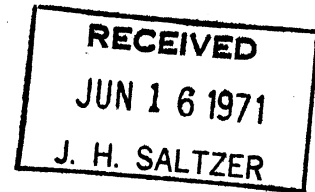


DATE: JUNE 15, 1971

TO: C. T. CLINGEN
F. J. CORBATÓ
R. J. FEIERTAG
N. I. MORRIS
J. H. SALTZER ✓
M. D. SCHROEDER
V. L. VOYDOCK
S. H. WEBBER



FROM: J. W. GINTELL

SUBJECT: CONCISE SUMMARY OF ACCESS CONTROL PROPOSALS
DESIGN REVIEW HELD JUNE 14, 1971

Absent: M. D. Schroeder

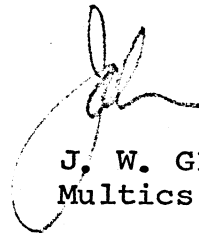
- I. It was the consensus of the group that the proposals were sound and should be adopted.
- 1) Ring brackets on directory segments should be discarded.
 - 2) The CACL should be discarded and the concept of the initial ACL should be used.
 - 3) The names of the attributes for directories (rewa) should be changed (luma?).
- II. Prior to implementation, there are a number of items which require attention:
- 1) The proposals should be reviewed with Schroeder (RJF/VLV).
 - 2) A statistics gatherer should be implemented and run that computes the storage needed to replace CACL's with longer ACL's and estimates how much CACL's are being used. (RJF)
 - 3) A plan for implementing the proposals in an upwards compatible way must be developed. Documentation for users must be included in this plan. (RJF/VLV)

II. (Continued)

- 4) The "hole" in the protection system regarding access on gate segments should be "plugged" (disallow the ability to place members of another project on the ACL of a gate segment.)
- 5) Clarify the access changing rules.
(Possible new rule: you can't remove yourself from ACL; you can only change ACL if you are on it). (RJF/VLV)

III. There are a number of issues that are related to the above proposals that don't need resolution prior to implementation but should be considered:

- 1) extended access on segments.
- 2) more access attributes for directories (using extended access).
- 3) a more permissive set of access control rules for gates.
- 4) anonymous users should not derive access from a match with star (*). (An approximation to this could be implemented at command level.)
- 5) the use of the tag field on an access name.



J. W. GINTELL, Manager
Multics Development