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AMPEX CONTRACT XG 3766

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MEMORANDUM FOR THE RECORD
SUBJECT: Ampex Contract XG 3766
18 July 1975
1. During the last management meeting at Ampex on the subject contract, it was established that channel simulators being produced by Systems Concepts of San Francisco had become the pacing item. It was further determined that the writer should attempt to expedite the subcontractor in an attempt to recover lost schedule and, failing this

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OJCS #_1866 75

18 July 1975

MEMORANDUM FOR THE RECORD

SUBJECT: Ampex Contract XG 3766

1. During the last management meeting at Ampex on the subject con-
tract, it was established that channel simulators being produced by
Systems Concepts of San Francisco had become the pacing item. It was
further determined that the writer should attempt to expedite the sub-
contractor in an attempt to recover lost schedule and, failing this
too, make sure that no further schedule slips occur on these items.

2. A call was placed to Mr. Slingland of Ampex on this date to
determine whether the schedule problem at Systems Concepts had resolved
itself. Mr. Slingland stated that the subcontractor was still very busy
and, while making some progress, was still behind. With this information
in hand, a call was placed to Mr. Michael Levitt, president of Systems
Concepts. Mr. Levitt was told that CIA is the customer on this program
and that it is a critical program which involved large dollars and is
substantially behind schedule. He was asked to take management action
from his office to attempt to recover schedule. He was also told that
he might be asked to attend the next management meeting on the program
which will be held on 24 July at the Ampex plant in Sunnyvale. He stated
that his firm is small and that he is continuing to recover schedule and
will be happy to sit in on the management meeting if requested.

STATINTL

Chief
Procurement Management Staff, OL

cc: ADD/A
     D/OJCS

Distribution:
  Orig - PMS/OL
     1 - D/L

OL 5 3726

D I S C U S S :

— FUNCTION LIST

    o   EXPLAIN CHART   (1)

    o   REVIEW CHART   (1)

    o   ANALYZE FUNCTIONS   (4)

— MODULE CHART

    o   REVIEW HIGHLIGHTS   (1)

    o   EXPLAIN CHART   (1)

    o   REVIEW DETAIL   (4)

IAT

7/24/75

F U N C T I O N

IAT

7/24/75

R E C O V E R Y

Miner (WM)	Levy (FT)	Bruf (OS)	Lcmos (MISC)	
		8		Host Timeout on Command Response
		8		Host/SCP Communication Line
8+		8		Host Failure
5	8			No Path Avail. to a BSS Vol. while Ascending Data
5	8			No Path Avail. to a BSS Vol. while Descending Data
5	8			No Path to any BSS Volumes while Ascending Data
5	8			No Path to any BSS Volumes while Descending Data
5	8			Bad Track/Cyl. on a BSS Vol. while Ascending Data
5	8			Bad Track/Cyl. on a BSS Vol. while Descending Data
5	8			Head Crash on a BSS Vol. while Ascending Data
5	8			Head Crash on a BSS Vol. while Descending Data
5	8			Wrong BSS Volume Mounted - Ascend
5	8			Wrong BSS Volume Mounted - Descend
7		C		Power Failure to Entire MSS
7		?		Master SCP Failure, Slave SCP Available
7		?		Slave SCP Failure, Master SCP Available
7		?		Both SCP Central Processing Units Fail
	8			One EDCP Failure
7	8			Both EDCP's Fail while Ascending Data
7	8			Both EDCP's Fail while Descending Data
7	8			TBMTAPE Write Error
7	8			TBMTAPE Read Error
7	8			TBMTAPE Breaks or Stretches
7	8			TBMTAPE Drive Failure
	8			Loss of One Transport Driver
7	8			Both Transport Drivers Fail
	8			A Read Channel Failure
7	8			Both Read Channels Fail
	8			A Write Channel Failure
7	9			Both Write Channels Fail
	8			A Tape Dubbing Buffer Failure
8	8			Both Tape Dubbing Buffers Fail
		8		One or More Consoles Fail, but one still operable
7		8		All Consoles Fail
		8		DEC Line Printer Failure
		?		DECtape Unit Failure
		8		Paper Tape Reader Failure
7		8		MSS 3330's - Wrong Volume Mounted at IPL
7	8	8		MSS 3330's - Bad Track/Cyl. on One Volume
7	8	8		MSS 3330's - No Path Available to One Volume
7	8	8		MSS 3330's - No Path Available to Either Volume
7	8	8		MSS 3330's - Head Crash on One Volume
7	8	8		MSS 3330's - Head Crash on Both Volumes
7		?		MSS Integrity of the Private Files is Questionable

