EDIT CHECKS

22

Edit specifications for A.C. - 2 1st Round

1. Administrative Codes - Check valid codes as at the population census using the same range checks for districts, A.G.A.Division, G.S., TC, Village , Ward.

Census block ≤ 30

Section 1 : - Agricultural Operators

1. Question 2 to 5 may be blank.
   If this section is blank ~~section~~ QUESTION 2 - 5 should all be blank.

2. Sex - Valid codes 1 and 2

3. Age - Valid range 15 to 99 or 00 (00 = Unspecified)

4. Education - A. Valid codes 1 - 6 or 9 (9 = Unspecified)
   B. Valid codes 1 - 2 or 9 (9 = Unspecified)

5. Owner ship - Valid codes 1 - 4 or 9 (9 = Unspecified)
   if codes 2, 3, 4 , area should be given on vice versa
   area cages may or may not be filled .

Section 11 Operational Holdings

1. Valid codes 1 - 4 or 9 (9 - Unspecified)
   If code 4 then number of partners should not be blank.

2. Area of the Holding
   (a) Check for numeric or blank
   (b) Check total with the brake down
   1) if correct accept both
   2) if not correct ~~accept the brake down total~~ and if the sum of the break down is greater assume this is to be the total
   3) if ~~no break down is given accept the total~~ and if the sum of the break down is less than the total, accept the total and tabulate the balance in breakdown columns with the existing proportions
   (c) Area in each cage AC = 00 - ~~79~~ (1st Round only) of the same schedule.
   R = 0 - 3
   P = 00 - 39

3. Range 01 - 24 on blank should not be equal to enumeration District.

Section 111 - Area under Principal Crops

Area under tea , rubber and coconut.

(a) Check for numeric on blank.
(b) Check the total with the Break down
   If correct accept both
   If not correct accept the Break down total
   If not break down given accept the total. (and categorize in the unspecified columns of the table)

Note - on Edit Specification - AC 2

The following edit specificationsm have been used in the test editing programme, which should be retained or changed due to the reasons given.

✓(1) Checking of valid I.D. data - retained

✓(2) Checking of valid codes - retained

✓(3) Checking of valid area figures - retained

✓(4) Edit - "STATUS 4 BUT NO PARTNERS" - retained

✓(5) Area ≤ 20 - retained *

✓(6) No. of seattered coconut trees ≤15 - retained *

✓(7)"CARD TYPE (S) MISSING OR INVALID" - retained

✓(8) "SECTION -1- BLANK - BUT SECTION 2 - 5 ARE BUT"
- Modified as this is not what is required ✓

✓(9) "MACHINARY BLNK OWNERSHIP NOT BLANK"
- Removed as not asked for

✓(10) "IRRIATION INCONSISTANT
- Removed as not necessary

(11) An additional check is necessary in section 111

Check the total with the break down.

(a) If correct accept both.

(b) If not correct, and if the sum of the break down is greater asume this to be the total.

(c) If not correct and if the sum of the break down is less than the total, accept the total and ~~the break down~~, but tabulate the balance in an ~~unspecified column.~~ break down columns with the existing proportions of the same schedule

* No editing in the final round.

✓(12) Census Block validity check should be ~~checked~~ changed to ≤ 30

(13) The consistancy of the village lists should be checked with the list, that will be sent along with the schedules of each district.

(c) Cages may or may not be filled

Area in each cage AC = 00 - 50 (1st Round only)

R = 0 - 3

P = 00 - 39

Section IV Irrigation

(a) Check for numeric or blank.

(b) Area under any scheme

AC = 00 - 50

R = 0 - 3

P = 00 - 39

(c) If lift irrigation is available then no. of wind mills or tube wells or water pumps or other devices should be given or vice versa. (should not be blank).

valid codes 1 - 9 or blank .

Section V Machinery

Valid codes 1 - 9 or blank for all the cages.

Section VI livestock and Poultry

Check for numeric or blank.

