AID-027/70
21 January 1970

MEMORANDUM FOR: Executive Director/NPIC

SUBJECT: Integrated Information System Progress
                Report #9, November-December 1969
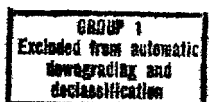
SCHEDULE CHANGES

We have fallen behind on several of our schedules and
no longer believe the time can be made up. We have there-
fore prepared revised estimates and schedules. This results
in all our programming appearing to be "on schedule." The
amount of slippage can be seen by comparing the new sched-
ules (Attachment 1) to the old schedules (Attachment 2).
A more significant comparison is the amount of overlap.
Our plan was to reserve the last three months before the
implementation date for full system testing (Category III
on the charts). All of the extensions of Category II tests
(tests of sub-systems) into the last three months represent
slippages.

The one exception to the above is the bottom line:
Training. This is shown three months behind schedule.

HIGHLIGHTS

The last report identified software and preparation of
basic training manuals as the two most critical areas.
Software has proceeded quite well during this period but it
is doubtful that previous slippages will be made up. Prep-
aration of manuals is clearly behind schedule. Software
can be tested and ready by 1 July 70 only by severe over-
lapping of Category II (subsystem) and Category III (the
full system) tests. This is not possible if extensive
errors are encountered in Category II tests. The quality
of present IIS Software products permits a quiet optimism
but the likelihood of interface problems is high.

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Our best judgement is that a delay of three months is
required; that implementation can begin on 1 Oct 70 instead
of 1 July. This will permit more reliable software and
proper training with the proper tools.

HARDWARE

Hardware procurement and installation is on schedule.
Construction of the first floor mass storage area is com-
plete and installation of Fastrand drums is about two weeks
behind schedule, which we do not consider a significant
delay. Site preparation for terminals is 70% complete and
installation of devices is underway.

25X1

A third _____ CRT terminal was received and is being
tested. Two more are scheduled for the next period; the
plan is for a total of twelve. One data entry device was
installed and the remainder will be installed during the
next period. Fourteen of the 21 _____ query devices   25X1
have been installed.

SOFTWARE

Substantial progress has been made during this period,
as stated in the highlights. However, previous (and some
current additional) slippages in program preparation will
not be made up during completion of programming effort.
They will be made up if, as shown on the attached chart,
we are successful in early tests and are able to run many
Category II and III tests concurrently. The question is
how rapidly errors or malfunctions can be detected and
corrected.

Two of the seven software packages assigned to _____   25X1
25X1 _____ have been completed and have passed Category
I tests. They are the Presentation Language Program

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(Query, line 2 on the chart) and the Data Entry Program
(D. E. line 2). The slippages in other work assigned to
[   ] will result in an overrun amounting to [   ]
We have submitted a request for authorization to approve
the overrun (which will not change the fixed fee).

        All but three programs are scheduled to be completed
and ready for Category I tests during January. They are
all in the Data Base Maintenance group: Periodic Update,
which is scheduled for 6 April (line 3); On-Line Update,
scheduled for 9 February; and file conversion, scheduled
for 9 March (line 9).

        There have been some slippages in Category II test
plans but they will be ready when needed. With one ex-
ception, all Category II tests will begin during the next
period; Data Base Maintenance testing will begin the
second week in March.

        The work of the [   ]
[   ] is quite acceptable. Unfortunately
the delay in obtaining security clearances for [   ] person-
nel is one of the deterrents to the Periodic Update pro-
gramming. One [   ] employee has not yet been cleared, but
we know of no additional way to speed this up.

PROCEDURES - DATA BASE

        This work is on schedule. Primarily, it awaits develop-
ment of requirements for the data required for testing.

TRAINING

        The completion of training manuals, which are essential
when training supervisors and working level personnel, is
three months behind schedule. This time can not be made up.

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     Classroom planning is progressing well and the instruc-
tors have made good progress in developing their plans for
course materials. We are now actively seeking a dedicated
area for classroom instruction which will contain all remote
devices necessary for learning by doing.

25X1

                              Chief, Automated Information Division
                                        PSG/NPIC

Attachments: Two Schedules

Distribution:
  Orig & 1 - Addressee w/att
         1 - NPIC/PPBS wo/att
         1 - NPIC/PSG wo/att
         1 - NPIC/IEG wo/att
         1 - NPIC/TSSG wo/att
         1 - NPIC/PSG/AID wo/att
         1 - NPIC/PSG/AID Branch Chiefs wo/att
         1 - NPIC/PSG/AID/SIS Files wo/att
         1 - NPIC/IIS/Training Officer wo/att
         1 - IIS Files wo/att

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