PVTAUT(*YES) specified on restore command **N** PVTAUT(*NO) specified on restore command
		866	Private Authorities Saved[8]	Binary(5)	Number of private authorities saved
		870	Private Authorities Restored[8]	Binary(5) [8]	Number of private authorities restored
		874	(Reserved Area)	Char(9)	
	497	883	Object Name Length	Binary (4)	The length of the Old Object Name field.
431	499	885	Object Name CCSID[3]	Binary(5)	The coded character set identifer for the object name.

Table 194. OR (Object Restore) journal entries (continued). QASYORJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
435	503	889	Object Name Country or Region ID[3]	Char(2)	The Country or Region ID for the object name.
437	505	891	Object Name Language ID[3]	Char(3)	The language ID for the object name.
440	508	894	(Reserved area)	Char(3)	
443	511	897	Parent File ID[3,4]	Char(16)	The file ID of the parent directory.
459	527	913	Object File ID[3,4]	Char(16)	The file ID of the object.
475	543	929	Object Name[3]	Char(512)	The name of the object.
	1055	1441	Old File ID	Char(16)	The file ID for the old object.
	1071	1457	Media File ID	Char(16)	The file ID (FID) that was stored on the media file. **Note:** The FID stored on the media is the FID the object had on the source system.
	1087	1473	Object File ID	Char(16)	The file ID of the object.
	1103	1489	ASP Name[7]	Char(10)	The name of the ASP device.
	1113	1499	ASP Number[7]	Char(5)	The number of the ASP device.
	1118	1504	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	1122	1508	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	1124	1510	Path Name Language ID	Char(3)	The language ID for the path name.
	1127	1513	Path Name Length	Binary(4)	The length of the path name.
	1129	1515	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	1130	1516	Relative Directory File ID[5]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[5]
	1146	1532	Path Name[6]	Char(5002)	The path name of the object.

Table 194. OR (Object Restore) journal entries (continued). QASYORJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
[1] This field has an entry only if the object being restored is a program.					
[2] This field has an entry only if the object being restored is a command.					
[3] This field is used only for objects in the "root" (/) ,QOpenSys, and user-defined file system.					
[4] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.					
[5] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.					
[6] This is a variable length field. The first 2 bytes contain the length of the path name.					
[7] If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.					
[8] This field is zero if Restore Private Authorities (offset 865) is N.					

OW (Ownership Change) journal entries

This table provides the format of the OW (Ownership Change) journal entries.

Table 195. OW (Ownership Change) journal entries. QASYOWJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Change of object owner
157	225	611	Object Name	Char(10)	The name of the object.
167	235	621	Library Name	Char(10)	The name of the library where the object is stored.
177	245	631	Object Type	Char(8)	The type of object.
185	253	639	Old Owner	Char(10)	Old owner of the object.
195	263	649	New Owner	Char(10)	New owner of the object.
205	273	659	(Reserved Area)	Char(20)	
225	293	679	Office User	Char(10)	The name of the office user.
235	303	689	DLO Name	Char(12)	The name of the document library object.
247	315	701	(Reserved Area)	Char(8)	
255	323	709	Folder Path	Char(63)	The path of the folder.

Table 195. OW (Ownership Change) journal entries (continued). QASYOWJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
318	386	772	Office on Behalf of User	Char(10)	User working on behalf of another user.
328			(Reserved Area)	Char(20)	
	396	782	(Reserved Area)	Char(18)	
	414	800	Object Name Length	Binary (4)	The length of the new object name.
348	416	802	Object Name CCSID[1]	Binary(5)	The coded character set identifier for the object name.
352	420	806	Object Name Country or Region ID[1]	Char(2)	The Country or Region ID for the object name.
354	422	808	Object Name Language ID[1]	Char(3)	The language ID for the object name.
357	425	811	(Reserved area)	Char(3)	
360	428	814	Parent File ID[1,2]	Char(16)	The file ID of the parent directory.
376	444	830	Object File ID[1,2]	Char(16)	The file ID of the object.
392	460	846	Object Name[1]	Char(512)	The name of the object.
	972	1358	Object File ID	Char(16)	The file ID of the object.
	988	1374	ASP Name[5]	Char(10)	The name of the ASP device.
	998	1384	ASP Number[5]	Char(5)	The number of the ASP device.
	1003	1389	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	1007	1393	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	1009	1395	Path Name Language ID	Char(3)	The language ID for the path name.
	1012	1398	Path Name Length	Binary(4)	The length of the path name.
	1014	1400	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and may be used to form an absolute path name with this relative path name.

Table 195. OW (Ownership Change) journal entries (continued). QASYOWJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1015	1401	Relative Directory File ID[3]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]
	1031	1417	Path Name[4]	Char(5002)	The path name of the object.

[1] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file system.

[2] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.

[3] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.

[4] This is a variable length field. The first 2 bytes contain the length of the path name.

[5] If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.

O1 (Optical Access) journal entries

This table provides the format of the O1 (Optical Access) journal entries.

Table 196. O1 (Optical Access) journal entries. QASY01JE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	R-Read U-Update D-Delete C-Create Dir X-Release Held File
157	225	611	Object Type	Char(1)	F-File D-Directory End S-Storage
158	226	612	Access Type	Char(1)	D-File Data A-File Directory Attributes R-Restore operation S-Save operation
159	227	613	Device Name	Char(10)	Library LUD name

Table 196. O1 (Optical Access) journal entries (continued). QASY01JE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
169	237	623	CSI Name	Char(8)	Side Object Name
177	245	631	CSI Library	Char(10)	Side Object Library
187	255	641	Volume Name	Char(32)	Optical volume name
219	287	673	Object Name	Char(256)	Optical directory/file name
		929	ASP name	Char(10)	ASP name for CSI library
		939	ASP number	Char(5)	ASP number for CSI library

Note: This entry is used to audit the following optical functions:

- Open File or Directory
- Create Directory
- Delete File Directory
- Change or Retrieve Attributes
- Release Held Optical File

O2 (Optical Access) journal entries

This table provides the format of the O2 (Optical Access) journal entries.

Table 197. O2 (Optical Access) journal entries. QASY02JE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	C-Copy R-Rename B-Backup Dir or File S-Save Held File M-Move File
157	225	611	Object Type	Char(1)	F-File D-Directory
158	226	612	Src Device Name	Char(10)	Source library LUD name
168	236	622	Src CSI Name	Char(8)	Source Side Object Name
176	244	630	Src CSI Library	Char(10)	Source Side Object Library
186	254	640	Src Volume Name	Char(32)	Source Optical volume name

Table 197. O2 (Optical Access) journal entries (continued). QASY02JE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
218	286	672	Src Obj Name	Char(256)	Source Optical directory/file name
474	542	928	Tgt Device Name	Char(10)	Target library LUD name
484	552	938	Tgt CSI Name	Char(8)	Target Side Object Name
492	560	946	Tgt CSI Library	Char(10)	Target Side Object Library
502	570	956	Tgt Volume Name	Char(32)	Target Optical volume name
534	602	988	Tgt Obj Name	Char(256)	Target Optical directory/file name
		1244	ASP name	Char(10)	ASP name for source CSI library
		1254	ASP number	Char(5)	ASP number for source CSI library
		1259	ASP name for target CSI library	Char(10)	ASP name for target CSI library
		1269	ASP number for target CSI library	Char(5)	ASP number for target CSI library

O3 (Optical Access) journal entries

This table provides the format of the O3 (Optical Access) journal entries.

Table 198. O3 (Optical Access) journal entries. QASY03JE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for the field listing.
156	224	610	Entry Type	Char(1)	**A** Change Volume Attributes **B** Backup Volume **C** Convert Backup Volume to Primary **E** Export **I** Initialize **K** Check Volume **L** Change Authorization List **M** Import **N** Rename **R** Absolute Read

Table 198. O3 (Optical Access) journal entries (continued). QASY03JE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
157	225	611	Device Name	Char(10)	Library LUD name
167	235	621	CSI Name	Char(8)	Side Object Name
175	243	629	CSI Library	Char(10)	Side Object Library
185	253	639	Old Volume Name	Char(32)	Old Optical volume name
217	285	671	New Volume Name [1]	Char(32)	New Optical volume name
249	317	703	Old Auth List [2]	Char(10)	Old Authorization List
259	327	713	New Auth List [3]	Char(10)	New Authorization List
269	337	723	Address [4]	Binary(5)	Starting Block
273	341	727	Length [4]	Binary(5)	Length read
		731	ASP name	Char(10)	ASP name for CSI library
		741	ASP number	Char(5)	ASP number for CSI library

[1] This field contains the new volume name for Initialize, Rename, and Convert functions; it contains the backup bolume name for Backup functions. It contains volume name for Import, Export, Change Authorization List, Change Volume Attributes, and Sector Read.

[2] Used for Import, Export, and Change Authorization List only.

[3] Used for Change Authorization List only.

[4] Used for Sector Read only.

PA (Program Adopt) journal entries

This table provides the format of the PA (Program Adopt) journal entries.

Table 199. PA (Program Adopt) journal entries. QASYPAJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Change program to adopt owner's authority. **J** Java program adopts owner's authority. **M** Change object's SETUID, SETGID, or Restricted rename and unlink mode indicator.

Table 199. PA (Program Adopt) journal entries (continued). QASYPAJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
157	225	611	Program Name[3]	Char(10)	The name of the program.
167	235	621	Program Library[3]	Char(10)	The name of the library where the program is found.
177	245	631	Object Type	Char(8)	The type of object.
185	253	639	Owner	Char(10)	The name of the owner.
	263		Reserved	Char(18)	
		649	ISVTX mode	Char(1)	The current restricted rename and unlink (ISVTX) mode indicator. **Y** The ISVTX mode indicator is on for the object. **N** The ISVTX mode indicator is not on for the object.
		650	Previous ISVTX mode	Char(1)	The previous restricted rename and unlink (ISVTX) mode indicator. **Y** The ISVTX mode indicator was on for the object. **N** The ISVTX mode indicator was not on for the object.
		651	Previous SETUID Mode	Char(1)	The previous Set effective user ID (SETUID) mode indicator. **Y** The SETUID mode bit was on for the object. **N** The SETUID mode bit was not on for the object.
		652	Previous SETGID Mode	Char(1)	The previous Set effective group ID (SETGID) mode indicator. **Y** The SETGID mode bit was on for the object. **N** The SETGID mode bit was not on for the object.
		653	Reserved	Char(14)	
	281	667	Object Name Length[1]	Binary (4)	The length of the object name.
	283	669	Object Name CCSID[1]	Binary(5)	The coded character set identifier for the object name.
	287	673	Object Name Country or Region ID	Char(2)	The Country or Region ID for the object name.
	289	675	Object Name Language ID[1]	Char(3)	The language ID for the object name.
	292	678	Reserved	Char(3)	
	295	681	Parent ID[1, 2, 3]	Char(16)	Parent File ID.
	311	697	Object File ID [3]	Char(16)	File ID for the object
	327	713	Object Name[1]	Char(512)	Object name for the object.

Table 199. PA (Program Adopt) journal entries (continued). QASYPAJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	839	1225	SETUID Mode	Char(1)	The current Set effective user ID (SETUID) mode indicator. **Y** The SETUID mode bit is on for the object. **N** The SETUID mode bit is not on for the object.
	840	1226	SETGID Mode	Char(1)	The current Set effective group ID (SETGID) mode indicator. **Y** The SETGID mode bit is on for the object. **N** The SETGID mode bit is not on for the object.
	841	1227	Primary Group Owner	Char(10)	The name of the primary group owner.
	851	1237	Object File ID	Char(16)	The file ID of the object.
	867	1253	ASP Name[6]	Char(10)	The name of the ASP device.
	877	1263	ASP Number[6]	Char(5)	The number of the ASP device.
	882	1268	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	886	1272	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	888	1274	Path Name Language ID	Char(3)	The language ID for the path name.
	891	1277	Path Name Length	Binary(4)	The length of the path name.
	893	1279	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	894	1280	Relative Directory File ID[4]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[4]
	910	1296	Path Name[5]	Char(5002)	The path name of the object.

Table 199. PA (Program Adopt) journal entries (continued). QASYPAJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
[1] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file systems.					
[2] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.					
[3] When the entry type is J, the program name and the library name fields will contain *N. In addition, the parent file ID and the object file ID fields will contain binary zeros.					
[4] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.					
[5] This is a variable length field. The first 2 bytes contain the length of the path name.					
[6] If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.					

PF (PTF Operations) journal entries

This table provides the format of the PF (PTF Operations) journal entries.

