

Reading a field

No user access to field
(internal processing)

User access to field
(has been returned to user)

Binary Value	On medium only	On medium only	Partly on medium / Read into memory
Interpreted Value	Invalid	Valid	Valid

<<create>>
(internal)

conversion

return
field
to user

get
bytes

Field no longer
referenced: Garbage
collector frees memory

Time

<<create>>
(by user)

add
field

con-
version

Write bytes

Field no longer
referenced: Garbage
collector frees memory

Binary Value	Invalid	In memory only	On medium
Interpreted Value	Valid	Valid	Valid

Internal processing

Writing a field

User access to field
(user has created it)