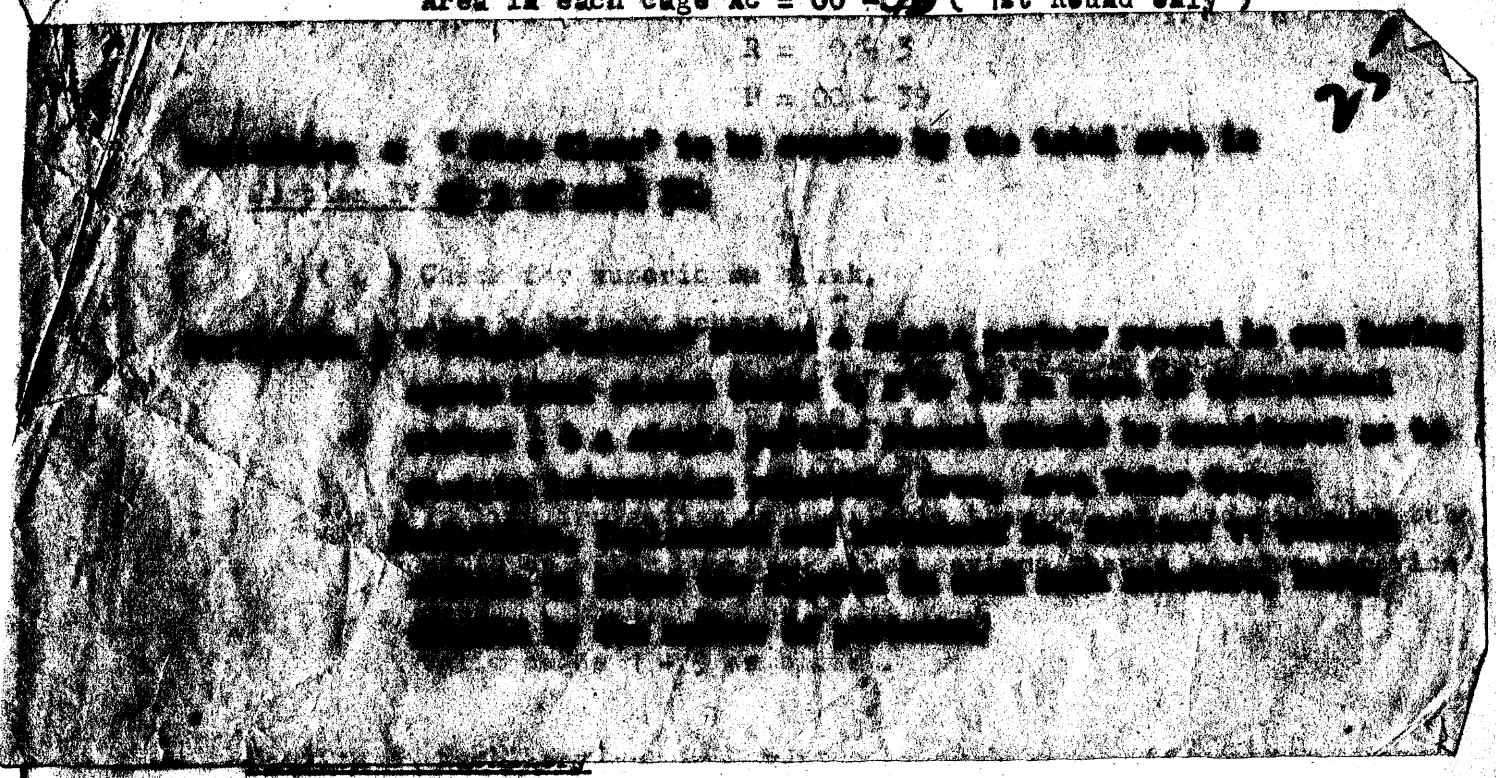
All the Cages.

** The consistancy of the village lists, should be checked with the list, that will be sent along with the schedules of each district.

** Programs TABLOK1 LOKUP1 are need for the above purpose.

(c) Cages may or may not be filled

Area in each cage AC = 00 - 50 (1st Round only)



Valid codes 1 - 9 or blank for all the cages.

Section VI livestock and Poultry

Check for numeric or blank.

All the Cages.

** The consistancy of the village lists, should be checked with the list, that will be sent along with the schedules of each district.

** Programs TABLOE 1 LOKUP 1 are used for the above purpose.

Tables

45 tables are to be prepared. Of these tables 10, 11, 12 13, 14, 15, 16, 17, 18, 19, 20, 24, S1, S2, and S3 has to be prepared for the whole country with the Sri Lanka file. The rest may be prepared from the respective district files or the Sri Lanka file. The input files to the respective printing programs are stored as summary files which are consolidated at the end to give Sri Lanka tables. This is necessary only for tables with size class stubs. Common AGA master files is provided for all printing programs.

All programs are catalogued in the private coreimage library USRCL5. Job streams are created for each table or set of tables & their names are written in red on flow-charts.

Programming language used is R.P.G. except in the tables S3 & S4 which are written in COBOL.

COMPUTERISATION OF AGRICULTURE CENSUS DATA - 1982.

1. GENERAL DESCRIPTION

There are roughly 1.8 million schedules. Data of each schedule is taken into 8 records of 80 bytes each. This will give 14.4 million records which need a considerable time to process. Therefore it has been decided to process a sample of 10 percent to obtain a quick result at the start.

The 10 percent sample was selected by the agriculture division and with this data master tapes are created and district wise tables and Sri Lanka tables were produced.

After the completion of the 10 percent sample the balance 90 percent will be processed, district wise and the master tape thus produce will be merged to the sample master tapes to give the 100% master tapes.

2. RECEIVING OF SCHEDULES

Schedules are received district-wise at the counter along with a list of number of census blocks G.S. wise or if urban, town wise.

They are in bundles of G.S.divisions and each bundle consists books one for each census block.

A count of number of books in each bundle is taken and it is checked with the above list at the counter.

Another list giving number of Villages, Census blocks and schedules is provided in each bundle.