Table 200. PF (PTF Operations) journal entries. QASYPFJ5 Field Description File

Offset	Field	Format	Description
J5			
1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592 for field listing.
610	Entry Type	Char(1)	The type of entry. **P** PTF operations **L** PTF product(s) operation **I** PTF IPL operation

Table 200. PF (PTF Operations) journal entries (continued). QASYPFJ5 Field Description File

Offset J5	Field	Format	Description
611	Entry Action	Char(4)	The type of action. When entry type (J5 offset 610) is P this field can contain: **LOGF** PTF logged **LOAD** PTF loaded **SUPR** PTF superseded **TAPY** PTF temporarily applied **PAPY** PTF permanently applied **TRMV** PTF temporarily removed **PRMV** PTF permanently removed **DAMG** PTF damaged **PDLT** PTF deleted **EXTS** PTF exit program started **EXTE** PTF exit program ended When entry type (J5 offset 610) is L this field can contain: **REST** Product restored/installed **SAVE** Product saved **DELT** Product deleted **SYNC** User called QPZSYNC **GOPT** GO PTF option 7 or 8 invoked **INSP** INSPTF command invoked When entry type (J5 offset 610) is I this field can contain: **IPLU** Unattended IPL performed **IPLA** Attended IPL performed
615	IPL Action for PTF	Char(4)	Action to take for PTF on the next IPL. This field will only contain data when entry type (J5 offset 610) is P and entry action (J5 offset 611) is not EXTS or EXTE. **NONE** No IPL action taken **ATMP** Apply temporarily at IPL **APRM** Apply permanently at IPL **RTMP** Remove temporarily at IPL **RPRM** Remove permanently at IPL **ATTP** Apply temporarily then permanently at IPL **RTTP** Remove temporarily then permanently at IPL

Table 200. PF (PTF Operations) journal entries (continued). QASYPFJ5 Field Description File

Offset J5	Field	Format	Description
619	Product ID	Char(7)	Product ID or one of the values listed below. This field will only contain data when entry type (J5 offset 610) is P or L. ***ALL** All products ***FMW** Firmware ***LIST** List of products
626	Product VRM	Char(6)	Product version, release, modification in format vvrrmm or *ONLY. This field will only contain data when entry type (J5 offset 610) is P or L.
632	PTF ID	Char(7)	PTF identifier. This field will only contain data when entry type (J5 offset 610) is P.
639	Product Option	Char(4)	Product option or *ALL. This field will only contain data when entry type (J5 offset 610) is P or L and entry action (J5 offset 611) is not LOGF, PDLT, or SYNC.
643	Product Load	Char(4)	Product load identifier or *ALL. This field will only contain data when entry type (J5 offset 610) is P or L and entry action (J5 offset 611) is not LOGF, PDLT, or SYNC.
647	PTF Minimum Level	Char(2)	PTF minimum level. This field will only contain data when entry type (J5 offset 610) is P and entry action (J5 offset 611) is not LOGF or PDLT.
649	PTF Maximum Level	Char(2)	PTF maximum level. This field will only contain data when entry type (J5 offset 610) is P and entry action (J5 offset 611) is not LOGF or PDLT.
651	Product Library	Char(10)	Product library or one of the values listed below. This field will only contain data when entry type (J5 offset 610) is P or L and entry action (J5 offset 611) is not LOGF or PDLT. ***ALL** All product libraries ***FMW** Firmware
661	Action Pending	Char(1)	Action pending for PTF. This field will only contain data when entry type (J5 offset 610) is P and entry action (J5 offset 611) is not EXTS or EXTE. **N** No action pending for PTF **Y** Action pending for PTF
662	Superseded-by PTF	Char(7)	Superseded-by PTF ID. This field will only contain data when entry type (J5 offset 610) is P and entry action (J5 offset 611) is SUPR.
669	PTF Exit Program	Char(10)	PTF exit program name. This field will only contain data when entry type (J5 offset 610) is P and entry action (J5 offset 611) is EXTS or EXTE.
679	PTF Exit Program Library	Char(10)	PTF exit program library name. This field will only contain data when entry type (J5 offset 610) is P and entry action (J5 offset 611) is EXTS or EXTE.

Table 200. PF (PTF Operations) journal entries (continued). QASYPFJ5 Field Description File

Offset J5	Field	Format	Description
689	PTF Exit Action	Char(1)	PTF exit program action. This field will only contain data when entry type (J5 offset 610) is P and entry action (J5 offset 611) is EXTS or EXTE. **0** Remove temporarily **1** Apply temporarily **2** Apply permanently **3** Remove permanently **4** Pre-remove temporarily **5** Pre-apply temporarily **6** Pre-apply permanently **7** Pre-remove permanently
690	QPZSYNC Parameter One	Char(1)	QPZSYNC function first parameter. This field will only contain data when entry type (J5 offset 610) is L and entry action (J5 offset 611) is SYNC.
691	Install Apply Type	Char(10)	PTF install apply type. This field will only contain data when entry type (J5 offset 610) is L and entry action (J5 offset 611) is GOPT or INSP. ***DLYIPL** Mark PTFs for delayed apply and IPL ***DLYALL** Mark PTFs for delayed apply ***IMMDLY** Apply immediate PTFs and mark delayed PTFS for delayed apply ***IMMONLY** Only apply immediate PTFs
701	Device Name	Char(10)	PTF install device name or one of the values listed below. This field will only contain data when entry type (J5 offset 610) is L and entry action (J5 offset 611) is GOPT or INSP. ***SERVICE** Install PTFs received from service support system ***NONE** No PTFs are loaded, PTFs already loaded are applied
711	Image Catalog	Char(10)	PTF install image catalog name or one of the values listed below. This field will only contain data when entry type (J5 offset 610) is L and entry action (J5 offset 611) is GOPT or INSP. ***NONE** No image catalog ***NETOPT** Network Optical ***RMTDEV** Remote device

Table 200. PF (PTF Operations) journal entries (continued). QASYPFJ5 Field Description File

Offset J5	Field	Format	Description
721	Prompt for Media	Char(10)	PTF install prompt for media. This field will only contain data when entry type (J5 offset 610) is L and entry action (J5 offset 611) is GOPT or INSP. ***SNGVOLSET** Prompt for volumes in single volume set ***MLTVOLSET** Prompt for volumes in multiple volume sets ***MLTSRV** Prompt for volumes in multiple volume sets then load from *SERVICE
731	Copy PTFs	Char(1)	Copy PTF save files and cover letters into *SERVICE on PTF install. This field will only contain data when entry type (J5 offset 610) is L and entry action (J5 offset 611) is GOPT or INSP. **N** PTFs not copied **Y** PTFs copied
732	Omit PTFs	Char(1)	PTFs omitted on PTF install. This field will only contain data when entry type (J5 offset 610) is L and entry action (J5 offset 611) is GOPT or INSP. **N** PTFs not omitted **Y** PTFs omitted
733	Automatic IPL	Char(1)	Automatic IPL on PTF install. This field will only contain data when entry type (J5 offset 610) is L and entry action (J5 offset 611) is GOPT or INSP. **N** No automatic IPL **Y** Automatic IPL performed
734	IPL Restart Type	Char(5)	IPL restart type for automatic IPL on PTF install. This field will only contain data when entry type (J5 offset 610) is L and entry action (J5 offset 611) is GOPT or INSP. ***SYS** System determines how much to restart ***FULL** All parts of system, including hardware, are restarted **IPLA** IPL attributes
739	HIPER Only PTFs	Char(1)	Only HIPER PTFs loaded on PTF install. This field will only contain data when entry type (J5 offset 610) is L and entry action (J5 offset 611) is GOPT or INSP. **N** All PTFs loaded. **Y** Only HIPER PTFs loaded
740	IPL Type	Char(1)	IPL type. This field will only contain data when entry type (J5 offset 610) is I. **0** Unattended IPL **1** Attended IPL **2** IPL during operating system install

Table 200. PF (PTF Operations) journal entries (continued). QASYPFJ5 Field Description File

Offset			
J5	**Field**	**Format**	**Description**
741	Abnormal IPL	Char(1)	Abnormal IPL. This field will only contain data when entry type (J5 offset 610) is I. **N** Normal IPL **Y** Abnormal IPL
742	LIC Restored	Char(1)	LIC restored during this IPL. This field will only contain data when entry type (J5 offset 610) is I. **N** LIC not restored **Y** LIC restored
743	Restart SAG	Char(1)	Restart Shared Activation Group (SAG) during IPL after applying PTFs. This field will only contain data when entry type (J5 offset 610) is I. **N** SAG not restarted **Y** SAG restarted
744	Re-IPL LIC	Char(1)	Re-IPL of LIC requested during IPL. This field will only contain data when entry type (J5 offset 610) is I. **N** No re-IPL of LIC requested **Y** Re-IPL of LIC requested

PG (Primary Group Change) journal entries

This table provides the format of the PG (Primary Group Change) journal entries.

Table 201. PG (Primary Group Change) journal entries. QASYPGJE/J4/J5 Field Description File

Offset					
JE	**J4**	**J5**	**Field**	**Format**	**Description**
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Change primary group.
157	225	611	Object Name	Char(10)	The name of the object.
167	235	621	Object Library	Char(10)	The name of the library where the object is found.
177	245	631	Object Type	Char(8)	The type of object.
185	253	639	Old Primary Group	Char(10)	The previous primary group for the object.[5]
195	263	649	New Primary Group	Char(10)	The new primary group for the object.
					Authorities for new primary group:

Table 201. PG (Primary Group Change) journal entries (continued). QASYPGJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
205	273	659	Object Existence	Char(1)	**Y** *OBJEXIST
206	274	660	Object Management	Char(1)	**Y** *OBJMGT
207	275	661	Object Operational	Char(1)	**Y** *OBJOPR
208	276	662	Object Alter	Char(1)	**Y** *OBJALTER
209	277	663	Object Reference	Char(1)	**Y** *OBJREF
210	278	664	(Reserved Area)	Char(10)	
220	288	674	Authorization List Management	Char(1)	**Y** *AUTLMGT
221	289	675	Read Authority	Char(1)	**Y** *READ
222	290	676	Add Authority	Char(1)	**Y** *ADD
223	291	677	Update Authority	Char(1)	**Y** *UPD
224	292	678	Delete Authority	Char(1)	**Y** *DLT
225	293	679	Execute Authority	Char(1)	**Y** *EXECUTE
226	294	680	(Reserved Area)	Char(10)	
236	304	690	Exclude Authority	Char(1)	**Y** *EXCLUDE
237	305	691	Revoke Old Primary Group	Char(1)	**Y** Revoke authority for previous primary group. **' '** Do not revoke authority for previous primary group.
238	306		(Reserved Area)	Char(20)	
					Previous authorities
		692	Object Existence	Char(1)	**Y** *OBJEXIST
		693	Object Management	Char(1)	**Y** *OBJMGT
		694	Object Operational	Char(1)	**Y** *OBJOPR
		695	Object Alter	Char(1)	**Y** *OBJALTER
		696	Object Reference	Char(1)	**Y** *OBJREF
		697	Authorization List Management	Char(1)	**Y** *AUTLMGT

Table 201. PG (Primary Group Change) journal entries (continued). QASYPGJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		698	Read Authority	Char(1)	**Y** *READ
		699	Add Authority	Char(1)	**Y** *ADD
		700	Update Authority	Char(1)	**Y** *UPD
		701	Delete Authority	Char(1)	**Y** *DLT
		702	Execute Authority	Char(1)	**Y** *EXECUTE
		703	Exclude Authority	Char(1)	**Y** *EXCLUDE
		704	(Reserved Area)	Char(8)	
258	326	712	Office User	Char(10)	The name of the office user.
268	336	722	DLO Name	Char(12)	The name of the document library object or folder.
280	348	734	(Reserved Area)	Char(8)	
288	356	742	Folder Path	Char(63)	The path of the folder.
351	419	805	Office on Behalf of User	Char(10)	User working on behalf of another user.
361			(Reserved Area)	Char(20)	
	429	815	(Reserved Area)	Char(18)	
	447	833	Object Name Length[1]	Binary (4)	The length of the object name.
381	449	835	Object Name CCSID[1]	Binary(5)	The coded character set identifier for the object name.
385	453	839	Object Name Country or Region ID[1]	Char(2)	The Country or Region ID for the object name.
387	455	841	Object Name Language ID[1]	Char(3)	The language ID for the object name.
390	458	844	(Reserved area)	Char(3)	
393	461	847	Parent File ID[1,2]	Char(16)	The file ID of the parent directory.
409	477	863	Object File ID[1,2]	Char(16)	The file ID of the object.
425	493	879	Object Name[1]	Char(512)	The name of the object.
	1005	1391	Object File ID	Char(16)	The file ID of the object.
		1407	ASP Name[6]	Char(10)	The name of the ASP device.
		1417	ASP Number[6]	Char(5)	The number of the ASP device.
	1035	1422	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	1040	1426	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	1042	1428	Path Name Language ID	Char(3)	The language ID for the path name.

Table 201. PG (Primary Group Change) journal entries (continued). QASYPGJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1045	1431	Path Name Length	Binary(4)	The length of the path name.
	1047	1433	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	1048	1434	Relative Directory File ID[3]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]
	1064	1450	Path Name[4]	Char(5002)	The path name of the object.

[1] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file systems.

[2] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.

[3] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.

[4] This is a variable length field. The first 2 bytes contain the length of the path name.

[5] A value of *N implies that the value of the Old Primary Group was not available.

[6] If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.

PO (Printer Output) journal entries

This table provides the format of the PO (Printer Output) journal entries.

