DATA CENTER OPERATIONS BRANCH

NDS OPERATIONS PROCEDURE MANUAL
NO. P-I012

APPLICATIONS SOFTWARE
13 April 1983

INTERMAINTENANCE

SYMBOLIC TITLE: INTERMAIN
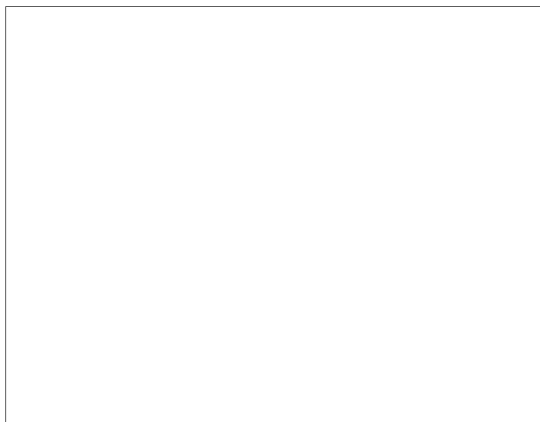PROGRAMMER:

STAT

Program INTERMAIN

Date 13 July 1982

APPROVALS

This operations manual has been reviewed and approved by the following persons:

STAT

9 Aug 1982
(date)

8/10/82
(date)

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Program INTERMAIN

Date 13 July 1982

SUMMARY

Intermaintenance (INTERMAIN) will be started by a ST INTR5 or
XAU*P$RUN.INTERMAIN/RUNS once a day from the console at 0030. This will initiate
five (5) runstreams (INTR1 thru INTR5) which will cause INTERMAIN to be run by
the following times:

    1. 0130
    2. 0530
    3. 1130
    4. 1530
    5. 2000

Each INTERMAIN will query the Transaction Interface File (TIF) records which
point to the Installation Data File (IDF) records that have been updated since
the last INTERMAIN.

INTERMAIN will take each TIF record and place it in the XAU*IDFHIS-FILE.
It will continue this process until all TIF records have been queried. INTERMAIN
will then delete all TIF records that have been processed in preparation for the *next*
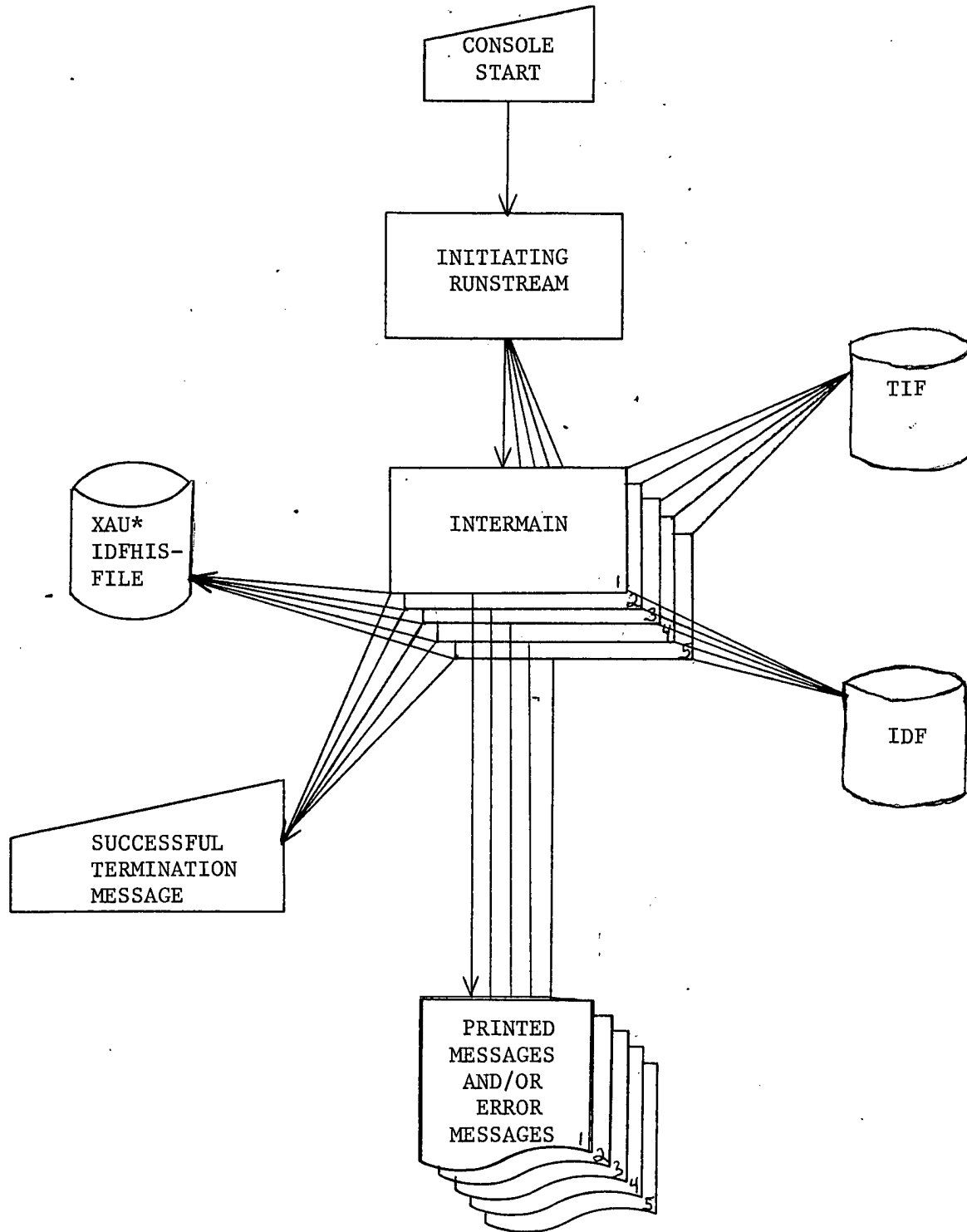INTERMAIN run.