Data Entry division is of 4 units. The supervisor of each unit is issued an A.G.A. , who maintains an issue register giving the district, A.G.A. , number of village and census blocks taken from the list provided with each bundle.

Each data - entry operator is issued a G.S.division, who takes a count of records entered from the machine and submitted to the supervisor to check with his count in the issue register.

2...

3. DATA ENTRY

Data Entry is done by two systems.Viz. using DE/RPG program on IBM 5280 off-line machines and WSU program in IBM34 online system.

(a) DATA ENTRY USING DE/RPG. PROGRAM ON IBM 5280

This program creates 8 screens for 8 record types successively.

Feilds of 2 or more digits cannot be half filled leaving the rest blank as these feilds are made mandatry - fill which checks shifting error of the feilds.

Feild 1 - 16 cannot be blank, if blank cursor will not move & display error message.

Identification section is entered only once in the 1st record and it is copied onto the remaining 7 records of a schedule.

100% verification is done.

(b) DATA ENTRY USING SYSTEM 34

Creates 8 screens for 8 record types . Check ranges in addition to the checks listed in (a).

Take a count of weekly output of operators.

4. EDITING

Is done seperately for each A.G.A. or town for a district.

Consists several programs.

(1) Convert 80/8000 tape into 800/8000

(2) Creates a village list to check the consistancy of village codes.

(3) Check validity of ID. informations , area, ranges whether feilds are numeric, consistancy of partner and areas etc.

(4) Update error file.

3...

If ID. information of a record is wrong , the 8 records of the whole schedule are printed otherwise only the error record is printed in the error printout.

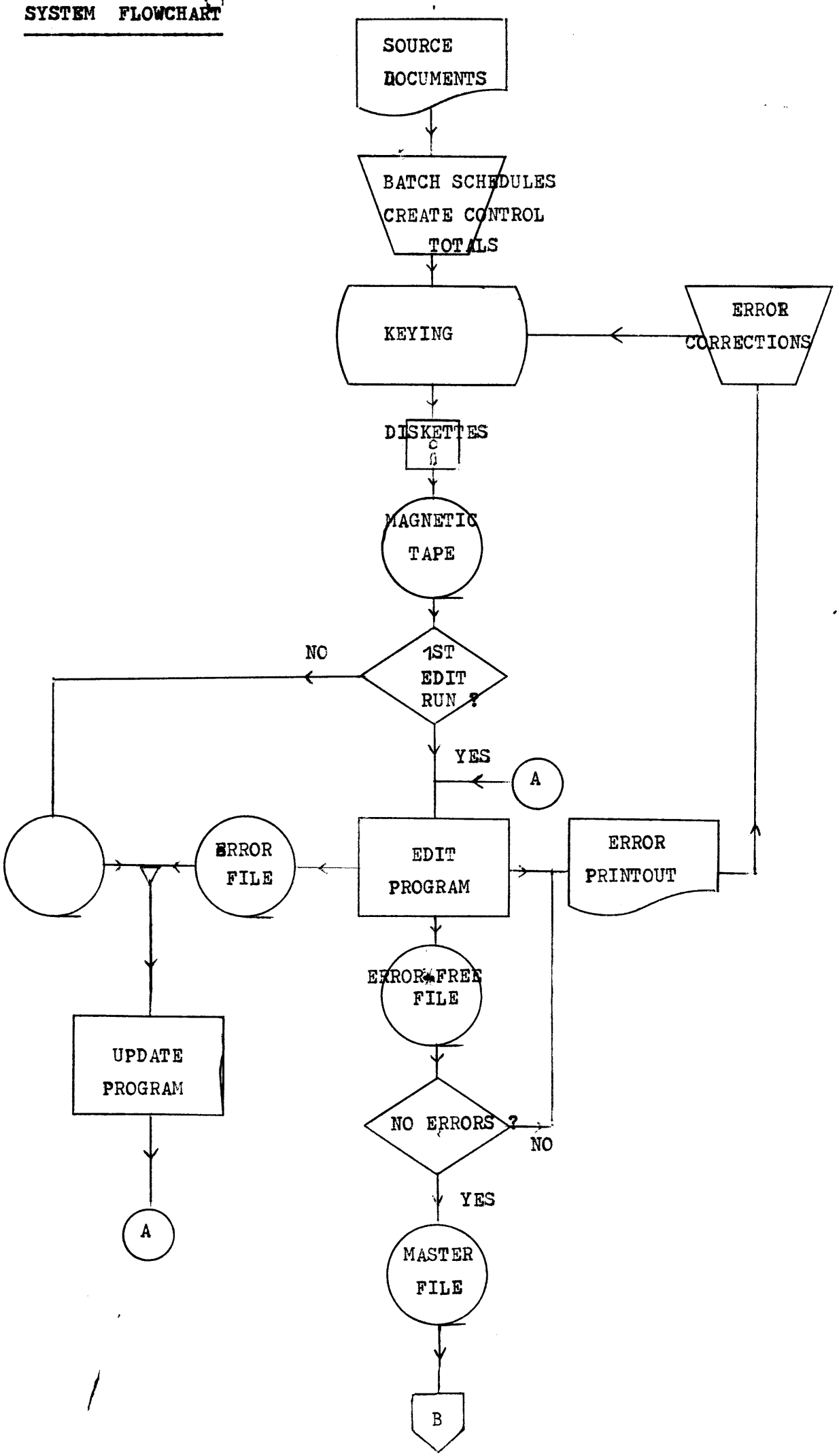
At the end of each census block and A.G.A. division a count of error and error free records are taken for control checking with subsequent edit runs.