Table 202. PO (Printer Output) journal entries. QASYPOJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	`J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Output Type	Char(1)	The type of output. **D** Direct print **R** Sent to remote system for printing **S** Spooled file printed

Table 202. PO (Printer Output) journal entries (continued). QASYPOJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	`J4	J5			
157	225	611	Status After Printing	Char(1)	**D** Deleted after printed **H** Held after printed **R** Ready (Set by QSPSETWI API) **S** Saved after printed **' '** Direct print
158	226	612	Job Name	Char(10)	The first part of the qualified job name.
168	236	622	Job User Name	Char(10)	The second part of the qualified job name.
178	246	632	Job Number	Zoned(6,0)	The third part of the qualified job name.
184	252	638	User Profile	Char(10)	The user profile that created the output.
194	262	648	Output Queue	Char(10)	The output queue containing the spooled file.[1]
204	272	658	Output Queue Library Name	Char(10)	The name of the library containing the output queue.[1]
214	282	668	Device Name	Char(10)	The device where the output was printed[2].
224	292	678	Device Type	Char(4)	The type of printer device[2].
228	296	682	Device Model	Char(4)	The model of the printer device[2].
232	300	686	Device File Name	Char(10)	The name of the device file used to access the printer.
242	310	696	Device File Library	Char(10)	The name of the library for the device file.
252	320	706	Spooled File Name	Char(10)	The name of the spooled file [1]
262	330	716	Short Spooled File Number	Char(4)	The number of the spooled file [1]. Set to blank if too long.
266	334	720	Form Type	Char(10)	The form type of the spooled file.
276	344	730	User Data	Char(10)	The user data associated with the spooled file [1].
286			(Reserved area)	Char(20)	
	354	740	Spooled File Number	Char(6)	The number of the spooled file.
	360	746	Reserved Area	Char(14)	
306	374	760	Remote System	Char(255)	Name of the remote system to which printing was sent.
561	629	1015	Remote System Print Queue	Char(128)	The name of the output queue on the remote system.
	757	1143	Spooled File Job system Name	Char (8)	The name of the system on which the spooled file resides.
	765	1151	Spooled File Create Date	Char (7)	The spooled file create date (CYYMMDD)
	772	1158	Spooled File Create Time	Char(6)	The spooled file create time (HHMMSS).

Table 202. PO (Printer Output) journal entries (continued). QASYPOJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	`J4	J5			
		1164	ASP Name	Char(10)	ASP name for the device library
		1174	ASP number	Char(5)	ASP number for device file library
		1179	Output Queue ASP Name	Char(10)	ASP name for output queue library.
		1189	Output Queue ASP Number	Char(5)	ASP number for output queue library.
		1194	Spooled File Create Date UTC	Char(7)	The spooled file create date in UTC (This is the same date as the Spool File Create Date (offset 1151) only in UTC).
		1201	Spooled File Create Time UTC	Char(6)	The spooled file create time in UTC (This is the same time as the Spool File Create Time (offset 1158) only in UTC)

[1] This field is blank if the type of output is direct print.

[2] This field is blank if the type of output is remote print.

PS (Profile Swap) journal entries

This table provides the format of the PS (Profile Swap) journal entries.

Table 203. PS (Profile Swap) journal entries. QASYPSJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Profile swap during pass-through. **E** End work on behalf of relationship. **H** Profile handle generated by the QSYGETPH API. **I** All profile tokens were invalidated **M** Maximum number of profile tokens have been generated. **P** Profile token generated for user. **R** All profile tokens for a user have been removed. **S** Start work on behalf of relationship **V** User profile authenticated
157	225	611	User Profile	Char(10)	User profile name.

Table 203. PS (Profile Swap) journal entries (continued). QASYPSJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
167	235	621	Source Location	Char(8)	Pass-through source location.
175	243	629	Original Target User Profile	Char(10)	Original pass-through target user profile.
185	253	639	New Target User Profile	Char(10)	New pass-through target user profile.
195	263	649	Office User	Char(10)	Office user starting or ending on behalf of relationship.
205	273	659	On Behalf of User	Char(10)	User on behalf of whom the office user is working.
215	283	669	Profile Token Type	Char(1)	The type of the profile token that was generated. **M** Multiple-use profile token **R** Multiple-use regenerated profile token **S** Single-use profile token
216	284	670	Profile Token Timeout	Binary(4)	The number of seconds that the profile token is valid.

PU (PTF Object Change) journal entries

This table provides the format of the PU (PTF Object Change) journal entries.

Table 204. PU (PTF Object Change) journal entries. QASYPUJ5 Field Description File

Offset	Field	Format	Description
J5			
1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592 for field listing.
610	Entry Type	Char(1)	The type of entry. **L** Library PTF object **D** Directory PTF object **S** LIC PTF object
611	Entry Action	Char(1)	The type of action. **C** Changed PTF object **N** New PTF object
612	PTF Operation	Char(1)	The PTF operation. **A** Apply **R** Remove
613	Product ID	Char(7)	Product ID.
620	Product VRM	Char(6)	Product version, release, modification in format vvrrmm.
626	PTF ID	Char(7)	PTF identifier.
633	Product Option	Char(4)	Product option.
637	Product Load	Char(4)	Product load identifier.

Table 204. PU (PTF Object Change) journal entries (continued). QASYPUJ5 Field Description File

Offset J5	Field	Format	Description
641	Product Minimum Level	Char(2)	Product minimum level.
643	Product Maximum Level	Char(2)	Product maximum level.
645	Product Library	Char(10)	Product library.
655	Object Name[6]	Char(10)	Object name.
665	Object Library[6]	Char(10)	Object library.
675	Object Type[6]	Char(7)	Object type.
682	RU Name[7]	Char(8)	Replaceable Unit (RU) name.
690	(Reserved Area)	Char(58)	
748	Object Name Length [1,8]	Binary(4)	The length of the object name.
750	Object Name CCSID[1,8]	Binary(5)	The coded character set identifier for the object name.
754	Object Name Country or Region ID[1,8]	Char(2)	The Country or Region ID for the object name.
756	Object Name Language ID[1,8]	Char(3)	The language ID for the object name.
759	(Reserved area)	Char(3)	
762	Parent File ID[1,2,8]	Char(16)	The file ID of the parent directory.
778	Object File ID[1,2,8]	Char(16)	The file ID of the object.
794	Object Name[1,8]	Char(512)	The name of the object.
1306	Object File ID[8]	Char(16)	The file ID of the object.
1322	ASP Name[5]	Char(10)	The name of the ASP device.
1332	ASP Number[5]	Char(5)	The number of the ASP device.
1337	Path Name CCSID[8]	Binary(5)	The coded character set identifier for the path name.
1341	Path Name Country or Region ID[8]	Char(2)	The Country or Region ID for the path name.
1343	Path Name Language ID[8]	Char(3)	The language ID for the path name.
1346	Path Name Length[8]	Binary(4)	The length of the path name.
1348	Path Name Indicator[8]	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
1349	Relative Directory File ID[3,8]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]

Table 204. PU (PTF Object Change) journal entries (continued). QASYPUJ5 Field Description File

Offset			
J5	**Field**	**Format**	**Description**
1365	Path Name[4,8]	Char(5002)	The path name of the object.

[1] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file systems.

[2] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.

[3] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.

[4] This is a variable length field. The first two bytes contain the length of the path name.

[5] This field will contain blanks when entry type (J5 offset 610) is L or S. Library PTF objects, entry type L, will always be in *SYSBAS.

[6] This field will only contain data when entry type (J5 offset 610) is L.

[7] This field will only contain data when entry type (J5 offset 610) is S.

[8] This field will only contain data when entry type (J5 offset 610) is D.

PW (Password) journal entries

This table provides the format of the PW (Password) journal entries.

Table 205. PW (Password) journal entries. QASYPWJE/J4/J5 Field Description File

Offset					
JE	**J4**	**J5**	**Field**	**Format**	**Description**
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.

Table 205. PW (Password) journal entries (continued). QASYPWJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
156	224	610	Violation Entry Type	Char(1)	The type of violation **A** APPC bind failure. **C** User authentication with the CHKPWD command failed. **D** Service tools user ID name not valid. **E** Service tools user ID password not valid. **P** Password not valid. **Q** Attempted signon (user authentication) failed because user profile is disabled. **R** Attempted signon (user authentication) failed because password was expired. This audit record might not occur for some user authentication mechanisms. Some authentication mechanisms do not check for expired passwords. **S** SQL Decryption password is not valid. **U** User name not valid. **X** Service tools user ID is disabled. **Y** Service tools user ID not valid. **Z** Service tools user ID password not valid.
157	225	611	User Name	Char(10)	The job user name or the service tools user ID name.
167	235	621	Device name	Char(40)	The name of the device or communications device on which the password or user ID was entered. If the entry type is X, Y, or Z, this field will contain the name of the service tool being accessed.
207	275	661	Remote Location Name	Char(8)	Name of the remote location for the APPC bind.
215	283	669	Local Location Name	Char(8)	Name of the local location for the APPC bind.
223	291	677	Network ID	Char(8)	Network ID for the APPC bind.
		685[2]	Object Name	Char(10)	The name of the object being decrypted.
		695	Object Library	Char(10)	The library for the object being decrypted.
		705	Object Type	Char(8)	The type of object being decrypted.
		713	ASP Name[1]	Char(10)	The name of the ASP device.
		723	ASP Number[1]	Char(5)	The number of the ASP device.

[1] If the object is in a library, this is the ASP information for the object's library. If the object is not in a library, this is the ASP information for the object.

[2] If the object name is *N and the violation type is S, the user attempted to decrypt data in a host variable.

RA (Authority Change for Restored Object) journal entries

This table provides the format of the RA (Authority Change for Restored Object) journal entries.

Table 206. RA (Authority Change for Restored Object) journal entries. QASYRAJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Changes to authority for object restored
157	225	611	Object Name	Char(10)	The name of the object.
167	235	621	Library Name	Char(10)	The name of the library where the object is stored.
177	245	631	Object Type	Char(8)	The type of object.
185	253	639	Restored Authorization List Name	Char(10)	The name of the authorization list on the restored object.
195	263	649	Public Authority	Char(1)	**Y** Public authority set to *EXCLUDE.
196	264	650	Private Authority	Char(1)	**Y** Private authority removed.
197	265	651	AUTL Removed	Char(1)	**Y** Authorization list removed from object.
198	266		(Reserved Area)	Char(20)	
		652	Saved Authorization List Name	Char(10)	The name of the authorization list on the saved object.
		662	(Reserved Area)	Char(10)	
218	286	672	DLO Name	Char(12)	The name of the document library object.
230	298	684	(Reserved Area)	Char(8)	
238	306	692	Folder Path	Char(63)	The folder containing the document library object.
301			(Reserved Area)	Char(20)	
	369	755	(Reserved Area)	Char(18)	
	387	773	Object Name Length	Binary(4)	The length of the object name.

Table 206. RA (Authority Change for Restored Object) journal entries (continued). QASYRAJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
321	389	775	Object Name CCSID[1]	Binary(5)	The coded character set identifier for the object name.
325	393	779	Object Name Country or Region ID[1]	Char(2)	The Country or Region ID for the object name.
327	395	781	Object Name Language ID[1]	Char(3)	The language ID for the object name.
330	398	784	(Reserved area)	Char(3)	
333	401	787	Parent File ID[1,2]	Char(16)	The file ID of the parent directory.
349	417	803	Object File ID[1,2]	Char(16)	The file ID of the object.
365	433	819	Object Name[1]	Char(512)	The name of the object.
	945	1331	Object File ID	Char(16)	The file ID of the object.
	961	1347	ASP Name[5]	Char(10)	The name of the ASP device.
	971	1357	ASP Number[5]	Char(5)	The number of the ASP device.
	976	1362	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	980	1366	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	982	1368	Path Name Language ID	Char(3)	The language ID for the path name.
	985	1371	Path Name Length	Binary(4)	The length of the path name.
	987	1373	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	988	1374	Relative Directory File ID[3]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]
	1004	1390	Path Name[4]	Char(5002)	The path name of the object.

Table 206. RA (Authority Change for Restored Object) journal entries (continued). QASYRAJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
[1] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file systems.					
[2] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.					
[3] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.					
[4] This is a variable length field. The first 2 bytes contain the length of the path name.					
[5] If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.					

RJ (Restoring Job Description) journal entries

This table provides the format of the RJ (Restoring Job Description) journal entries.

Table 207. RJ (Restoring Job Description) journal entries. QASYRJJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Restoring a job description that had a user profile specified in the USER parameter.
157	225	611	Job Description Name	Char(10)	The name of the job description restored.
167	235	621	Library Name	Char(10)	The name of the library the job description was restored to.
177	245	631	Object Type	Char(8)	The type of object.
185	253	639	User Name	Char(10)	The name of the user profile currently specified in the job description.
		649	ASP name	Char(10)	ASP name for JOBD library
		659	ASP number	Char(5)	ASP number for JOBD library
		664	Previous User Name	Char(10)	The name of the user profile previously specified in the job description.

RO (Ownership Change for Restored Object) journal entries

This table provides the format of the RO (Ownership Change for Restored Object) journal entries.

Table 208. RO (Ownership Change for Restored Object) journal entries. QASYROJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Restoring objects that had ownership changed when restored
157	225	611	Object Name	Char(10)	The name of the object.
167	235	621	Library Name	Char(10)	The name of the library the object is in.
177	245	631	Object Type	Char(8)	The type of object.
185	253	639	Saved Owner	Char(10)	The name of the owner on the saved object.
195	263	649	Restored Owner	Char(10)	The name of the owner on the restored object.
205	273	659	(Reserved Area)	Char(20)	
225	293	679	DLO Name	Char(12)	The name of the document library object.
237	305	691	(Reserved Area)	Char(8)	
245	313	699	Folder Path	Char(63)	The folder into which the object was restored.
308			(Reserved Area)	Char(20)	
	376	762	(Reserved Area)	Char(18)	
	394	780	Object Name Length[1]	Binary(4)	The length of the object name.
328	396	782	Object Name CCSID[1]	Binary(5)	The coded character set identifier for the object name.
332	400	786	Object Name Country or Region ID[1]	Char(2)	The Country or Region ID for the object name.
334	402	788	Object Name Language ID[1]	Char(3)	The language ID for the object name.
337	405	791	(Reserved area)	Char(3)	
340	408	794	Parent File ID[1,2]	Char(16)	The file ID of the parent directory.
356	424	810	Object File ID[1,2]	Char(16)	The file ID of the object.
372	440	826	Object Name[1]	Char(512)	The name of the object.