IAT - 7/24/75

WM (Miner)	FT (Levy)	OS (Bruf)	MISC (Lemos)	
		8+		Display Status
		8+		Display Unit
?	?			Display Volume
C	5	8+		Set
	8+			IPL
		7		STOP
	3			Mount
	4			Demount
2	5			Vary
8+				Check
			8	Maint
C				Display File
C				Delete File
C				Create GDG
C				Display GDG
C				Delete GDG
C	C			Monitor Files
C	C			Monitor Files, Off
C		?		Flush Unit
		?		Flush Host
C				Rename and Newname
7	8+			Erase
8+				Create Group
8+				Display Group
8+				Delete Group
6				Compress
5	C			Move
7				Ascend File
7				Descend File
4	C			Disperse
4	3			Disperse, Off
C				Display Job
7				Cancel Job
8+				Hold Job
8+				Release Job
C				Monitor Jobs
C				Monitor Jobs, Off
8+				Replace File
6		8+		Display RBA
?		8+		Display Address
6		8+		Change RBA
?		8+		Change Address
6		8+		Dump RBA
C		8+		Dump Address
8+				PBUILD
8+				PDISPLAY
8+				PDISPLAY AUDIT

IAT-7/24/75

A L L   E L S E

Miner / WM	Levy / FT	Bruf / OS	Lemos / MISC	
	3			TEMTAPE Preparation
	8+			Tally Track Processing
		6		Concurrent Console Support
		6		HSS-MSS Communication
		C		Message Queuing
	8+	?		Priority Processing
3				GDG Support
4				Host Binding
1				BSS Space Allocation
	3			Ordered Queuing
C	C			Ascend
C				Job Binding
C				Job Termination
C				Deallocation
C	C			Descension
8+		?		Security
	3			Demark Processing
8+	C	?		Monitoring
			8+	Maintenance and Diagnostics

IAT
7/24/75

INTEGRATION DISTRIBUTION

	C	R1	AUG	SEP	OCT	NOV	DEC	JAN	FEB	FEB$^+$	?	LINES NOW	TOTAL LINES EST	% COMPLETE	% TOTAL
RECOVERY	–	–	–	–	–	–	–	1	37	1	5	0	10000	0	12
OP CMNDS	13	–	–	2	1	1	1	4	1	19	5	4362	8367	52	10
ALL ELSE	6	1	–	4	1	–	2	1	1	3	3	57384	67581	85	78
												61746	85948		100%

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M O D U L E S

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SYSTEMS DEPARTMENT SCHEDULE		FY	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	C
PROGRAM - TMS-2 DOCUMENTATION																				
AC #	SECTION										36 37 38 39	40 41 42 43	44 45 46 47	48 49 50 51 52						
REF	ITEM		1 2 3 4	5 6 7 8	9 10 11 12	13 14 15 16 17	18	19 20 21 22 23 24							1 2 3 4	5 6 7 8	9 10 11 12 13 14	15 16 17 18	19 20 21 22	23 24 25 26	
I	SOFTWARE PUBLICATIONS																				
	OPERATING SYSTEM USER'S GUIDE																				
	OPERATORS GUIDE																				
	PROGRAM LOGIC MANUALS																				
II	HARDWARE PUBLICATIONS																				
	TRANSPORT MODULE THEORY																				
	TRANSPORT MODULE MAINT/REPAIR																				
	TRANSPORT DRIVER THEORY																				
	TRANSPORT DRIVER MAINT/REPAIR																				
	DATA CHANNEL THEORY																				
	DATA CHANNEL MAINT/REPAIR																				
	SYSTEM MANUAL	DRAFT 1																			
	(INCORPORATING SCP/EDCP, TDIF,	DRAFT 2																			
	TCIF AND CHANNEL SIMULATOR)																				
III	OEM PUBLICATIONS																				
	DEC PDP11/45									PURCHASE											
	DG NOVA									PURCHASE											

LEGEND:

WRITE

CHANGE

REVIEW

EDIT

PRODUCTION

SYSTEMS DEPARTMENT SCHEDULE

PROGRAM - TMS-2 DOCUMENTATION

AC #

SECTION

FY

| | MAY | JUNE | JULY | AUGUST | SEPT | OCT | NOV | DEC | JAN | FEB | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPT | OCT |