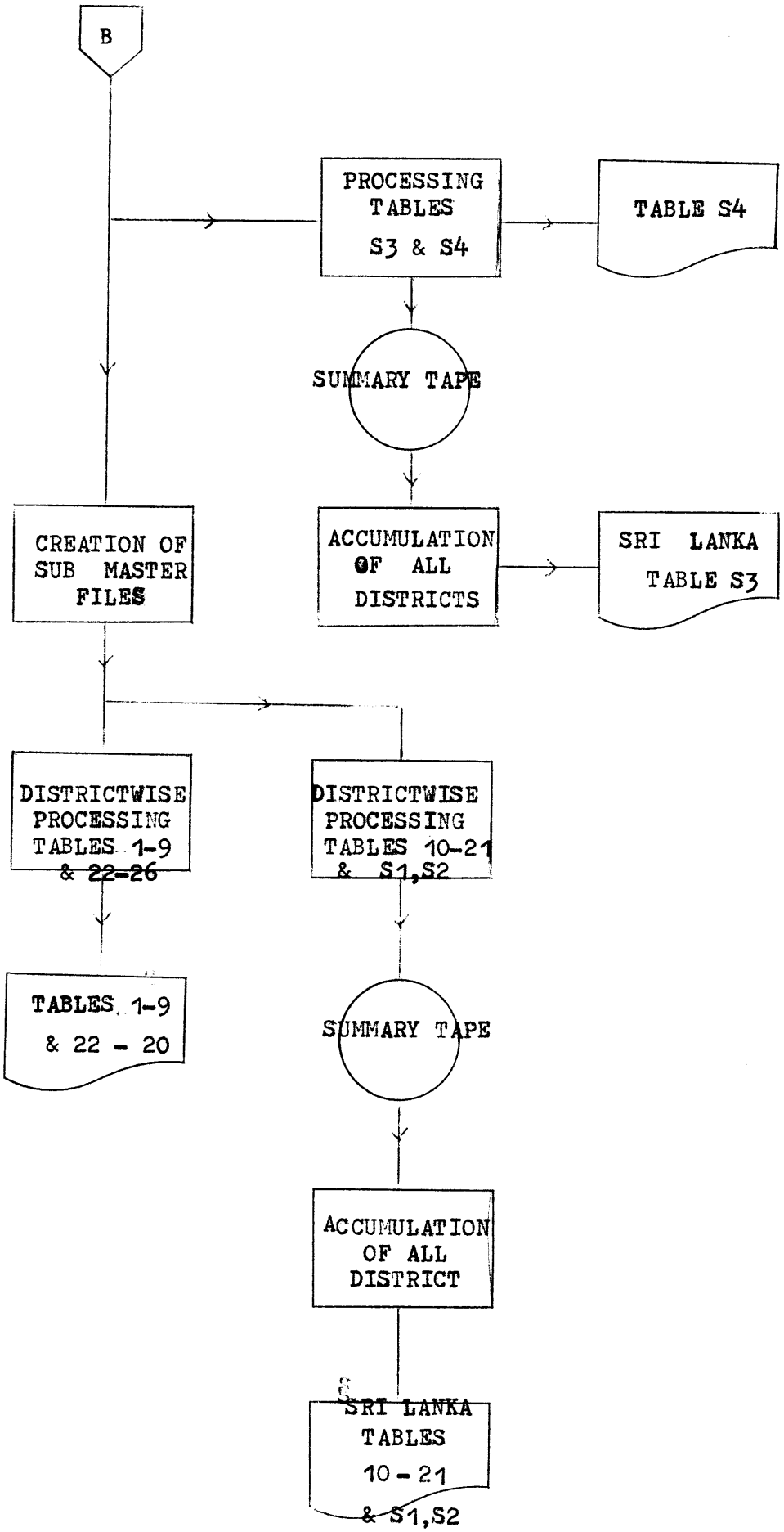
5. TABLES

45 Tables are to be prepared of these some tables are prepared with the Sri Lanka master file while the rest with respective district master files and inputs to their printing programs are stored as summary files to be consolidated at the end to give Sri Lanka tables.

All programs are catalogued in a private coreimage library. Job streams are created for each table or set of tables.