Normal and abnormal messages will be output to the console and at the end of
the printer listing. Individual error messages will be printed. The listings
from the printer should be sent to Data Base Section thru TSS and retained for one
week.

Program ___INTERMAIN___

Date ___13 July 1982___

OPERATIONAL FLOW CHART

Program INTERMAIN

Date 13 July 1982

HIGH-SPEED PRINTER OUTPUT

Identification: INTERMAIN ERROR LIST

Format: Display error status and counters for every error
         encountered

Type of Form:

Disposition: Send listing to Data Base Section.

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COMPUTER RUN PREPARATION SUMMARY

Assembly System: SPURT FD _____ SPRYE _____ ALGOL _____ FORTRAM IV _____ COBOL _x____ SIMSCRIPT _____

Hardware System: __Univac 1100/84_____ Run Sequence ___1_____ of __1_____

Application: __Deadline Batch_____ Program Name __INTERMAIN___ Programme[_____] Core: Min ____ Max STAT

Drum: __TIF & IDF File_____ Estimated Run Time: __Variable_____

MAGNETIC TAPE (File Protect All Output Tapes)

Logical Servo No.
or Symbolic Name   N/A

    Work
  Input/Output   N/A

Standard Tape
Label (See OPB/TAS) N/A

Disposition: Reten-
Save, List, &   tion   N/A
Release   Period

Next Phase
[Prog. Name(s)]

INPUT

_____ Data Cards - Prog. Controlled (Volume) ___ST INTR5 or XAU*P$RUN.INTERMAIN/RUNS_____
_____ Parameters - Prog. Controlled (Volume) _____
_____ Parameters - Oper. Load as Errata (Volume) _____
_____ Paper Tape (Volume) _____

OUTPUT   On _x_ Off ___ Line ___

1004 Board Name (no.) _____ Carriage Tape _____ Off Line Estimated Run Time: _____
                                                                          (Hours & Tenths)

Printer (Type Paper/No. of Copies) ___143 Single Copy_____

Cards on ___ Off ___ Line: _____ Plotter On ___ Off ___ Line: _____
  (Volume)   (Amount of paper in feet)
Other On ___ Off ___ Line: _____
  (Volume)

Date <u>13 July 1982</u>

ON-LINE COMPUTER PROCESSING

EQUIPMENT REQUIREMENTS

Computer: Univac 1100/84

Schema Used:

Storage:

    Core Required -

    I Bank   -   13262 Dec.

    D Bank   -   13010 Dec.

Peripheral Devices: Console
                         Printer

Restrictions: TIMER must be active

Supplies: None

Files Accessed: XAU*IDFHIS-FILE, IDF, TIF

Files Created/Deleted: None

File Size:

Approximate Number of Accesses:

5

Program INTERMAIN

Date 13 July 1982

PROGRAM LOADING

Type of Program: Deadline Batch (DMS)

Start Keyin: N/A

Run ID:

DMR ID:

ECRT:

    General Equation - Computer run time is variable

    Sample Estimate - N/A

FINAL CHECK SUMMARY

    1. Runstream should be loaded from console at 0030.
    2. Check output listing for successful terminations.

Program ___INTERMAIN___

Date 13 July 1982

NORMAL RUN INSTRUCTIONS

Initiation: Start INTERMAIN series by loading from console at 0030
   every day: ST INTR5 OR XAU*P$RUN.INTERMAIN/RUNS

Messages: Will appear on the console five times a day

Message	Cause	Operator Action
1. IDF INTERMAINT (N) IS STARTING	Program is starting	None
2. INTERMAIN SUCCESS- FULLY TERMINATED**	Program finished	None

**Always check listing on printer to verify program
   terminates successfully

ABNORMAL RUN INSTRUCTIONS

Messages:

Message	Cause	Operator Action
INTERMAIN MAX ERROR, CONTACT PB	Present error maximum encountered.	Notify PB [____] STAT and _save_ listing.
INTERMAIN IN DEADLOCK ROLLED BACK		No action necessary, next INTERMAIN run will pick up updates. If three (3) INTERMAIN runs in a series get deadlocked, notify PB [____]. STAT

Printer Error Messages:

When an error is encountered during a run of the INTERMAIN program, it will print out error-status, counters, and buffers. This will assist PB in understanding the problem encountered. As long as the program terminates successfully, these error listings do not indicate an invalid run--only minor file problems.

System and/or Timer Crash: Determine if INTERMAIN series are still in backlog. If not, it may be necessary to restart initial runstream.