Table 208. RO (Ownership Change for Restored Object) journal entries (continued). QASYROJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	952	1338	Object File ID	Char(16)	The file ID of the object.
	968	1354	ASP Name[5]	Char(10)	The name of the ASP device.
	978	1364	ASP Number[5]	Char(5)	The number of the ASP device.
	983	1369	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	987	1373	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	989	1375	Path Name Language ID	Char(3)	The language ID for the path name.
	992	1378	Path Name Length	Binary(4)	The length of the path name.
	994	1380	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	995	1381	Relative Directory File ID[3]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]
	1011	1397	Path Name[4]	Char(5002)	The path name of the object.

[1] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file systems.

[2] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.

[3] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.

[4] This is a variable length field. The first 2 bytes contain the length of the path name.

[5] If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.

RP (Restoring Programs that Adopt Authority) journal entries

This table provides the format of the RP (Restoring Programs that Adopt Authority) journal entries.

Table 209. RP (Restoring Programs that Adopt Authority) journal entries. QASYRPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Restoring programs that adopt the owner's authority
157	225	611	Program Name	Char(10)	The name of the program
167	235	621	Program Library	Char(10)	The name of the library where the program is located
177	245	631	Object Type	Char(8)	The type of object
185	253	639	Owner Name	Char(10)	Name of the owner
	263	649	(Reserved Area)	Char(18)	
	281	667	Object Name Length[1]	Binary (4)	The length of the object name.
	283	669	Object Name CCSID[1]	Binary (5)	The coded character set identifier for the object name.
	287	673	Object Name Country or Region ID[1]	Char (2)	The Country or Region ID for the object name.
	289	675	Object name Language ID[1]	Char (3)	The language ID for the object name.
	292	678	(Reserved Area)	Char (3)	
	295	681	Parent File ID[1,2]	Char (16)	The file ID of the parent directory.
	311	697	Object File ID[1,2]	Char (16)	The file ID of the object.
	327	713	Object Name[1]	Char (512)	The name of the object.
	839	1225	Object File ID	Char(16)	The file ID of the object.
	855	1241	ASP Name[5]	Char(10)	The name of the ASP device.
	865	1251	ASP Number[5]	Char(5)	The number of the ASP device.
	870	1256	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	874	1260	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	876	1262	Path Name Language ID	Char(3)	The language ID for the path name.
	879	1265	Path Name Length	Binary(4)	The length of the path name.

Table 209. RP (Restoring Programs that Adopt Authority) journal entries (continued). QASYRPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	881	1267	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	882	1268	Relative Directory File ID[3]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]
	898	1284	Path Name[4]	Char(5002)	The path name of the object.

[1] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file system.

[2] If an ID that has the left-most bit set and the rest of the bits are zero, the ID is not set.

[3] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.

[4] This is a variable length field. The first 2 bytes contain the length of the path name.

[5] If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.

RQ (Restoring Change Request Descriptor Object) journal entries

This table provides the format of the RQ (Restoring Change Request Descriptor Object) journal entries.

Table 210. RQ (Restoring Change Request Descriptor Object) journal entries. QASYRQJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Restore *CRQD object that adopts authority.
157	225	611	Object Name	Char(10)	The name of the change request descriptor.
167	235	621	Object Library	Char(10)	The name of the library where the change request descriptor is found.

Table 210. RQ (Restoring Change Request Descriptor Object) journal entries (continued). QASYRQJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
177	245	631	Object Type	Char(8)	The type of object.
		639	ASP name	Char(10)	ASP name for CRQD library
		649	ASP number	Char(5)	ASP number for CRQD library

RU (Restore Authority for User Profile) journal entries

This table provides the format of the RU (Restore Authority for User Profile) journal entries.

Table 211. RU (Restore Authority for User Profile) journal entries. QASYRUJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Restoring authority to user profiles
157	225	611	User Name	Char(10)	The name of the user profile whose authority was restored.
167	235	621	Library Name	Char(10)	The name of the library.
177	245	631	Object Type	Char(8)	The type of object.
	253	639	Authority Restored	Char(1)	Indicates whether all authorities were restored for the user. **A** All authorities were restored **S** Some authorities not restored

RZ (Primary Group Change for Restored Object) journal entries

This table provides the format of the RZ (Primary Group Change for Restored Object) journal entries.

Table 212. RZ (Primary Group Change for Restored Object) journal entries. QASYRZJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Primary group changed.
157	225	611	Object Name	Char(10)	The name of the object.
167	235	621	Object Library	Char(10)	The name of the library where the object is found.
177	245	631	Object Type	Char(8)	The type of object.
185	253	639	Saved Primary Group	Char(10)	Primary group on the saved object.
195	263	649	Restored Primary Group	Char(10)	Primary group on the restored object.
205	273	659	(Reserved Area)	Char(20)	
225	293	679	DLO Name	Char(12)	The name of the document library object.
237	305	691	(Reserved Area)	Char(8)	
245	313	699	Folder Path	Char(63)	The folder into which the object was restored.
308			(Reserved Area)	Char(20)	
	376	762	(Reserved Area)	Char(18)	
	394	780	Object Name Length[1]	Binary(4)	The length of the object name.
328	396	782	Object Name CCSID[1]	Binary(5)	The coded character set identifier for the object name.
332	400	786	Object Name Country or Region ID[1]	Char(2)	The Country or Region ID for the object name.
334	402	788	Object Name Language ID[1]	Char(3)	The language ID for the object name.
337	405	791	(Reserved area)	Char(3)	
340	408	794	Parent File ID[1,2]	Char(16)	The file ID of the parent directory.
356	424	810	Object File ID[1,2]	Char(16)	The file ID of the object.
372	440	826	Object Name[1]	Char(512)	The name of the object.

Table 212. RZ (Primary Group Change for Restored Object) journal entries (continued). QASYRZJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
	952	1338	Object File ID	Char(16)	The file ID of the object.
	968	1354	ASP Name	Char(10)	The name of the ASP device.
	978	1364	ASP Number	Char(5)	The number of the ASP device.
	983	1369	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	987	1373	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	989	1375	Path Name Language ID	Char(3)	The language ID for the path name.
	992	1378	Path Name Length	Binary(4)	The length of the path name.
	994	1380	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	995	1381	Relative Directory File ID[3]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[3]
	1011	1397	Path Name[4]	Char(5002)	The path name of the object.

[1] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file systems.

[2] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.

[3] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.

[4] This is a variable length field. The first 2 bytes contain the length of the path name.

SD (Change System Distribution Directory) journal entries

This table provides the format of the SD (Change System Distribution Directory) journal entries.

Table 213. SD (Change System Distribution Directory) journal entries. QASYSDJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **S** System directory change
157	225	611	Type of Change	Char(3)	**ADD** Add directory entry **CHG** Change directory entry **COL** Collector entry **DSP** Display directory entry **OUT** Output file request **PRT** Print directory entry **RMV** Remove directory entry **RNM** Rename directory entry **RTV** Retrieve details **SUP** Supplier entry
160	228	614	Type of record	Char(4)	**DIRE** Directory **DPTD** Department details **SHDW** Directory shadow **SRCH** Directory search
164	232	618	Originating System	Char(8)	The system originating the change
172	240	626	User Profile	Char(10)	The user profile making the change
182	250	636	Requesting system	Char(8)	The system requesting the change
190	258	644	Function Requested	Char(6)	**INIT** Initialization **OFFLIN** Offline initialization **REINIT** Reinitialization **SHADOW** Normal shadowing **STPSHD** Stop shadowing

Table 213. SD (Change System Distribution Directory) journal entries (continued). QASYSDJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
196	264	650	User ID	Char(8)	The user ID being changed
204	272	658	Address	Char(8)	The address being changed
212	280	666	Network User ID	Char(47)	The network user ID being changed

SE (Change of Subsystem Routing Entry) journal entries

This table provides the format of the SE (Change of Subsystem Routing Entry) journal entries.

Table 214. SE (Change of Subsystem Routing Entry) journal entries. QASYSEJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry. **A** Subsystem routing entry changed
157	225	611	Subsystem Name	Char(10)	The name of the object
167	235	621	Library Name	Char(10)	The name of the library where the object is stored.
177	245	631	Object Type	Char(8)	The type of object.
185	253	639	Program Name	Char(10)	The name of the program that changed the routing entry
195	263	649	Library Name	Char(10)	The name of the library for the program
205	273	659	Sequence Number	Char(4)	The sequence number
209	277	663	Command Name	Char(3)	The type of command used **ADD** ADDRTGE **CHG** CHGRTGE **RMV** RMVRTGE
		666	ASP name for SBSD library	Char(10)	ASP name for SBSD library
		676	ASP number for SBSD library	Char(5)	ASP number for SBSD library
		681	ASP name for program library	Char(10)	ASP name for program library

Table 214. SE (Change of Subsystem Routing Entry) journal entries (continued). QASYSEJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		691	ASP number for program library	Char(5)	ASP number for program library

SF (Action to Spooled File) journal entries

This table provides the format of the SF (Action to Spooled File) journal entries.

Table 215. SF (Action to Spooled File) journal entries. QASYSFJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Access Type	Char(1)	The type of entry **A** Spooled file read by someone other than the owner of the spooled file. **C** Spooled file created. **D** Spooled file deleted. **H** Spooled file held. **I** Create of inline file. **R** Spooled file released. **S** Spooled file saved. **T** Spooled file restored. **U** Security-relevant spooled file attributes changed. **V** Only non-security-relevant spooled file attributes changed. **X** Spooled file operation rejected by exit program.
157	225	611	Database File Name	Char(10)	The name of the database file containing the spooled file
167	235	621	Library Name	Char(10)	The name of the library for the database file
177	245	631	Object Type	Char(8)	The object type of the database file
185	253	639	Reserved area	Char(10)	
195	263	649	Member Name	Char(10)	The name of the file member.
205	273	659	Spooled File Name	Char(10)	The name of the spooled file [1].

Table 215. SF (Action to Spooled File) journal entries (continued). QASYSFJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
215	283	669	Short Spooled File Number	Char(4)	The number of the spooled file [1]. If the spooled file number is larger than 4 bytes, this field will be blank and the Spooled File Number field (J5 offset 693) will be used.
219	287	673	Output Queue Name	Char(10)	The name of the output queue containing the spooled file.
229	297	683	Output Queue Library	Char(10)	The name of the library for the output queue.
239			Reserved area	Char(20)	
	307	693	Spooled File Number	Char(6)	The number of the spooled file.
	313	699	Reserved Area	Char(14)	
259	327	713	Old Copies	Char(3)	Number of old copies of the spooled file
262	330	716	New Copies	Char(3)	Number of new copies of the spooled file
265	333	719	Old Printer	Char(10)	Old printer for the spooled file
275	343	729	New Printer	Char(10)	New printer for the spooled file
285	353	739	New Output Queue	Char(10)	New output queue for the spooled file
295	363	749	New Output Queue Library	Char(10)	Library for the new output queue
305	373	759	Old Form Type	Char(10)	Old form type of the spooled file
315	383	769	New Form Type	Char(10)	New form type of the spooled file
325	393	779	Old Restart Page	Char(8)	Old restart page for the spooled file
333	401	787	New Restart Page	Char(8)	New restart page for the spooled file
341	409	795	Old Page Range Start	Char(8)	Old page range start of the spooled file
349	417	803	New Page Range Start	Char(8)	New page range start of the spooled file
357	425	811	Old Page Range End	Char(8)	Old page range end of the spooled file
365	433	819	New Page Range End	Char(8)	New page range end of the spooled file
	441	827	Spooled File Job Name	Char(10)	The name of the spooled file job.
	451	837	Spooled File Job User	Char(10)	The user for the spooled file job.
	461	847	Spooled File Job Number	Char(6)	The number for the spooled file job.
	467	853	Old Drawer	Char(8)	Old source drawer.
	475	861	New Drawer	Char(8)	New source drawer.

Table 215. SF (Action to Spooled File) journal entries (continued). QASYSFJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
	483	869	Old Page Definition Name	Char(10)	Old page definition name.
	493	879	Old Page Definition Library	Char(10)	Old page definition library name.
	503	889	New Page Definition Name	Char(10)	New page definition name.
	513	899	New Page Definition Library	Char(10)	New page definition library.
	523	909	Old Form Definition Name	Char(10)	Old form definition name.
	533	919	Old Form Definition library	Char(10)	Old form definition library name.
	543	929	Name of new form definition	Char(10)	Name of new form definition
	553	939	New Form Definition Library	Char(10)	New form definition library name.
	563	949	Old User Defined Option 1	Char(10)	Old user-defined option 1.
	573	959	Old User Defined Option 2	Char(10)	Old user-defined option 2.
	583	969	Old User Defined Option 3	Char(10)	Old user-defined option 3.
	593	979	Old User Defined Option 4	Char(10)	Old user-defined option 4.
	603	989	New User Defined Option 1	Char(10)	New user-defined option 1.
	613	999	New User Defined Option 2	Char(10)	New user-defined option 2.
	623	1009	New User Defined Option 3	Char(10)	New user-defined option 3.
	633	1019	New User Defined Option 4	Char(10)	New user-defined option 4.
	643	1029	Old User Defined Object	Char(10)	Old user-defined object name.