SYSTEM FLOWCHART




B
PROCESSING TABLES S3 & S4
TABLE S4
SUMMARY TAPE
CREATION OF SUB MASTER FILES
ACCUMULATION OF ALL DISTRICTS
SRI LANKA TABLE S3
DISTRICTWISE PROCESSING TABLES 1-9 & 22-26
DISTRICTWISE PROCESSING TABLES 10-21 & S1,S2
TABLES 1-9 & 22 - 20
SUMMARY TAPE
ACCUMULATION OF ALL DISTRICT
SRI LANKA TABLES 10 - 21 & S1,S2

CENSUS OF AGRICULTURE 1982

CREATION OF INPUT FILE FOR EDITING

There will be three types of sources from which input data will be recieved.

1.CARDS.
2.5280 DISKETTES.
3.SYSTEM 34 DISKETTES.

1.CARDS. Use the DITTO CDTP UTILITY PROGRAM to copy cards onto tape.100 records per block.

2.5280 DISKETTES.Submit DKTDK PROGRAM from SR10.Include the no of extent cards according to the no of diskettes recieved.The DLBL CARD IS 'AGRI'.

```
INPUT=DISKETTE,OUTPUT=DISK,RECORD SIZE=80,BLKSIZE=800.
```

Once copying is over submit DISTP PROGRAM from SR10 and SORT output file onto tape and backup.

```
INPUT=DISK,OUTPUT=TAPE,RECORD SIZE=80,INPFIL=800,OUTFIL=8000.
```

3.SYSTEM 34 DISKETTES.Data will be transferred onto diskettes through the PUTDK PROGRAM.Submit ~~DKTP~~ DISTP PROGRAM from SR10 to copy data onto TAPE.Six extent cards should be included. DLBL CARD IS ~~'AAAA'~~.9 FILES could be copied onto one tape.

```
INPUT=DISKETTE,OUTPUT=TAPE,RECORD SIZE=80,BLKSIZE=800.
```

Use the SPSRT PROGRAM to sort the 9 FILES into 1 file.

```
INPUT=TAPE,OUTPUT=TAPE,RECORD SIZE-80,INPFIL=800,OUTFIL=8000.
```

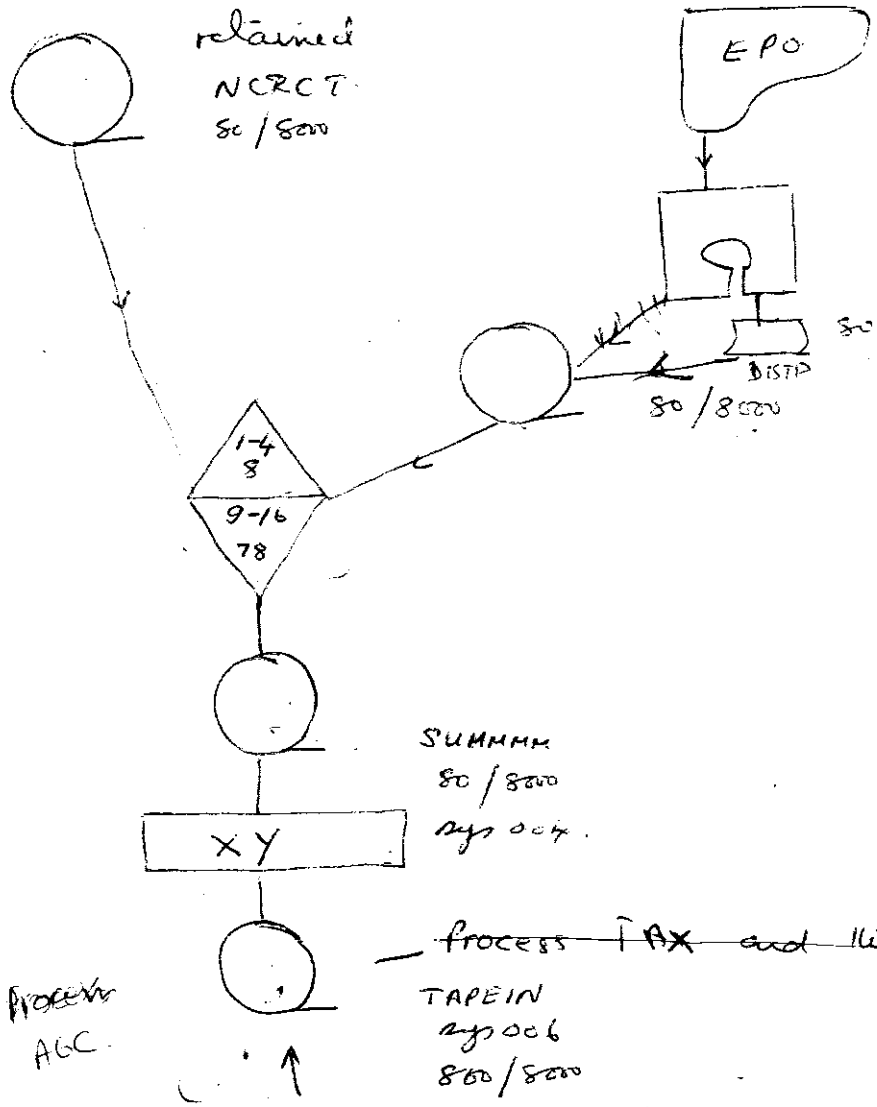
SELECT
S/34 { DKTDK1 DISK 243 DKTD
1ST START

