

GAME OR PROJECT

1400/1450 MTG

* 1450

- DISK EXERCISER PROGRAM SHOULD BE IN 11/14/83. A LISTING OF THE 8050 CODE HAS BEEN REQUESTED.
- ONE UNIT WAS RECEIVED TO DO "A" TEST, BUT THE UNIT IS OF NO USE BECAUSE OF MIS-DESIGNED BRACKETS. THE UNIT WILL FAIL ALL ENVIRONMENTAL TESTING. WE WILL ATTEMPT TO RE-DESIGN THE BRACKET SO WE MAY START TESTING.
- TANDON IS CONTINUING LIFE TEST AND WE WILL GET A TEST REPORT BY 11/18/83
- TOOLING HAS BEEN TEXTURED; FIRST ARTICLE HAS BEEN DONE AND CHANGES WILL BE MADE AND IMPLEMENTED BY 11/19/83.
- ATMC WILL SEND ≈ 25 PCB REV. 2'S BUILT WHICH WILL BE SENT TO TANDON WHO WILL ADD THE PLASTICS AND SEND 50-60 TO US FOR TESTING.
- TANDON WILL BRING THE ROGOUT EPS TO ATARI SAN JOSE ON 11/11/83
- ALL MANUALS/ARTWORK ETC... WILL BE COMPLETED 11/17/83. NOTHING ENGINEERING RELEASE.
- NO SECOND DRIVE WILL BE PUT IN THE MRS.
- THE UNIT WILL POSSIBLY BE BUILT AT ATMC! (SEE IMPLICATIONS)
- | | | |
|--|---|---|
| ^{REV C.}
2K DISK HANDLER (3 WEEKS)
^{REV C.}
4K HANDLER (3 WEEKS)
COMMUNICATOR BOARD | } | OUTSIDE HOUSE WILL TEST - CLOCK STARTS WHEN WE SIGN CONTRACT. |
|--|---|---|
- DEE VAN POWER SUPPLY - NO CHANGE IN STATUS
- DELTA IS THE SECOND SOURCE FOR THE POWER SUPPLY - DELTA TO SEND SAMPLES (125 ORDERED) THEY WANT US TO FOOT THE COST OF UL AND CSA SINCE THE PRODUCT QUANTITY IS SO LOW.
- 3600 IS PRIORITY OVER 1400 AND 1450

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ENGINEERING LOG SHEET

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GAME OR PROJECT

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1400XL

- FREDDIE CHIP HAS NO PROBLEM - AS I REPORTED TWO WEEKS AGO - NO PROBLEMS HAVE BEEN ENCOUNTERED IN LIFE TESTING.
- SAMPLES OF EPS ARE EN ROUTE - TO G. KUCZYNSKI
- 4K HANDLER WILL BE PROGRAMMED TO REV. C.
- COMMUNICATOR CARTRIDGE LABEL ARTWORK HAS NOT GONE TO PUERTO RICO. R. RILEY TO FIND OUT.
- MANUAL / PACKAGE ARTWORK TO BE SENT TO ATMC 11/11/83.
- COMMUNICATOR CARTRIDGE ROM'S WILL BE IN PUERTO RICO THE 3RD WEEK IN DECEMBER. (THEN 2 WEEKS TO SEND THE CARTRIDGES TO ATMC).
- "B" TEST - NO COMPUTER FAILURES - (POWER SUPPLY FAILURES).
- "A" TEST REPORT WILL BE OUT 11/18/83
- DON THORSON ADMITTED THAT NO-ONE WILL COMMIT TO THE FACT THAT THE 1400XL IS A "LIVE" PROJECT.
- 1400XL FCC PRELIMINARY TEST SHOWS NOISE GENERATED BY THE JOYSTICK; MOVEMENT OF THE GROUND PLANES HELPED IMMENSELY; ADDITION OF A TOP SHIELD SHOWED A 10-15DB DROP IN RF; WITH THE JUMPER ARRANGEMENT (INDUCTORS IN THE JOYSTICK PORTS) SHOWED AN 8-12 DB DROP. DESIGN ASSURANCE RECOMMENDS THAT WE TAKE EITHER PATH WITH THE ADDITION OF THE REAL-TIME CLOCK INSTEAD OF THE 1 METER CABLE ATTACHED TO THE PSI.
- PART 68 MAY NEED TO BE RE-DONE AS A RESULT OF THE PCB RE-LAYOUT.
- 3600 IS PRIORITY OVER 1400 AND 1450
- SUBMISSION FOR "TAP" FOR CANADA SHOULD HAPPEN THE WEEK OF 11/14/83
- WE ARE WAITING FOR DEE VAN TO GET SAMPLES TO US FOR SAFETY CHECK.