Table 215. SF (Action to Spooled File) journal entries (continued). QASYSFJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	653	1039	Old User Defined Object Library	Char(10)	Old user-defined library name.
	663	1049	Old User Defined Object Type	Char(10)	Old user-defined object type.
	673	1059	New User Defined Object	Char(10)	New user-defined object.
	683	1069	New User Defined Object Library	Char(10)	New user-defined object library name.
	693	1079	New User Defined Object Type	Char(10)	New user-defined object type.
	703	1089	Spooled File Job System Name	Char(8)	The name of the system on which the spooled file resides.
	711	1097	Spooled File Create Date	Char(7)	The spooled file create date (CYYMMDD).
	718	1104	Spooled File Create Time	Char(6)	The spooled file create time (HHMMSS).
		1110	Name of old user defined data	Char(255)	Name of old user defined data
		1365	Name of new user defined data	Char(255)	Name of new user defined data
		1620	File ASP Name	Char(10)	ASP name for database file library.
		1630	File ASP Number	Char(5)	ASP number for database file library.
		1635	Output Queue ASP name	Char(10)	ASP name for output queue library.
		1645	Output Queue ASP number	Char(5)	ASP number for output queue library.
		1650	New Output Queue ASP Name	Char(10)	ASP name for new output queue library.
		1660	New Output Queue ASP Number	Char(5)	ASP number for new output queue library.
		1665	Old Spooled File Status	Char(3)	Old spooled file status.
		1668	New Spooled File Status	Char(3)	New spooled file status.
		1671	Original Creation Date	Char(7)	Original creation date.

Table 215. SF (Action to Spooled File) journal entries (continued). QASYSFJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		1678	Original Creation Time	Char(6)	Original creation time.
		1684	Old Spooled File Expiration Date	Char(7)	Old spooled file expiration date
		1691	New Spooled File Expiration Date	Char(7)	New spooled file expiration date
		1698	Spooled File Create Date UTC	Char(7)	The spooled file create date in UTC (This is the same date as the Spool File Create Date (offset 1097) only in UTC)
		1705	Spooled File Create Time UTC	Char(6)	The spooled file create time in UTC (This is the same time as the Spool File Create Time (offset 1104) only in UTC)
		1711	Registered security exit program	Char(10)	The name of the registered security exit program.
		1721	Registered security exit program library	Char(10)	The library name of the registered security exit program.
		1731	Registered security exit program ASP name	Char(10)	The ASP name of the registered security exit program.
		1741	Registered security exit program ASP number	Char(5)	The ASP number of the registered security exit program.

[1] This field is blank when the type of entry is I (inline print).

SG (Asychronous Signals) journal entries

This table provides the format of the SG (Asychronous Signals) journal entries.

Table 216. SG (Asychronous Signals) journal entries. QASYSGJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592 and "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594 for field listing.

Table 216. SG (Asychronous Signals) journal entries (continued). QASYSGJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	224	610	Entry Type	Char(1)	The type of entry. **A** Asynchronous IBM i signal processed **P** Asynchronous Private Address Space Environment (PASE) signal processed
	225	611	Signal Number	Char(4)	The signal number that was processed.
	229	615	Handle action	Char(1)	The action taken on this signal. **C** Continue the process **E** Signal exception **H** Handle by invoking the signal catching function **S** Stop the process **T** End the process **U** End the request
	230	616	Signal Source	Char(1)	The source of the signal. **M** Machine source **P** Process source **Note:** When the signal source value is machine, the source job values are blank.
	231	617	Source Job Name	Char(10)	The first part of the source job's qualified name.
	241	627	Source Job User Name	Char(10)	The second part of the source job's qualified name.
	251	637	Source Job Number	Char(6)	The third part of the source jobs's qualified name.
	257	643	Source Job Current User	Char(10)	The current user profile for the source job.
	267	653	Generation Timestamp	Char(8)	The *DTS format of the time when the signal was generated. **Note:** The QWCCVTDT API can be used to convert a *DTS time stamp to other formats.

SK (Sockets Connections) journal entries

This table provides the format of the SK (Sockets Connections) journal entries.

Table 217. SK (Sockets Connections) journal entries. QASYSKJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592 and "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594 for field listing.

Table 217. SK (Sockets Connections) journal entries (continued). QASYSKJ4/J5 Field Description File

Offset					
JE	J4	J5	Field	Format	Description
	224	610	Entry type	Char(1)	**A** Accept **C** Connect **D** DHCP address assigned **F** Filtered mail **I** Inbound UDP traffic **O** Outbound UDP traffic **P** Port unavailable **R** Reject mail **S**[4] Successful secure connection **U** DHCP address not assigned **X** Failed System SSL/TLS connection
	225	611	Local IP Address[3]	Char(15)	The local IP address.
	240	626	Local port	Char(5)	The local port.
	245	631	Remote IP Address[3]	Char(15)	The remote IP address.
	260	646	Remote port	Char(5)	The remote port.
	265	651	Socket Descriptor	Bin(5)	The socket descriptor.
	269	655	Filter Description	Char(10)	The mail filter specified.
	279	665	Filter Data Length	Bin(4)	The length of the filter data.
	281	667	Filter Data[1]	Char(514)	The filter data.
	795	1181	Address Family	Char(10)	The address family. ***IPV4** Internet Protocol Version 4 ***IPV6** Internet Protocol Version 6
	805	1191	Local IP address	Char(46)	The local IP address.
	851	1237	Remote IP address [2]	Char(46)	The remote IP address
	897	1283	MAC address	Char(32)	The MAC address of the requesting client.
	929	1315	Host name	Char(255)	The host name of the requesting client.

Table 217. SK (Sockets Connections) journal entries (continued). QASYSKJ4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
		1570	Secure version	Char(10)	The security protocol including the specific version level, if available, used for the connection. The possible protocol prefixes include: TLS, DTLS, SSL, IKE, IPSEC, SSH. A specific example would be "TLSV1.2" if the connection is protected by System SSL/TLS using TLSv1.2. An entry for a non-operating system connection may contain a raw version value such as "0401" if the system inspection code encounters a version it doesn't understand.
		1580	Secure properties	CHAR(100)	The secure properties used for the connection. When entry type (J5 offset 610) is S this field varies based on the secure version field (J5 offset 1570). Where possible this field contains one or more space separated character strings describing the cryptographic algorithms and key sizes used for the connection. The algorithms and key sizes are presented in a character format associated with the secure version field. A TLSv1.2 entry may look like this: "TLS_ECDHE_ECDSA_WITH_AES_256_GCM_ SHA384 ECDSA_SHA512 SECP521R1" An entry for a non-operating system connection may contain a protocol's internal algorithm representation values such as "C054 0703 29" if the system inspection code encounters unknown values. When entry type (J5 offset 610) is X this field contains a string that represents the TLS error code.
		1680	Secure information	Char(100)	Additional information for the secure connection. When entry type (J5 offset 610) is X this field contains a string that describes the failure. When entry type (J5 offset 610) is S this field may contain additional attributes for the secure connection. For example, for IPSEC connections it contains the VPN Connection Name.

[1] This is a variable length field. The first two bytes contain the length of the field.

[2] When the entry type is D, this field contains the IP address that the DHCP server assigned to the requesting client.

[3] These fields only support IPv4 addresses.

[4] When entry type is S, secure connection means a secure protocol was used, not that the algorithms used are considered secure. A system operator needs to review the secure version field and the secure properties field to determine the level of security.

SM (Systems Management Change) journal entries

This table provides the format of the SM (Systems Management Change) journal entries.

Table 218. SM (Systems Management Change) journal entries. QASYSMJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	Function accessed **B** Backup list changed **C** Automatic cleanup options **D** DRDA **F** HFS file system **N** Network file operation **O** Backup options changed **P** Power on/off schedule **S** System reply list **T** Access path recovery times changed
157	225	611	Access Type	Char(1)	**A** Add **C** Change **D** Delete **R** Remove **S** Display **T** Retrieve or receive
158	226	612	Sequence Number	Char(4)	Sequence number of the action
162	230	616	Message ID	Char(7)	Message ID associated with the action
169	237	623	Relational Database Name	Char(18)	Name of the relational database
187	255	641	File System Name	Char(10)	Name of the file system
197	265	651	Backup Option Changed	Char(10)	The backup option that was changed
207	275	661	Backup List Change	Char(10)	The name of the backup list that was changed
217	285	671	Network File Name	Char(10)	The name of the network file that was used

Table 218. SM (Systems Management Change) journal entries (continued). QASYSMJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
227	295	681	Network File Member	Char(10)	The name of the member of the network file
237	305	691	Network File Number	Zoned(6,0)	The number of the network file
243	311	697	Network File Owner	Char(10)	The name of the user profile that owns the network file
253	321	707	Network File Originating User	Char(8)	The name of the user profile that originated the network file
261	329	715	Network File Originating Address	Char(8)	The address that originated the network file

SO (Server Security User Information Actions) journal entries

This table provides the format of the SO (Server Security User Information Actions) journal entries.

Table 219. SO (Server Security User Information Actions) journal entries. QASYSOJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry **A** Add entry **C** Change entry **R** Remove entry **T** Retrieve entry
157	225	611	User Profile	Char(10)	The name of the user profile.
	235	621	User Information Entry Type	Char(1)	**N** Entry type not specified. **U** Entry is a user application information entry. **Y** Entry is a server authentication entry.
	236	622	Password Stored	Char(1)	**N** Password not stored **S** No change **Y** Password is stored.
	237	623	Server Name	Char(200)	The name of the server.

Table 219. SO (Server Security User Information Actions) journal entries (continued). QASYSOJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	437	823	(Reserved Area)	Char(3)	
	440	826	User ID Length	Binary (4)	The length of the user ID.
	442	828	(Reserved Area)	Char(20)	
	462	848	User ID	Char(1002)[1]	The ID for the user.

[1] This is a variable length field. The first 2 bytes contain the length of the field.

ST (Service Tools Action) journal entries

This table provides the format of the ST (Service Tools Action) journal entries.

Table 220. ST (Service Tools Action) journal entries. QASYSTJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry **A** Service record

Table 220. ST (Service Tools Action) journal entries (continued). QASYSTJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
157	225	611	Service Tool	Char(2)	The type of entry. **AN** ANZJVM **AR** ARM diagnostic trace (see ARMSRV QShell command) **AS** Storage altered by Display/Alter/Dump service tool or by a remote service tool debugger **CD** QTACTLDV, QTADMPDV **CE** QWTCTLTR **CS** STRCPYSCN **CT** DMPCLUTRC **DC** DLTCMNTRC **DD** DMPDLO **DF** QWTDMPFR, QWTDMPLF **DI** QSCDIRD **DJ** DMPJVM, QPYRTJVM **DM** DMPMEMINF **DO** DMPOBJ
					DS DMPSYSOBJ, QTADMPTS, QTADMPDV, QWTDMPLF **DU** DMPUSRPRF **DW** STRDW, ENDDW, ADDDWDFN, RMVDWDFN **EC** ENDCMNTRC **ER** ENDRMTSPT **FF** FFDC (First Failure Data Capture) **GS** QSMGSSTD **HD** QYHCHCOP (DASD) **HL** QYHCHCOP (LPAR)
					JW STRJW, ENDJW, ADDJWDFN, RMVJWDFN **LC** EPT created **LD** EPT deleted **LE** EPT for the job has been changed **LF** System EPT has been fixed up **LG** Entries in the EPT have been changed **LH** EPT compared

Table 220. ST (Service Tools Action) journal entries (continued). QASYSTJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
					LI EPT entries displayed **MC** QWTMAINT (change) **MD** QWTMAINT (dump) **MP** End system job **MQ** Restart system job **OP** Operations console **PC** PRTCMNTRC
					PE PRTERRLOG, QTADMPDV **PI** PRTINTDTA, QTADMPDV **PS** QP0FPTOS **SC** STRCMNTRC, QSCCHGCT **SE** QWTSETTR
					SF QWCCDSIC, QWVRCSTK (Display internal stack entry) **SJ** STRSRVJOB **SN** QPZSYNC **SR** STRRMTSPT **SS** QFPHPSF **ST** STRSST **SV** QSRSRV **TA** TRCTCPAPP
					TC TRCCNN (*FORMAT specified) **TE** ENDTRC, ENDPEX, TRCJOB(*OFF or *END specified) **TI** TRCINT, or TRCCNN with SET(*ON), SET(*OFF), or SET(*END) **TO** QTOBSRV **TQ** QWCTMQTM **TS** STRTRC, STRPEX, TRCJOB(*ON specified)
					UD QTAUPDDV **WE** ENDWCH, QSCEWCH **WS** STRWCH, QSCSWCH **WT** WRKTRC **WW** WRKWCH, QSCRWCHI, QSCRWCHL
159	227	613	Object Name	Char(10)	Name of the object accessed