ERROR PRINT EDITING

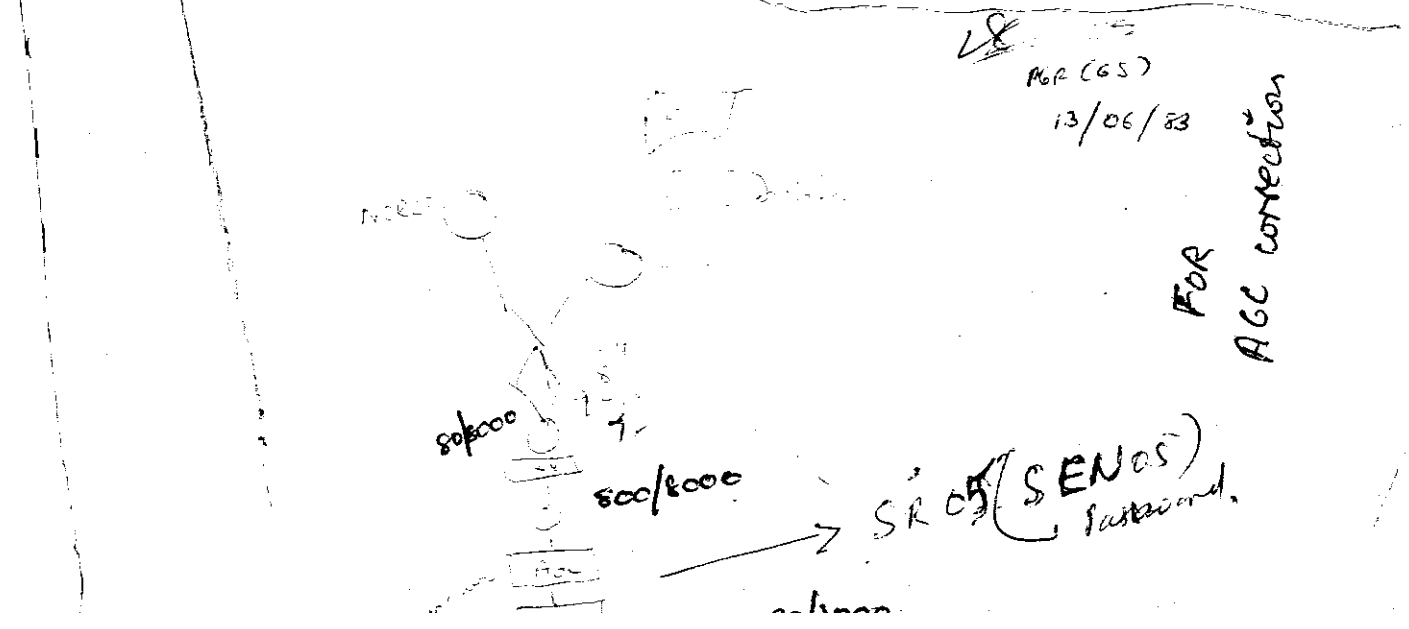
Error records will be keyed at the 5280 DATA ENTRY MACHINES. The procedure used to create raw data files from 5280 DISKETTES could be used for creation of error print tapes.

AGRicultural Census 1982

2nd & subsequent edit runs.



input this tape to Program A & proceed as for a first edit run.



NCRCT file.

From 10/06/83, record length of NCRCT file has been changed from (8000/800) to (8000/80).

When NCRCT files for AGA Divisions (DIST 24)

01
03
09 urban
09 rural ( )

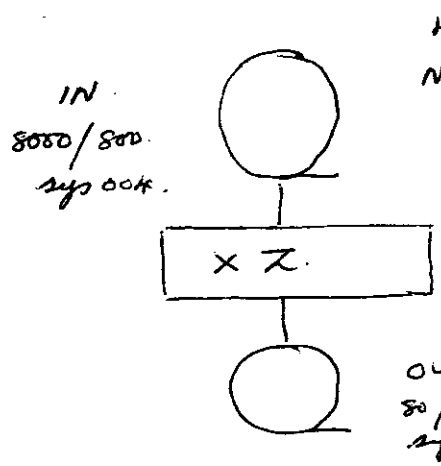
are taken for 2nd edit run their record length should be brought from (8000/800) to (8000/80) using a new program.

IGR GS 10/6/83

AGA Rural Census 1981

Please change the record lengths of the following files from (8000/800) to (8000/80).

NCRCT file	AGA	01	Rural	DIST 24.	created on 20/05/83.
" "	AGA	03	R	DIST 24.	20/05/83
	AGA	08.	Urb	" "	10/06/83
		08	Rural	" "	



retained NCRCT

SR16.