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1400/1450

1450

- Negotiations are going on between Atari and Tandon. (B. Rubin/M. Kishwat)

1400

Telecommunicator Cartridge: ROM's have been ordered for the 1400 FC. (23,000)

It is unknown at this point (by the team) whether or not the 1400 is a manufacturable product or not. That is, if the 1400 will or will not be a product.

- EPS⁽³⁵⁰⁰⁵⁾, master slipper and carton are on the way from ATMC.
- The FCC label, Olympic label, Communicator cartridge label, software disclaimer and manual have not been received by ATMC.
- FCC: Janine Cook will not help with the 1400 (and 1450) because he had heard that they were not viable products.

: The epoxy shield brings the emissions below the emissions ceiling.

: When the joysticks are hooked onto the unit, the emissions are above the acceptable level. This can be fixed by 1) shielding the joysticks; 2) putting inductors on the joystick ports; or 3) putting a shield around the 1400 main board.

TAP: Submittal should go by 11/18/83.

Power Supply: Dee Van has not sent new samples which incorporate the changes requested by Atari S.T.

Dennis Able is trying to get a source for 120° rated capacitors for the power supply - they (Dee Van) are currently using 90° capacitors

4300 hours have been accomplished on life test - no failures as yet - ^{Steve} Kuegler

WRITER

DATE 11/15/83

WITNESS

DATE

GAME OR PROJECT

1450

1450 See note top of previous page.

Schedule

- Disk exercise program will be available by 11/18/83
- Tooling texture is complete. We are asking for 150 sets of plastic for pilot run.
- ATMC have nearly completed 25 boards. They have now received the last two components.
- FCC - Part 68: no change in status. Letters of Manufacturing have been input for ATMC.
 - Part 15: Same status as 1400

Schedule

- Power Supply: Same status as 1400 power-supply.
 - : The Delta power supply has been tested in engineering and passed all tests. The power supply has been sent to corporate safety.
 - : Main board changes should be completed this week. We cannot complete the changes until we get Gordon to test the unit in our screen rooms.
 - : 125 units have been ordered.

Schedule

- Graphics - The only things which are holding up release are the carton and owner's guide until 11/10/83. We need to find out if this date is "for real."
- Handlex ROM's are being produced here for test.
- Bare product shock test - passed. EPS was looked at by G. Kuczynski and he has made some recommendations for changing the foam. The drop test showed minor problems with Disc Drive plane.

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GAME OR PROJECT

1400/1450

Schedule 1400

- PROGRAM IS ON HOLD EXCEPT FOR ENGINEERING
- ATMC HAS COMPLETED THEIR "B" TEST (PRELIMINARY). TEST REPORT IS AT ATARI S.T.
- THE COMMUNICATOR CARTRIDGE IS NOT USABLE IN THE 1450
- THERE IS SOME CONFUSION AS TO WHETHER THE SOFTWARE DISCLAIMER IS TO BE PACKED OUT OR NOT.

Schedule

- FCC LABEL ^{and olympic name} IS THE ONLY DOCUMENTATION ^{ITEMS} LEFT TO SEND TO ATMC.

Schedule

- THE OLYMPIC LABEL WILL BE PURCHASED FROM INTERNATIONAL BY ATMC.

Schedule

- REV B OF BASIC WILL BE USED UNTIL REV C IS AVAILABLE

Schedule

- PART 68 30-DAY CLOCK IS ON PUBLIC NOTICE AS OF NOV. 28. WE WILL MAKE OK ON OR ABOUT 12/28/83.

Schedule

- PART 15 TESTING ^{IS} ~~NOT~~ PROGRESSING - THE SWITCHING OF THE PLACES IS NOT ENOUGH TO PASS PART 15; OTHER THINGS WILL NEED TO BE DONE.

THE CORRECTIONS TO THE BOARD ARE NOT FORMULATED AS OF TODAY.

THE INTERNAL STRUCTURE OF THE BOARD IS BEING LOOKED AT TO MAKE ROOM FOR THE SUGGESTED IMPROVEMENTS.

IT IS THE OPINION OF THE FCC/SUSTAINING STAFF THAT SHIELDS WILL BE NEEDED TO FINALLY PASS FCC PART 15.

17
17

Schedule

- TAP (CANADIAN) INPUT WILL POSSIBLY HAPPEN THE WEEK OF 12/15.

Schedule

- UK HAS BEEN APPROVED; CSA HAS NOT.