REF | ITEM

I — SOFTWARE PUBLICATIONS
- OPERATING SYSTEM USER'S GUIDE
- OPERATORS GUIDE
- PROGRAM LOGIC MANUALS

II — HARDWARE PUBLICATIONS
- TRANSPORT MODULE THEORY
- TRANSPORT MODULE MAINT/REPAIR
- TRANSPORT DRIVER THEORY
- TRANSPORT DRIVER MAINT/REPAIR
- DATA CHANNEL THEORY
- DATA CHANNEL MAINT/REPAIR
- SYSTEM MANUAL (INCORPORATING SCP/EDCP, TDIF, TCIF AND CHANNEL SIMULATOR) — DRAFT 1 / DRAFT 2

III — OEM PUBLICATIONS
- DEC PDP11/45 — PURCHASE
- DG NOVA — PURCHASE

LEGEND:
WRITE
EDIT
CHANGE
REVIEW
EDIT
PRODUCTION

JULY 1975 TMS-2 SOFTWARE MANPOWER PLAN

V.I.S.D. SYSTEMS DEPARTMENT SCHEDULE

PROGRAM —
AC
REF

SECTION / ITEM	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	FY	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL
BRUFFEY			JOBS INTEGRATION SCPOS REORGANIZATION 3330 DOCUMENTATION	PAGE & LOCK FACILITY	SMS SNAPPING		COMMIO ENHANCEMENT	STOP COMMAND TRACE PROCESSING & RECOVERY	ERROR PROCESSING & RECOVERY		PERFORMANCE MEASUREMENT & TEST														
STEVENSON					LEAVE OF ABSENCE																				
CRITTENDEN			BDCP RSX II A DOC.	MULTI-PATH 3330 ACCESS	MEMORY MAPPING		I.P.L	I.P.L	SYSGEN	SET COMMAND	CHANGE DUMP COMMANDS	DISPLAY COMMAND	PERFORMANCE AND TEST												
YUAN			COPY ENTRY	PRETEST & DATA ACCURACY	DATA ACCURACY DESIGN	VARY ON OFF DOWN	LOG/TAPE	TEST OFFLINE DEVICES	WMS COMMAND QUEUING		TALLY TRACK UTILITIES	WMS READ/WRITE/VERIFY TALLY	WMS CLEAN UP												
MINER			GENERATION DATA GROUPS	I SYSTEM	RECOVERY OVERALL DESIGN	BSS FAILURE D C T	DSS FAILURE D C T		EVENT T D	SMF C T	SECURITY	OPEN/CLOSE EXITS	FINAL LRU TESTING												
MR. DMS					TRAINING SCPOS/DMS JOBEXEC	ASCEND/DESCEND PRIVATE (INCLUDING OPTIONS) D C T	DMS RECOVERY AND OPCOMMANDS CHECKPOINT RESTART																		
MR. JOBEXEC					JOBEXEC DETAIL TRAINING	SCP 1 FAILURE D C T	HOST FAILURE D C T																		
BUTLER (L. ELLISON'S REPLACEMENT)			TRAINING SCPOS/DMS JOBEXEC	FILE MANAGEMENT DESIGN	DISPERSE VOLUME INTEGRATE VERIFY MODE LOG	MOVE FILE	COPY TAPE ALL TO ALL 3330	DUMP VTOC TO TAPE	FILE MANAGEMENT RECOVERY D C T																

Legend (right side):
I — INTEGRATION
D — DESIGN
C — CODE
T — TEST

PREPARED | AUTHORIZED | DATE | ISSUE A

7-23-75   7:00 P.M.

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V.I.S.D. SYSTEMS DEPARTMENT SCHEDULE	FY																		PREPARED	AUTHORIZED	DAY	ISSUE	A
PROGRAM		MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL

AC SECTION
REF ITEM

LEMOS — INTEGRATE RELEASE 1 — INSTALL RELEASE 1 — INSTALL RELEASE 2

MILHOFF — TRAINING — TMS-2 TECH PUBS AND DOCUMENTATION

ADAM — TRAINING — INTEGRATE AND TEST RELEASE 1 — INSTALL AND TEST RELEASE 1 — INTEGRATE AND TEST RELEASE 2 — INSTALL AND TEST RELEASE 2

MR. D — TRAINING — DIAGNOSTICS — ONLINE MONITOR — MINIMUM SPECIFICATION DIAGNOSTICS → DIAGNOSTICS ENHANCEMENT

LEVY — READ VERIFY — I — MULTIPLE CANCEL UNITS — I — AUTOMATIC DEMARK — PAGE FIX — SEARCH — WMS CALL FT — WMS LOGIC COMMANDS — FAT

FORTIS — RECOVERY ERROR ANALYSIS DESIGN — AUTOMATIC RETRY ALTERNATE PATH — RECOVERY ERROR ANALYSIS — IPL VERIFY TBM — FAT

LOENNEKER — EVENT ACC — MULTIPLE REQUEST QUEUES — MOUNT — I — DEMOUNT — DEVICE ON/OFF

PARR — SCP — FILE TRANSFER — IPL

I - INTEGRATION
D - DESIGN
C - CODE
T - TEST

7-23-75 7:00 P.M.