Table 220. ST (Service Tools Action) journal entries (continued). QASYSTJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
169	237	623	Library Name	Char(10)	Name of the library for the object
179	247	633	Object Type	Char(8)	Type of object
187	255	641	Job Name	Char(10)	The first part of the qualified job name
197	265	651	Job User Name	Char(10)	The second part of the qualified job name
207	275	661	Job Number	Zoned(6,0)	The third part of the qualified job name
213	281	667	Object Name	Char(30)	Name of the object for DMPSYSOBJ.
243	311	697	Library Name	Char(30)	Name of the library for the object for DMPSYSOBJ
273	341	727	Object Type	Char(8)	Type of the object.
281	349	735	DLO Name	Char(12)	Name of the document library object
293	361	747	LIC RU Name[11]	Char(8)	LIC RU name.
301	369	755	Folder Path[8]	Char(63)	The folder containing the document library object
	432	818	JUID Field	Char(10)	The JUID of the target job.
	442	828	Early Trace Action[1]	Char(10)	The action requested for early job tracing ***ON** Early tracing turned on ***OFF** Early tracing turned off ***RESET** Early tracing turned off and trace information deleted.
	452	838	Application Trace Option[2]	Char(1)	The trace option specified on TRCTCPAPP. **A**[6] Activate **D**[6] Deactivate **Y**[7] Collection of trace information started **N**[7] Collection of trace information stopped and trace information written to spooled file **E**[7] Collection of trace information ended and all trace information purged (no output created)
	453	839	Application Traced[2]	Char(10)	The name of the application being traced.
	463	849	Service Tools Profile[3]	Char(10)	The name of the service tools profile used for STRSST.
		859	Source node ID	Char(8)	Source node ID
		867	Source user	Char(10)	Source user
		877	ASP name for object library	Char(10)	ASP name for object library
		887	ASP number for object library	Char(5)	ASP number for object library

Table 220. ST (Service Tools Action) journal entries (continued). QASYSTJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		892	ASP name for DMPSYSOBJ object library	Char(10)	ASP name for DMPSYSOBJ object library
		902	ASP number for DMPSYSOBJ object library	Char(5)	ASP number for DMPSYSOBJ object library
		907	Console Type [4]	Char(10)	The console type. Possible values are: • *DIRECT • *LAN • *HMC
		917	Console action [4]	Char(10)	The console action. Possible values are: • *RECOVERY • *TAKEOVER
		927	Address family [4]	Char(10)	The address family. • *IPv4 • *IPv6
		937	Previous IP address [4]	Char(46)	The IP address of the previous console device for *LAN.
		938	Previous device ID [4]	Char(10)	The service tools device ID of the previous console device for *LAN.
		993	Current IP address [4]	Char(46)	The IP address of the current console device for *LAN.
		1039	Current device ID [4]	Char(10)	The service tools device ID of the current console device for *LAN.
		1049	Watch session[5]	Char(10)	Watch session ID.
		1059	Entry[9]	Char(10)	Name of the entry in the entry point table that was changed.
		1069	Related Object[10]	Char(10)	Name of related object. • For Service Tool value LC, this field contains the name of the base entry point table. • For Service Tool value LG, this field contains the name of the replacement program. • For Service Tool value LH, this field contains the name of the compare entry point table.
		1079	Related Object Library[10]	Char(10)	Name of related object library. • For Service Tool value LC, this field contains the name of the base entry point table library. • For Service Tool value LG, this field contains the name of the replacement program library. • For Service Tool value LH, this field contains the name of the compare entry point table library.
		1089	Service Tool User ID[11]	Char(10)	Service tools user ID if storage was altered from DST or *DEBUG if storage was altered by a remote service tool debugger.

Table 220. ST (Service Tools Action) journal entries (continued). QASYSTJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		1099	User profile[11]	Char(10)	User profile name if storage was altered from SST.
		1109	Address of altered storage[11]	Char(16)	Address of storage that was altered. This is a character representation of the hex address.
		1125	Segment Type[11]	Char(4)	Type of segment that was altered. This is a character representation of the hex value.
		1129	Length of altered storage[11]	Bin(5)	Length of storage that was altered.
		1133	Altered storage[11]	Char(32)	Altered storage value. This is a character representation of the hex value.
		1165	Original storage[11]	Char(32)	Original storage value. This is a character representation of the hex value.

[1] This field is only used when the Service Tool value (offset 611) is CE.

[2] This field is only used when the Service Tool value (offset 611) is AR or TA.

[3] This field is only used when the Service Tool value (offset 611) is ST or OP.

[4] This field is only used when the Service Tool value (offset 611) is OP.

[5] This field is only used when the Service Tool value (offset 611) is WS or WE.

[6] This field is only used when the Service Tool value (offset 611) is AR.

[7] This field is only used when the Service Tool value (offset 611) is TA.

[8] The Folder Path will contain the 30 character Advanced Analysis Command name when the Service Tool value (offset 611) is GS.

[9] This field is only used when the Service Tool value (offset 611) is LG.

[10] This field is only used when the Service Tool value (offset 611) is LC, LG, or LH.

11 This field is only used when the Service Tool value (offset 611) is AS.

SV (Action to System Value) journal entries

This table provides the format of the SV (Action to System Value) journal entries.

Table 221. SV (Action to System Value) journal entries. QASYSVJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.

Table 221. SV (Action to System Value) journal entries (continued). QASYSVJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
156	224	610	Entry Type	Char(1)	The type of entry. **A** Change to system values **B** Change to service attributes **C** Change to system clock **D** Adjustment to Coordinated Universal Time (UTC) **E** Change to option **F** Change to system-wide journal attribute
157	225	611	System Value or Service Attribute	Char(10)	**JRNRCVCNT** Changed journal recovery count value **MAXCCHWAIT** Changed journal maximum cache wait time **QINPIDCO** Change the current install disk configuration option with QINPIDCO API.
167	235	621	New Value	Char(250)	The value to which the system value or service attribute was changed
417	485	871	Old Value	Char(250)	The value of the system value or service attribute before it was changed
667	735	1121	New Value Continued	Char(250)	Continuation of the value to which the system value or service attribute was changed.
917	985	1371	Old Value Continued	Char(250)	Continuation of the value of the system value or service attribute before it was changed.
		1621	New Value Continued Extension	Char(1000)	Second continuation of the value to which the system value or service attribute was changed.
		2621	Old Value Continued Extension	Char(1000)	Second continuation of the value of the system value or service attribute before it was changed.

VA (Change of Access Control List) journal entries

This table provides the format of the VA (Change of Access Control List) journal entries. These journal entries are no longer being written to the audit journal.

Table 222. VA (Change of Access Control List) journal entries. QASYVAJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Status	Char(1)	Status of request. **S** Successful **F** Failed
157	225	611	Server Name	Char(10)	The name of the network server description that registered the event.
167	235	621	Server Date	Char(6)	The date on which the event was logged on the network server.
173	241	627	Server Time	Zoned(6,0)	The time when the event was logged on the network server.
179	247	633	Computer Name	Char(8)	The name of the computer issuing the request to change the access control list.
187	255	641	Requester Name	Char(10)	The name of the user issuing the request.
197	265	651	Action Performed	Char(1)	The action performed on the access control profile: **A** Addition **C** Modification **D** Deletion
198	266	652	Resource Name	Char(260)	The name of the resource to be changed.

VC (Connection Start and End) journal entries

This table provides the format of the VC (Connection Start and End) journal entries. These journal entries are no longer being written to the audit journal.

Table 223. VC (Connection Start and End) journal entries. QASYVCJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Connect Action.	Char(1)	The connection action that occurred. **S** Start **E** End **R** Reject
157	225	611	Server Name	Char(10)	The name of the network server description that registered the event.
167	235	621	Server Date	Char(6)	The date on which the event was logged on the network server.
173	241	627	Server Time	Zoned(6,0)	The time when the event was logged on the network server.
179	247	633	Computer Name	Char(8)	The name of the computer associated with the connection request.
187	255	641	Connection User	Char(10)	The name of the user associated with the connection request.
197	265	651	Connect ID	Char(5)	The start or stop connection ID.
202	270	656	Rejection Reason	Char(1)	The reason why the connection was rejected: **A** Automatic disconnect (timeout), share removed, or administrative permissions lacking **E** Error, session disconnect, or incorrect password **N** Normal disconnection or user name limit **P** No access permission to shared resource
203	271	657	Network Name	Char(12)	The network name associated with the connection.

VF (Close of Server Files) journal entries

This table provides the format of the VF (Close of Server Files) journal entries. These journal entries are no longer being written to the audit journal.

Table 224. VF (Close of Server Files) journal entries. QASYVFJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Close Reason	Char(1)	The reason why the file was closed. **A** Administrative disconnection **N** Normal client disconnection **S** Session disconnection
157	225	611	Server Name	Char(10)	The name of the network server description that registered the event.
167	235	621	Server Date	Char(6)	The date on which the event was logged on the network server.
173	241	627	Server Time	Zoned(6,0)	The time when the event was logged on the network server.
179	247	633	Computer Name	Char(8)	The name of the computer requesting the close.
187	255	641	Connection User	Char(10)	The name of the user requesting the close.
197	265	651	File ID	Char(5)	The ID of the file being closed.
202	270	656	Duration	Char(6)	The number of seconds the file was open.
208	276	662	Resource Name	Char(260)	The name of the resource owning the accessed file.

VL (Account Limit Exceeded) journal entries

This table provides the format of the VL (Account Limit Exceeded) journal entries. These journal entries are no longer being written to the audit journal.

Table 225. VL (Account Limit Exceeded) journal entries. QASYVLJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.

Table 225. VL (Account Limit Exceeded) journal entries (continued). QASYVLJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
156	224	610	Reason	Char(1)	The reason why the limit was exceeded. **A** Account expired **D** Account disabled **L** Logon hours exceeded **U** Unknown or unavailable **W** Workstation not valid
157	225	611	Server Name	Char(10)	The name of the network server description that registered the event.
167	235	621	Server Date	Char(6)	The date on which the event was logged on the network server.
173	241	627	Server Time	Zoned(6,0)	The time when the event was logged on the network server.
179	247	633	Computer Name	Char(8)	The name of the computer with the account limit violation.
187	255	641	User	Char(10)	The name of the user with the account limit violation.
197	265	651	Resource Name	Char(260)	The name of the resource being used.

VN (Network Log On and Off) journal entries

This table provides the format of the VN (Network Log On and Off) journal entries. These journal entries are no longer being written to the audit journal.

Table 226. VN (Network Log On and Off) journal entries. QASYVNJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Log Type	Char(1)	The type of event that occurred: **F** Logoff requested **O** Logon requested **R** Logon rejected
157	225	611	Server Name	Char(10)	The name of the network server description that registered the event.
167	235	621	Server Date	Char(6)	The date on which the event was logged on the network server.
173	241	627	Server Time	Zoned(6,0)	The time when the event was logged on the network server.

Table 226. VN (Network Log On and Off) journal entries (continued). QASYVNJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
179	247	633	Computer Name	Char(8)	The name of the computer for the event.
187	255	641	User	Char(10)	The user who logged on or off.
197	265	651	User Privilege	Char(1)	Privilege of user logging on: **A** Administrator **G** Guest **U** User
198	266	652	Reject Reason	Char(1)	The reason why the log on attempt was rejected: **A** Access denied **F** Forced off due to logon limit **P** Incorrect password
199	267	653	Additional Reason	Char(1)	Details of why access was denied: **A** Account expired **D** Account disabled **L** Logon hours not valid **R** Requester ID not valid **U** Unknown or unavailable

VO (Validation List) journal entries

This table provides the format of the VO (Validation List) journal entries.

Table 227. VO (Validation List) journal entries. QASYVOJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592 and "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594 for field listing.
	224	610	Entry Type	Char(1)	The type of entry. **A** Add validation list entry **C** Change validation list entry **F** Find validation list entry **R** Remove validation list entry **U** Unsuccessful verify of a validation list entry **V** Successful verify of a validation list entry

Table 227. VO (Validation List) journal entries (continued). QASYVOJ4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	225	611	Unsuccessful Type	Char(1)	Type of unsuccessful verify. **E** Encrypted data is incorrect **I** Entry ID was not found **V** Validation list was not found
	226	612	Validation List	Char(10)	The name of the validation list.
	236	622	Library Name	Char(10)	The name of the library that the validation list is in.
	246	632	Encrypted Data	Char(1)	Data value to be encrypted. **Y** Data to be encrypted was specified on the request. **N** Data to be encrypted was not specified on the request.
	247	633	Entry Data	Char(1)	Entry data value. **Y** Entry data was specified on the request. **N** Entry data was not specified on the request.
	248	634	Entry ID Length	Binary(4)	The length of the entry ID.
	250	636	Data length	Binary(4)	The length of the entry data.
	252	638	Encrypted Data Attribute	Char (1)	Encrypted data. **' '** An encrypted data attribute was not specified. **0** The data to be encrypted can only be used to verify an entry. This is the default. **1** The data to be encrypted can be used to verify an entry and the data can be returned on a find operation.
	253	639	X.509 Certificate attribute	Char (1)	X.509 Certificate.
	254	640	(Reserved Area)	Char (28)	
	282	668	Entry ID	Byte(100)	The entry ID.
	382	768	Entry Data	Byte(1000)	The entry data.
		1768	ASP name for validation list library	Char(10)	ASP name for validation list library
		1778	ASP number for validation list library	Char(5)	ASP number for validation list library

VP (Network Password Error) journal entries

This table provides the format of the VP (Network Password Error) journal entries.

Table 228. VP (Network Password Error) journal entries. QASYVPJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Error Type	Char(1)	The type of error that occurred. **P** Password error **D** NetServer user disabled
157	225	611	Server Name	Char(10)	The name of the network server description that registered the event. ***NETSERVER**
167	235	621	Server Date	Char(6)	The date on which the event was logged on the network server.
173	241	627	Server Time	Zoned(6,0)	The time when the event was logged on the network server.
179	247	633	Computer Name	Char(8)	The name of the computer initiating the request. This field is no longer used and will contain blanks.
187	255	641	User	Char(10)	The name of the user.
		651	Long Computer Name	Char(46)	The name or IP address of the computer initiating the request.

