20 MAR 1975

MEMORANDUM FOR THE RECORD

SUBJECT : Status Report - Project SAFE

REFERENCE: Status Report, dtd 3 January 1975

1. Project SAFE has been involved in an conceptual systems design,
funds gathering, and fundamental management struggle since this previous
reporting. Of major significance is the reported decision that OJCS,
not CRS, will be responsible for SAFE software and hardware. CRS will
define the system requirements and levy them upon OJCS. It is viewed
that the OJCS commitment to assume this responsibility is a positive
indication that Agency management (DCI) is favorably inclined towards
Project SAFE. Consequently, time (as affected by funding) is the main
variable before SAFE becomes an operational reality. The recently re-
vised Project SAFE schedules and alternatives are being held back by
CRS/SAS until the working relationship and responsibilities are defined.

2. Briefly, in general terms, the initial systems design phase
has slipped in varying estimates by 3 - 6 months, consequently, the
first facilities requirements will move into FY-77. However, with the
integration of Project SAFE operations into OJCS, it is possible that
initial implementation of some SAFE subsystem functions may utilize
existing OJCS hardware; which in turn may further alter short term
planning. The on-going system design effort has not progressed suffi-
ciently to determine specific hardware nor its relative locations (in
particular whether the fifty minicomputers will be located in the cen-
tral computer area or one in each of the remote analyst stations),
consequently, no detailed planning is meaningful at this time.

3. Immediately prior to this pending shift of management respon-
sibility, some Project SAFE working level personnel doubted that all
of the OMB release of $5,000,000 (FY-76) could be commited to hardware
systems design in FY-76, and were interested in OL's ability to commit
$2,000,000 plus for facilities design and construction through GSA.
This changing management role will be monitored in order to determine
as soon as possible any other major shifts of Project SAFE scheduling
which will impact on the timing of OL responsibilities.

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4. In a broad overview, the relative location of the option for
a centralized computer center for Project SAFE, is being technically
and operationally guided towards the North side of the building by the
following considerations:

A. Electrically, "A" and "B" (expanded) vaults cannot
support the estimated 1200 - 1300 KVA SAFE load. Transformer
vaults "C" and "D" in the North half of the building could
better accomodate this requirement. In particular, should
"C" vault be expanded as presently planned, it would be able
to support this load and retain the basic engineering design
concept that ensues reliability through the concept of redun-
dancy.

B. Management judgements expressed by OS, OJCS and
others, consider that the relative colocation of another
large computer center (much less self contained SAFE center)
with present OJCS operating centers, is a risk in terms of
the possibility of a catastrophic disaster which would
negate a major portion of the Agency's computer operations
by fire, water, deliberate explosive, or technical means.

C. The northside is the location of the majority of
DDI analyst offices, including CRS itself, which would mini-
mize the demands for a rerouted data grid.

Various alternative locations are possible on the first floor or else-
where, but only with the difficult relocation of a yet unidentified office
or major component out of the Headquarters Complex. The necessary Head-
quarters space relief (estimated 20,000 square feet) is only possible
with the corresponding availability of space in another location not   STATINTL
presently available. The work of Mr.[   ] RECD, on alternative
plans for the replacement of the Magazine Building is being followed to
gauge the relative size, location, and timing of the surplus space being
generated.

5. Preliminary data is being gathered on the number and location
of potential SAFE user analysts and existing data terminals in the
Headquarters, Ames, Magazine, Key and [   ] Buildings. This informatiSTATINTL
is needed to determine optimum location of the proposed [   ] remote   **STATINT**
analyst station clusters, define specific requirements on the data   **L**
grid, and may dictate the inherent security requirements. To date,
OS/Computer Security personnel have expressed major concern over the

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security of massive storage of microfilmed (ultra-strip) classified
information at these various locations and the technical intercept
problems of access through telephones (necessary tools of the analysts)
located near these data terminal consoles. Discussions have ranged
from the need for special secure containers for microfilm storage to
the requirement for each remote area to be separately vaulted.

     6. For additional data or comment regarding this memorandum,
please contact the undersigned [   ]   STATOTHR

SIGNED

[   ]   STATINTL
Project Engineer
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