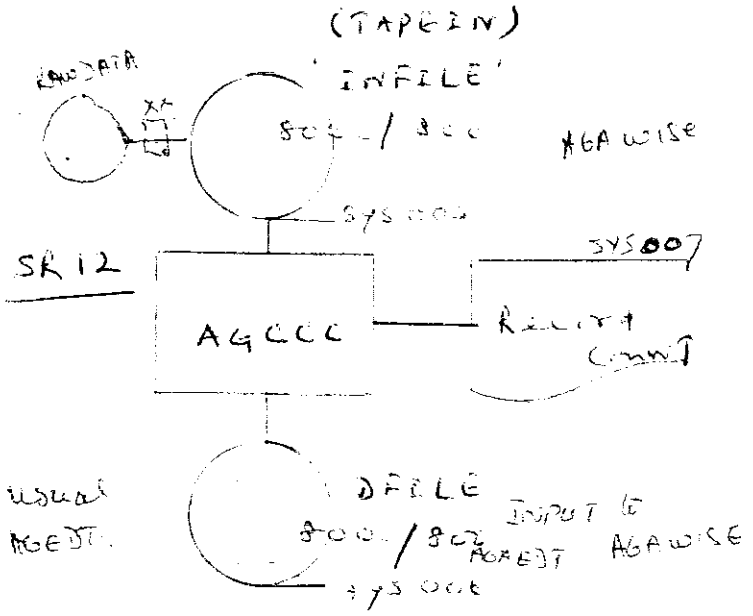
Rename this as NCRCT 80/8000. & retain.

PGR (GS) 13/06/83.

10/03/12

Agriculture census -'92

Please run program 'AGCCC' (TAPEIN) before the edit run of the master for remaining districts.

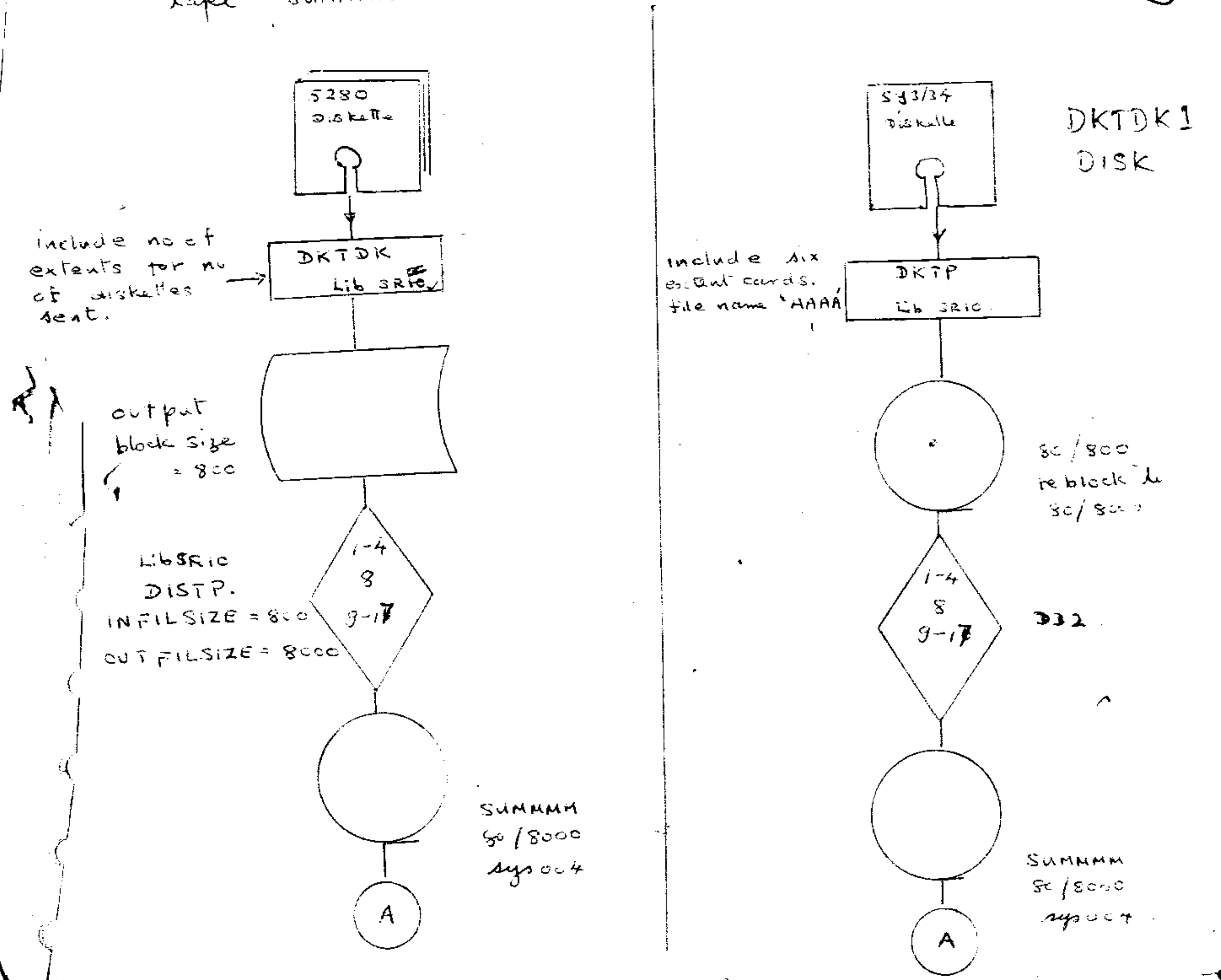


This has to be done only before the edit run.