VR (Network Resource Access) journal entries

This table provides the format of the VR (Network Resource Access) journal entries. These journal entries are no longer being written to the audit journal.

Table 229. VR (Network Resource Access) journal entries. QASYVRJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.

Table 229. VR (Network Resource Access) journal entries (continued). QASYVRJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
156	224	610	Status	Char(1)	The status of the access. **F** Resource access failed **S** Resource access succeeded
157	225	611	Server Name	Char(10)	The name of the network server description that registered the event.
167	235	621	Server Date	Char(6)	The date on which the event was logged on the network server.
173	241	627	Server Time	Zoned(6,0)	The time when the event was logged on the network server.
179	247	633	Computer Name	Char(8)	The name of the computer requesting the resource.
187	255	641	User	Char(10)	The name of the user requesting the resource.
197	265	651	Operation Type	Char(1)	The type of operation being performed: **A** Resource attributes modified **C** Instance of the resource created **D** Resource deleted **P** Resource permissions modified **R** Data read or run from a resource **W** Data written to resource **X** Resource was run
198	266	652	Return Code	Char(4)	The return code received if resource access is granted.
202	270	656	Server Message	Char(4)	The message code sent when access is granted.
206	274	660	File ID	Char(5)	The ID of the file being accessed.
211	279	665	Resource Name	Char(260)	Name of the resource being used.

VS (Server Session) journal entries

This table provides the format of the VS (Server Session) journal entries. These journal entries are no longer being written to the audit journal.

Table 230. VS (Server Session) journal entries. QASYVSJE/J4/J5 field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.

Table 230. VS (Server Session) journal entries (continued). QASYVSJE/J4/J5 field Description File

Offset			Field	Format	Description
JE	J4	J5			
156	224	610	Session Action	Char(1)	The session action that occurred. **E** End session **S** Start session
157	225	611	Server Name	Char(10)	The name of the network server description that registered the event.
167	235	621	Server Date	Char(6)	The date the event was logged on the network server.
173	241	627	Server Time	Zoned(6,0)	The time the event was logged on the network server.
179	247	633	Computer Name	Char(8)	The name of the computer requesting the session.
187	255	641	User	Char(10)	The name of the user requesting the session.
197	265	651	User Privilege	Char(1)	The privilege level of the user for session start: **A** Administrator **G** Guest **U** User
198	266	652	Reason Code	Char(1)	The reason code for ending the session. **A** Administrator disconnect **D** Automatic disconnect (timeout), share removed, or administrative permissions lacking **E** Error, session disconnect, or incorrect password **N** Normal disconnection or user name limit **R** Account restriction

VU (Network Profile Change) journal entries

This table provides the format of the VU (Network Profile Change) journal entries. These journal entries are no longer being written to the audit journal.

Table 231. VU (Network Profile Change) journal entries. QASYVUJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.

Table 231. VU (Network Profile Change) journal entries (continued). QASYVUJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
156	224	610	Type	Char(1)	The type of record that was changed. **G** Group record **U** User record **M** User profile global information
157	225	611	Server Name	Char(10)	The name of the network server description that registered the event.
167	235	621	Server Date	Char(6)	The date on which the event was logged on the network server.
173	241	627	Server Time	Zoned(6,0)	The time when the event was logged on the network server.
179	247	633	Computer Name	Char(8)	The name of the computer requesting the user profile change.
187	255	641	User	Char(10)	The name of the user requesting the user profile change.
197	265	651	Action	Char(1)	Action requested: **A** Addition **C** Change **D** Deletion **P** Incorrect password
198	266	652	Resource Name	Char(260)	Name of the resource.

VV (Service Status Change) journal entries

This table provides the format of the VV (Service Status Change) journal entries. These journal entries are no longer being written to the audit journal.

Table 232. VV (Service Status Change) journal entries. QASYVVJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	The type of entry: **C** Service status changed **E** Server stopped **P** Server paused **R** Server restarted **S** Server started

Table 232. VV (Service Status Change) journal entries (continued). QASYVVJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
157	225	611	Server Name	Char(10)	The name of the network server description that registered the event.
167	235	621	Server Date	Char(6)	The date on which the event was logged on the network server.
173	241	627	Server Time	Zoned(6,0)	The time when the event was logged on the network server.
179	247	633	Computer Name	Char(8)	The name of the computer requesting the change.
187	255	641	User	Char(10)	The name of the user requesting the change.
197	265	651	Status	Char(1)	Status of the service request: **A** Service active **B** Start service pending **C** Continue paused service **E** Stop pending for service **H** Service pausing **I** Service paused **S** Service stopped
198	266	652	Service Code	Char(8)	The code of the service requested.
206	274	660	Text Set	Char(80)	The text being set by the service request.
286	354	740	Return Value	Char(4)	The return value from the change operation.
290	358	744	Service	Char(20)	The service that was changed.

X0 (Network Authentication) journal entries

This table provides the format of the X0 (Network Authentication) journal entries.

Table 233. X0 (Network Authentication) journal entries. QASYX0JE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.

Table 233. X0 (Network Authentication) journal entries (continued). QASYX0JE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
156	224	610	Entry Type	Char(1)	The type of entry: **1** Service ticket valid **2** Service principals do not match **3** Client principals do not match **4** Ticket IP address mismatch **5** Decryption of the ticket failed **6** Decryption of authenticator failed **7** Realm is not within client local realms **8** Ticket is a replay attempt **9** Ticket not yet valid **A** Decrypt of KRB_AP_PRIV or KRB_AP_SAFE checksum error **B** Remote IP address mismatch **C** Local IP address mismatch **D** KRB_AP_PRIV or KRB_AP_SAFE timestamp error **E** KRB_AP_PRIV or KRB_AP_SAFE replay error **F** KRB_AP_PRIV or KRB_AP_SAFE sequence order error **K** GSS accept — expired credential **L** GSS accept — checksum error **M** GSS accept — channel bindingst **N** GSS unwrap or GSS verify expired context **O** GSS unwrap or GSS verify decrypt/decode **P** GSS unwrap or GSS verify checksum error **Q** GSS unwrap or GSS verify sequence error
	225	611	Status Code	Char(8)	The status of the request
	233	619	GSS Status Value	Char(8)	GSS status value
	241	627	Remote IP Address	Char(21)	Remote IP address
	262	648	Local IP Address	Char(21)	Local IP address
	283	669	Encrypted Addresses	Char(256)	Encrypted IP addresses

Table 233. X0 (Network Authentication) journal entries (continued). QASYX0JE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	539	925	Encrypted Addresses Indicator	Char(1)	Encrypted IP addresses indicator **Y** all addresses included **N** not all addresses included **X** not provided
	540	926	Ticket flags	Char(8)	Ticket flags
	548	934	Ticket Authentication Time	Char(8)	Ticket authentication time
	556	942	Ticket Start Time	Char(8)	Ticket start time
	564	950	Ticket End Time	Char(8)	Ticket end time
	572	958	Ticket Renew Time	Char(8)	Ticket renew until time
	580	966	Message Time Stamp	Char(8)	X0E time stamp
	588	974	GSS Expiration Time Stamp	Char(8)	GSS credential expiration time stamp or context expiration time stamp
	596	982	Server Principal CCSID	Binary(5)	Server principal (from ticket) CCSID
	600	986	Server Principal Length	Binary(4)	Server principal (from ticket) length
	602	988	Server Principal Indicator	Char(1)	Server principal (from ticket) indicator **Y** server principal complete **N** server principal not complete **X** not provided
	603	989	Server Principal	Char(512)	Server principal (from ticket)
	1115	1501	Server Principal Parameter CCSID	Binary(5)	Server principal (from ticket) parameter CCSID
	1119	1505	Server Principal Parameter Length	Binary(4)	Server principal (from ticket) parameter length
	1121	1507	Server Principal Parameter Indicator	Char(1)	Server principal (from ticket) parameter indicator **Y** server principal complete **N** server principal not complete **X** not provided
	1122	1508	Server Principal Parameter	Char(512)	Server principal parameter that ticket must match
	1634	2020	Client Principal CCSID	Binary(5)	Client principal (from authenticator) CCSID
	1638	2024	Client Principal Length	Binary(4)	Client principal (from authenticator) length

Table 233. X0 (Network Authentication) journal entries (continued). QASYX0JE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	1640	2026	Client Principal Indicator	Char(1)	Client principal (from authenticator) indicator **Y** client principal complete **N** client principal not complete **X** not provided
	1641	2027	Client Principal	Char(512)	Client principal from authenticator
	2153	2539	Client Principal CCSID	Binary(5)	Client principal (from ticket) CCSID
	2157	2543	Client Principal Length	Binary(4)	Client principal (from ticket) length
	2159	2545	Client Principal Indicator	Char(1)	Client principal (from ticket) indicator **Y** client principal complete **N** client principal not complete **X** not provided
	2160	2546	Client Principal	Char(512)	Client principal from ticket
	2672	3058	GSS Server Principal CCSID	Binary(5)	Server principal (from GSS credential) CCSID
	2676	3062	GSS Server Principal Length	Binary(4)	Server principal (from GSS credential) length
	2678	3064	GSS Server Principal Indicator	Char(1)	Server principal (from GSS credential) indicator **Y** server principal complete **N** server principal not complete **X** not provided
	2679	3065	GSS Server Principal	Char(512)	Server principal from GSS credential
	3191	3577	GSS Local Principal CCSID	Binary(5)	GSS local principal name CCSID
	3195	3581	GSS Local Principal Length	Binary(4)	GSS local principal name length
	3197	3583	GSS Local Principal Indicator	Char(1)	GSS local principal name indicator **Y** local principal complete **N** local principal not complete **X** not provided
	3198	3584	GSS Local Principal	Char(512)	GSS local principal
	3710	4096	GSS Remote Principal CCSID	Binary(5)	GSS remote principal name CCSID

Table 233. X0 (Network Authentication) journal entries (continued). QASYX0JE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	3714	4100	GSS Remote Principal Length	Binary(4)	GSS remote principal name length
	3716	4102	GSS Remote Principal Indicator	Char(1)	GSS remote principal name indicator **Y** remote principal complete **N** remote principal not complete **X** not provided
	3717	4103	GSS Remote Principal	Char(512)	GSS remote principal

X1 (Identity Token) journal entries

This table provides the format of the X1 (Identity Token) journal entries.

Table 234. X1 (Identity Token) journal entries. QASYX1J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
		610	Entry Type	Char(1)	The type of entry: **D** Delegate of identity token was successful **F** Delegate of identity token failed **G** Get user from identity token was successful **U** Get user from identity token failed
		611	Reason Code	Binary (5)	Reason code for failed request: **9** Token length mismatch **10** EIM identifier mismatch **11** Application instance ID mismatch **12** Token signature not valid **13** Identity token not valid **14** Target user not found **16** Key handle not valid **17** Token version not supported **18** Public key not found **Note:** On a failure, only the information that has been validated up to the point of failure will be filled in the text fields.

Table 234. X1 (Identity Token) journal entries (continued). QASYX1J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		615	Reserved	Char(7)	Reserved
		622	Data CCSID	Binary(5)	The CCSID of the data in the text fields
		626	Receiver length	Binary(5)	The length of the data in the receiver field.
		630	Receiver	Char(508)	The receiver of the identity token that either failed the request or was successful. The data in this field will be in the format: <EIMID>receiver_eimID </EIMID> <APPID>RECEIVER_appID </APPID> <TIMESTAMP>receiver_timestamp </TIMESTAMP>. The timestamp will only be included on delegate requests.
		1138	Sender Length	Binary(5)	The length of the data in the sender field.
		1142		Char(508)	The last sender of the identity token that either failed the request or was successful. The data in this field will be in the format The data in this field will be in the format: <EIMID>sender_eimID</EIMID> <APPID>sender_appID</APPID> <TIMESTAMP>sender_timestamp</TIMESTAMP>
		1650	Initiator Length	Binary(5)	The length of the data in the initiator field.
		1654	Initiator	Char(508)	The initiator of the identity token request. If the sender and initiator are the same, the initiator length field will be 0. The data in this field will be in the format: <EIMID>initiator_eimID</EIMID> <APPID>initiator_appID</APPID> <TIMESTAMP>initiator_timestamp</TIMESTAMP>
		2162	Chain Length	Binary(5)	The length of the data in the chain field.
		2166	Chain	Char(2036)	The chain of senders between the initiator and the last sender. The chain will be in the order of latest to earliest. If there are no other senders, then the chain length field will be 0. This field will be truncated if the chain is longer than the length of this field. The data in this field will be in the format: <SNDRz><EIMID>sndrz_eimID</EIMID> <APPID>sndrz_appID</APPID> <TIMESTAMP>sndrz_timestamp </TIMESTAMP> </SNDRz> <SNDRy>...</SNDRy>...
		4202	Chain Entries	Binary(5)	The number of entries in the chain field.
		4206	Chain Entries Available	Binary(5)	The number of available entries for the chain of senders. This number might be greater than the number of entries in the field if the chain field is truncated.
		4210	Source Registry Length	Binary(5)	The length of the data in the source registry field.
		4214	Source Registry	Char(508)	The source registry specified in the identity token.

