ecs goodbye implementation

A) structures
1) Hash table
   - key: unique name
   - value: list & contains or open cant
2) C-list
   - contains current object
   - may be connected to list
3) Local entries
   - in each process/containing/development

B) representation in directory
   - a unique name + type field (1 word)

C) ecs goodbye capability
   - contains (indirectly) a unique name + type field

D) operations

1) creation of ecs goodbye in directory
   - may have a type field (default) (along with other data info for creating a directory entry)
   - creates an entry with a new unique name field, and type field that presented

2) get ecs goodbye from directory
   - may be a uniform operation for all objects
   - returns a ecs capability with:
     - type = "ecs goodbye"
     - options = options indicated by the access key
     - data = unique name + type field
Ⅳ) open eis goodie (no object presented)

present eis goodie capability

c-1int-index

look up unique name of data and of eis goodie capability in Hash table.

if not found, F-return

if found, compare type field of data with eis goodie capability

and test of the associated constants.

if so, make copy

return a copy of the associated c-list entry capability, measured by the option

actually EIS objects of the given EIS goodie capability.

deregister EIS open to local process

Ⅳ) close eis goodie

present eis goodie capability

check local process open list, if in the local list, decrease local count by 1.

if local count goes to zero, remove from local list and decrease Hash table entry open count by 1, if Hash table entry open count goes to zero, delete Hash table entry.

if not in the local list, error

returned EIS if actual EIS object

deue EIS if global zero and if EIS object