Power supplies are being altered to comply with corporate safety

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GAME OR PROJECT

Tandon has stopped work on 1450 while negotiations are continuing.

1450

schedule

- 10 main ^{PCB's} circuit have been received at Atari, S.O. and we are requesting Tandon to build 10 prototype pilot units under separate P.O.
- Disc extension programs have been received and are ready to be tested.
- 50 more ^{PC} boards are to be received the week of 12/5/83.
- Skets off final plastic tools are due 12-2-83 and will shoot 150 sets of plastic if they are O.K. If OK, the soft tools will be ready.
- Power Supply parts have been purchased to fix the heat problem on the Dee Van Unit.

Delta has refused to do business with Atari for the quantities Atari is willing to buy. (2nd source). Matt Vishwat will attempt to negotiate with Delta for 150 power supplies.

Dee Van will build the pilot power supplies when they receive the parts.

A towid core probably will not be needed.

- All artwork will be complete on 12-2.



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1400

CO24673-118

- Environmental Test Report has been released to document control for the "A" test.

CO24518-001 - Software disclaimer for 1400.

- Project is still on hold

- Total cost budget will get to B. Riley by 12/19.

- Olympic Sticker will not be shipped from Atari San Jose. AT&T should procure these from Atari - Hong Kong.

- Freddie clips have been qualified.

- Power Supplies: Components have not been received as yet at D&V. One out of the 4 (types) have been received here.

- For all practical purposes, the 1400 has been cancelled.

all of the effort on the 1400 will be only to bring the unit to a point where the work done can be documented.

Schedule

WRITER

DATE 12/16

WITNESS

DATE



GAME OR PROJECT

1450

- We have ordered 150 sets of final plastic from the vendor. Plastic will be here on 12/19.
- 65 PCB assemblies have been completed and are being sent to Atari - San Jose.
- Trudon is still on hold.
- Dave Somy has sent the new engineering schedule to Fred Simon et al.
- All duplicate films should be in the hands of B. Riley today.
- We need 8 1450's from stock for CES.
- The testing for the Communicator cartridge is being held up due to the fact that the contractor has not received payment as yet.
- The master diskette will be duplicated in San Jose and the duplicates sent to Trudon.
- Post 15 is under test. We are testing with different shields and different PCB configurations.

WRITER

DATE 12/16

WITNESS

DATE

GAME OR PROJECT

1450XLD

DYNASTY

• Phil Suen - Product Mgr.

• Thursday 2: PM - conf am A.

- Will not be 16-bit
- Will not have a new keyboard
- 2 layer board -
- Disk controller board needs to be designed and built.

• Schematic - 3/31/84

• 6502 based

• Handler needs to be redone (\approx 2 man month programming effort)

• 6502 voice chip will be used instead of SLO1 (VOTRAX) {DEMO ON FEB. 13th}

• 1200XL keyboard.

• External power supply.

Handlers:

1) speech

2) modem

3) Disk drive (plus internal firmware)

• Boards done in Taiwan

• Plastic done in U.S. (soft tooling)

• Assembly in El Paso.

• 3 passes PCB.

• Will use Freddie Chip - not known whose design is to be used.

WRITER

DATE 2/7

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GAME OR PROJECT

1450 / TONG MFG.

- Disk drive source will be chosen week of 2/20/84.
- The drive will probably not be second sourced due to the small number of drives required (MPS < 75,000). (The drive looks the same from each vendor but there are small differences between the drives - mounting holes, bezel size, ect...)
- Drive is designated as SA400;
- Drive has been in production for at least 9 months, and are at a production level of > 1000/day.
- Marketing feels that the sales quantities for 1985 would be in the area of 75,000.
- RPM for the drive will be 288; which is the same as 810 or 1050.

?

- R. Riley
Purchasing

- H. Sisk/M. Nieland
Engineer

- E. Huang
Engineer

- G. Hudson
Components

- J. Watson
Proj Mgr.

- P. Suen
Mktg:

- J. Cain
Safety

- R. Piscatore
Reliability

- G. Kuzynski
Mechanical

- S. Wilson

The company which gets the order will probably also get the order for the 1053 double-sided, double-density disk drive (stand alone drive).

- J.A. (Bob Lewis) and Bob Larsen of Manufacturing Product Engineering had difficulty with the vendor selection process in that they have no written proof of manufacturability of the product and what are the proven (tested) failure rates and proven test method.
- The two major risks are Power Supply and disk drive.
- The keyboard will be the same as the old 1450XL0 and the same as the 1200 Keyboard.
- The unit/power supply will have the capability to support and contain a second disk drive.

WRITER

DATE 2/16

WITNESS

DATE