Table 234. X1 (Identity Token) journal entries (continued). QASYX1J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		4722	Source Registry User Length	Binary(5)	The length of the data in the source registry user field.
		4726	Source Registry User	Char(508)	The source registry user specified in the identity token.
		5234	Target Registry Length	Binary(5)	The length of the data in the target registry field.
		5238	Target Registry	Char(508)	The target registry specified.
		5746	Target Registry User Length	Binary(5)	The length of the data in the target registry user field.
		5750	Target Registry User	Char(508)	The target registry user to which the identity token maps.

X2 (Query Manager Profile Changes) journal entries

The X2 (Query Manager Profile Changes) journal entries do not have a model database outfile.

For information on X2 journal entries see developerWorks® and search for 'X2 query manager profile audit'.

XD (Directory Server Extension) journal entries

This table provides the format of the XD (Directory Server Extension) journal entries.

Table 235. XD (Directory Server Extension) journal entries. QASYXDJ5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
		610	Entry Type	Char(1)	The type of entry: **G** Group names. Field 1 through Field 5 contain group names.
		611	Cross Reference	Char(36)	Cross reference string used to correlate this entry with the DI entry using these groups. More than one DI entry can refer to this XD entry if multiple LDAP requests use the same set of groups.
		647	Reserved	Char(100)	
		747	Field 1 CCSID	Bin(5)	The CCSID value for field 1.

Table 235. XD (Directory Server Extension) journal entries (continued). QASYXDJ5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
		751	Field 1 Length	Bin(4)	The length of the data in field 1.
		753	Field 1	Char(2002)	Field 1 data For entry type G, this field will contain a group name from a group membership assertion.
		2755	Field 2 CCSID	Bin(5)	The CCSID value for field 2.
		2759	Field 2 Length	Bin(4)	The length of the data in field 2.
		2761	Field 2	Char(2002)	Field 2 data For entry type G, this field will contain a group name from a group membership assertion.
		4763	Field 3 CCSID	Bin(5)	The CCSID value for field 3.
		4767	Field 3 Length	Bin(4)	The length of the data in field 3.
		4769	Field 3	Char(2002)	Field 3 data For entry type G, this field will contain a group name from a group membership assertion.
		6771	Field 4 CCSID	Bin(5)	The CCSID value for field 4.
		6775	Field 4 Length	Bin(4)	The length of the data in field 4.
		6777	Field 4	Char(2002)	Field 4 data For entry type G, this field will contain a group name from a group membership assertion.
		8779	Field 5 CCSID	Bin(5)	The CCSID value for field 5.
		8783	Field 5 Length	Bin(4)	The length of the data in field 5.
		8785	Field 5	Char(2002)	Field 5 data For entry type G, this field will contain a group name from a group membership assertion.

YC (Change to DLO Object) journal entries

This table provides the format of the YC (Change to DLO Object) journal entries.

Table 236. YC (Change to DLO Object) journal entries. QASYYCJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	Object access **C** Change of a DLO object
157	225	611	Object Name	Char(10)	Name of the object
167	235	621	Library Name	Char(10)	Name of the library
177	245	631	Object Type	Char(8)	Type of object
185	253	639	Office User	Char(10)	User profile of the office user
195	263	649	Folder or Document Name	Char(12)	Name of the document or folder
207	275	661	(Reserved Area)	Char(8)	
215	283	669	Folder Path	Char(63)	The folder containing the document library object
278	346	732	On Behalf of User	Char(10)	User working on behalf of another user
288	356	742	Access Type	Packed(5,0)	Type of access [1]

[1] See "Numeric codes for access types" on page 761 for a list of the codes for access types.

YR (Read of DLO Object) journal entries

This table provides the format of the YR (Read of DLO Object) journal entries.

Table 237. YR (Read of DLO Object) journal entries. QASYYRJE/J4/J5 Field Description File

Offstes			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	Object access **R** Read of a DLO object

Table 237. YR (Read of DLO Object) journal entries (continued). QASYYRJE/J4/J5 Field Description File

Offstes			Field	Format	Description
JE	J4	J5			
157	225	611	Object Name	Char(10)	Name of the object
167	235	621	Library Name	Char(10)	Name of the library
177	245	631	Object Type	Char(8)	Type of object
185	253	639	Office User	Char(10)	User profile of the office user
195	263	649	Folder or Document Name	Char(12)	Name of the document library object
207	275	661	(Reserved Area)	Char(8)	
215	283	669	Folder Path	Char(63)	The folder containing the document library object
278	346	732	On Behalf of User	Char(10)	User working on behalf of another user
288	356	742	Access Type	Packed(5,0)	Type of access [1]

[1] See "Numeric codes for access types" on page 761 for a list of the codes for access types.

ZC (Change to Object) journal entries

This table provides the format of the ZC (Change to Object) journal entries.

Table 238. ZC (Change to Object) journal entries. QASYZCJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	Object access **C** Change of an object **U** Upgrade of open access to an object
157	225	611	Object Name	Char(10)	Name of the object
167	235	621	Library Name	Char(10)	Name of the library in which the object is located
177	245	631	Object Type	Char(8)	Type of object
185	253	639	Access Type	Packed(5,0)	Type of access [1]

Table 238. ZC (Change to Object) journal entries (continued). QASYZCJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
188	256	642	Access Specific Data	Char(50)	Specific data about the access When the object type is *IMGCLG, this field contains the following format: **Char 3** Index number of the image catalog entry. **Blank** Indicates the operation was against an image catalog. **Char 32** Volume ID of the image catalog entry. **Blank** Indicates the operation was against an image catalog. **Char 1** Access type for the entry. The possible values are listed below. **Blank** Indicates the operation was against an image catalog. **R** The file containing the image catalog entry is read-only. **W** The file containing the image catalog entry is read/write capable. **Char 1** The write protection for the entry. **Blank** Indicates the operation was against an image catalog. **Y** The file containing the image catalog entry is write protected. **N** The file containing the image catalog entry is not write protected. **Char 10** The name of the virtual device. **Blank** Indicates the operation was against an image catalog or the image catalog is not in Ready status. **Char 3** Not used. When the object type is an integrated file system object, this field contains further information identifying the change request. See the QSYSINC include file, QP0LJRNL.H for the possible values.
238			(Reserved Area)	Char(20)	
	306	692	(Reserved Area)	Char(18)	

Table 238. ZC (Change to Object) journal entries (continued). QASYZCJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
	324	710	Object Name Length [2]	Binary (4)	The length of the object name.
258	326	712	Object Name CCSID[2]	Binary(5)	The coded character set identifier for the object name.
262	330	716	Object Name Country or Region ID[2]	Char(2)	The Country or Region ID for the object name.
264	332	718	Object Name Language ID[2]	Char(3)	The language ID for the object name.
267	335	721	(Reserved area)	Char(3)	
270	338	724	Parent File ID[2, 3]	Char(16)	The file ID of the parent directory.
286	354	740	Object File ID[2, 3]	Char(16)	The file ID of the object.
302	370	756	Object Name[2]	Char(512)	The name of the object.
	882	1268	Object File ID	Char(16)	The file ID of the object.
	898	1284	ASP Name[6]	Char(10)	The name of the ASP device.
	908	1294	ASP Number[6]	Char(5)	The number of the ASP device.
	913	1299	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	917	1303	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	919	1305	Path Name Language ID	Char(3)	The language ID for the path name.
	922	1308	Path Name Length	Binary(4)	The length of the path name.
	924	1310	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	925	1311	Relative Directory File ID[4]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[4]
	941	1327	Path Name[5]	Char(5002)	The path name of the object.

Table 238. ZC (Change to Object) journal entries (continued). QASYZCJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
[1] See "Numeric codes for access types" on page 761 for a list of the codes for access types.					
[2] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file systems.					
[3] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.					
[4] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.					
[5] This is a variable length field. The first 2 bytes contain the length of the path name.					
[6] If the object is in a library, this is the ASP information of the object's library. If the object is not in a library, this is the ASP information of the object.					

ZR (Read of Object) journal entries

This table provides the format of the ZR (Read of Object) journal entries.

Table 239. ZR (Read of Object) journal entries. QASYZRJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
1	1	1			Heading fields common to all entry types. See "Standard heading fields for audit journal entries QJORDJE5 Record Format (*TYPE5)" on page 592, "Standard heading fields for audit journal entries QJORDJE4 Record Format (*TYPE4)" on page 594, and "Standard heading fields for audit journal entries QJORDJE2 Record Format (*TYPE2)" on page 595 for field listing.
156	224	610	Entry Type	Char(1)	Object access **R** Read of an object
157	225	611	Object Name	Char(10)	Name of the object
167	235	621	Library Name	Char(10)	Name of the library in which the object is located
177	245	631	Object Type	Char(8)	Type of object
185	253	639	Access Type	Packed(5,0)	Type of access [1]

Table 239. ZR (Read of Object) journal entries (continued). QASYZRJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	J4	J5			
188	256	642	Access Specific Data	Char(50)	Specific data about the access. When the object type is *IMGCLG, this field contains the following format: **Char 3** Index number of the image catalog entry. **Blank** Indicates the operation was against an image catalog. **Char 32** Volume ID of the image catalog entry. **Blank** Indicates the operation was against an image catalog. **Char 1** Access type for the entry. The possible values are listed below. **Blank** Indicates the operation was against an image catalog. **R** The file containing the image catalog entry is read-only. **W** The file containing the image catalog entry is read/write capable. **Char 1** The write protection for the entry. **Blank** Indicates the operation was against an image catalog. **Y** The file containing the image catalog entry is write protected. **N** The file containing the image catalog entry is not write protected. **Char 10** The name of the virtual device. **Blank** Indicates the operation was against an image catalog or the image catalog is not in Ready status. **Char 3** Not used.
238			(Reserved Area)	Char(20)	
	306	692	(Reserved Area)	Char(18)	
	324	710	Object Name Length [2]	Binary(4)	The length of the object name.
258	326	712	Object Name CCSID[2]	Binary(5)	The coded character set identifier for the object name.
262	330	716	Object Name Country or Region ID[2]	Char(2)	The Country or Region ID for the object name.

Table 239. ZR (Read of Object) journal entries (continued). QASYZRJE/J4/J5 Field Description File

Offset			Field	Format	Description
JE	**J4**	**J5**			
264	332	718	Object Name Language ID[2]	Char(3)	The language ID for the object name.
267	335	721	(Reserved area)	Char(3)	
270	338	724	Parent File ID[2,3]	Char(16)	The file ID of the parent directory.
286	354	740	Object File ID[2,3]	Char(16)	The file ID of the object.
302	370	756	Object Name[2]	Char(512)	The name of the object.
	882	1268	Object File ID	Char(16)	The file ID of the object.
	898	1284	ASP Name	Char(10)	The name of the ASP device.
	908	1294	ASP Number	Char(5)	The number of the ASP device.
	913	1299	Path Name CCSID	Binary(5)	The coded character set identifier for the path name.
	917	1303	Path Name Country or Region ID	Char(2)	The Country or Region ID for the path name.
	919	1305	Path Name Language ID	Char(3)	The language ID for the path name.
	922	1308	Path Name Length	Binary(4)	The length of the path name.
	924	1310	Path Name Indicator	Char(1)	Path name indicator: **Y** The Path Name field contains complete absolute path name for the object. **N** The Path Name field does not contain an absolute path name for the object, instead it contains a relative path name. The Relative Directory File ID field is valid and can be used to form an absolute path name with this relative path name.
	925	1311	Relative Directory File ID[4]	Char(16)	When the Path Name Indicator field is N, this field contains the file ID of the directory that contains the object identified in the Path Name field. Otherwise it contains hex zeros.[4]
	941	1327	Path Name[5]	Char(5002)	The path name of the object.

[1] See "Numeric codes for access types" on page 761 for a list of the codes for access types.

[2] These fields are used only for objects in the "root" (/), QOpenSys, and user-defined file systems.

[3] An ID that has the left-most bit set and the rest of the bits zero indicates that the ID is NOT set.

[4] If the Path Name Indicator field is N, but the Relative Directory File ID is hex zeros, then there was some error in determining the path name information.

[5] This is a variable length field. The first 2 bytes contain the length of the path name.

Numeric codes for access types

This table lists the access codes used for object auditing journal entries in files QASYYCJE/J4/J5, QASYYRJE/J4/J5, QASYZCJE/J4/J5, and QASYZRJE/J4/J5.

Table 240. Numeric codes for access types

Code	Access type	Code	Access type	Code	Access type
1	Add	26	Load	51	Send
2	Activate Program	27	List	52	Start
3	Analyze	28	Move	53	Transfer
4	Apply	29	Merge	54	Trace
5	Call or TFRCTL	30	Open	55	Verify
6	Configure	31	Print	56	Vary
7	Change	32	Query	57	Work
8	Check	33	Reclaim	58	Read/Change DLO Attribute
9	Close	34	Receive	59	Read/Change DLO Security
10	Clear	35	Read	60	Read/Change DLO Content
11	Compare	36	Reorganize	61	Read/Change DLO all parts
12	Cancel	37	Release	62	Add Constraint
13	Copy	38	Remove	63	Change Constraint
14	Create	39	Rename	64	Remove Constraint
15	Convert	40	Replace	65	Start Procedure
16	Debug	41	Resume	66	Get Access on **OOPOOL
17	Delete	42	Restore	67	Sign object
18	Dump	43	Retrieve	68	Remove all signatures
19	Display	44	Run	69	Clear a signed object
20	Edit	45	Revoke	70	MOUNT
21	End	46	Save	71	Unload
22	File	47	Save with Storage Free	72	End Rollback
23	Grant	48	Save and Delete		
24	Hold	49	Submit		
25	Initialize	50	Set		