STATINTL

SEC. CL.	ORIGIN		CONTROL NO.	
	▮▮▮▮▮▮		▮/OJCS1866/75	
DATE OF DOC	DATE REC'D	DATE OUT	SUSPENSE DATE	CROSS REFERENCE OR POINT OF FILING
7/18	7/24			
TO		STATINTL	ROUTING	DATE SENT
FROM	D/OJCS			⁄ ⁄
SUBJ.	▮▮▮▮▮▮		EO	
	Ampex Contract XG 3766			
COURIER NO.	ANSWERED	NO REPLY		4

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ROUTING AND RECORD SHEET

SUBJECT: (Optional)

Ampex Contract XG 3766

FROM:

███████████████████ STATINTL

NO. 1866/25

DATE 24 July 75

TO: (Officer building)

	RECEIVED	FORWARDED	OFFICER'S INITIALS	COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)
1. E O		24 July	GD	Copy to COTR - 7/24. (D)
2. DD		24 July		
3. D		2 July		
4. C/SED		30 July	WW	
5. C/OD		8/4		
6. DC/OES		8/4		
7. O/D/OJCS				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				

File; ORACLE

18
~~21~~ July 1975

SUBJECT: AMPEX XG-3766
           Systems Concepts in San Francisco

RE   : Order for several channel simulators - behind
           schedule.

STATINTL

███████████ called System Concepts President, Mr. Levitt, and explained importance of program and our high-level interest in program and asked that he get channel simulators moving.

Told him he might be asked to attend the next management meeting.

Bill Slingland notified that I called firm.

STATINTL

~~HARRY E. FITZWATER~~
~~Director of Joint Computer Support~~rt

AMPEX

401 BROADWAY • MS 3-7 • REDWOOD CITY, CALIFORNIA 94063
(415) 367-3161 • TWX: 910-378-5920 • TELEX: 34-8464

ARTHUR H. HAUSMAN
PRESIDENT AND CHIEF EXECUTIVE OFFICER

10 July 1975

File; ORACLE

Mr. John F. Blake
Deputy Director
   for Administration
Central Intelligence Agency
Washington, D. C. 20505

Dear Mr. Blake:

I am in receipt of your letter of 30 June 1975,
relative to your concern about Ampex performance on the
Agency contract for a Mass Storage System. Victor Ragosine
has kept me apprised of the problems and progress in
satisfying the contract requirements of this important
program. I assure you that successful completion of develop-
ment and delivery of this system to the Agency is of the
utmost importance to Ampex. As evidence of this importance,
we have planned and are making a substantial Ampex
Corporate contribution toward the development of the
necessary hardware and software for your application.
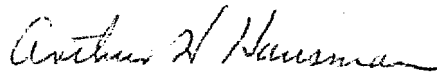
I share your interest and concern over the progress
and cost escalations that have been experienced, and have
asked Mr. Ragosine to strengthen the necessary internal
controls to measure cost and schedule progress against
the program plan recently established with the Agency as part
of the renegotiation process.

I believe you should be aware that we had deferred
some staffing of our software group pending final agreement
with the Agency on continued development of this program.
We are now engaged in the appropriate personnel expansions
needed to satisfy the Agency and other contract requirements.
As these new people are applied to the project tasks, we will

gain a better assurance of timely project completion.

       I shall be looking to Mr. Ragosine to keep me apprised of the results measured by the monthly review meetings. Be assured that Ampex will apply the necessary assets and dedication to successfully accomplish this program, as we are both working toward the same goal.

                      Sincerely,

                      Arthur H. Hausman

AHH:dr

DD/A Distribution:
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   1 - D/JCS

TRANSMITTAL SLIP	DATE 1. July 1975
TO: D/JCS	

ROOM NO. 2E 29	BUILDING Hqs

REMARKS:

Copies to:
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COTR
7/15

FYI

EXO _____
DD/OJCS _____
D/OJCS _____
C/PS _____
PD/SAFE _____
SO/OJCS _____
DC/PS _____
FILE _____

Xo — I think we should send copy to OL
(▓▓▓▓▓▓) STATINTL
(done 7/17/75)

FROM: Acting DD/A		
ROOM NO. 7D 26	BUILDING Hqs	EXTENSION 5767

FORM NO. 241
1 FEB 55   REPLACES FORM 36-8
WHICH MAY BE USED.   (47)