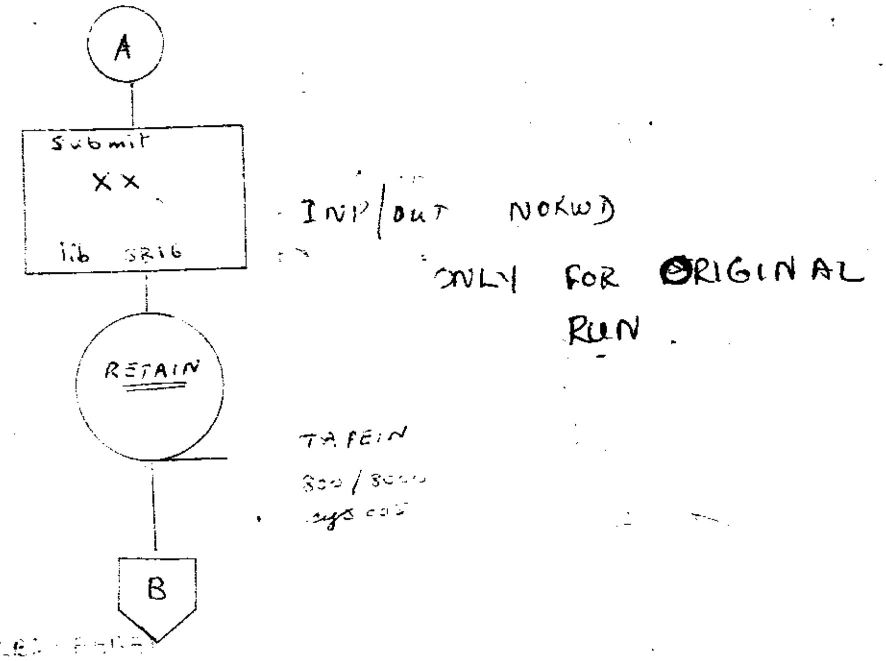
CENSUS OF AGRICULTURE – 1982.

EDIT PROCEDURE

(1) Copy data from diskette to tape & prepare sorted tape SUMMMM.



(2). Create tape 'TAPEIN' (800/8000).

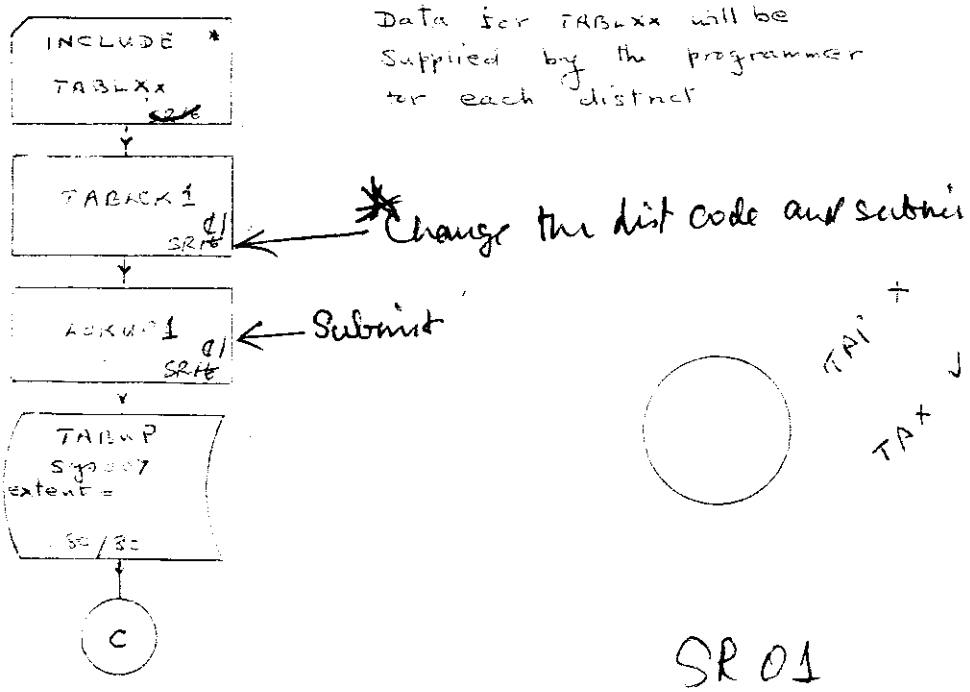


(… & BS files)
SR 21 - library
SYS … files - DKTDK1 …
&
DISTP …
(original & …)
…/85

(3) Run Edit Program

(a) Generate Table cards 'TABUP' in disk

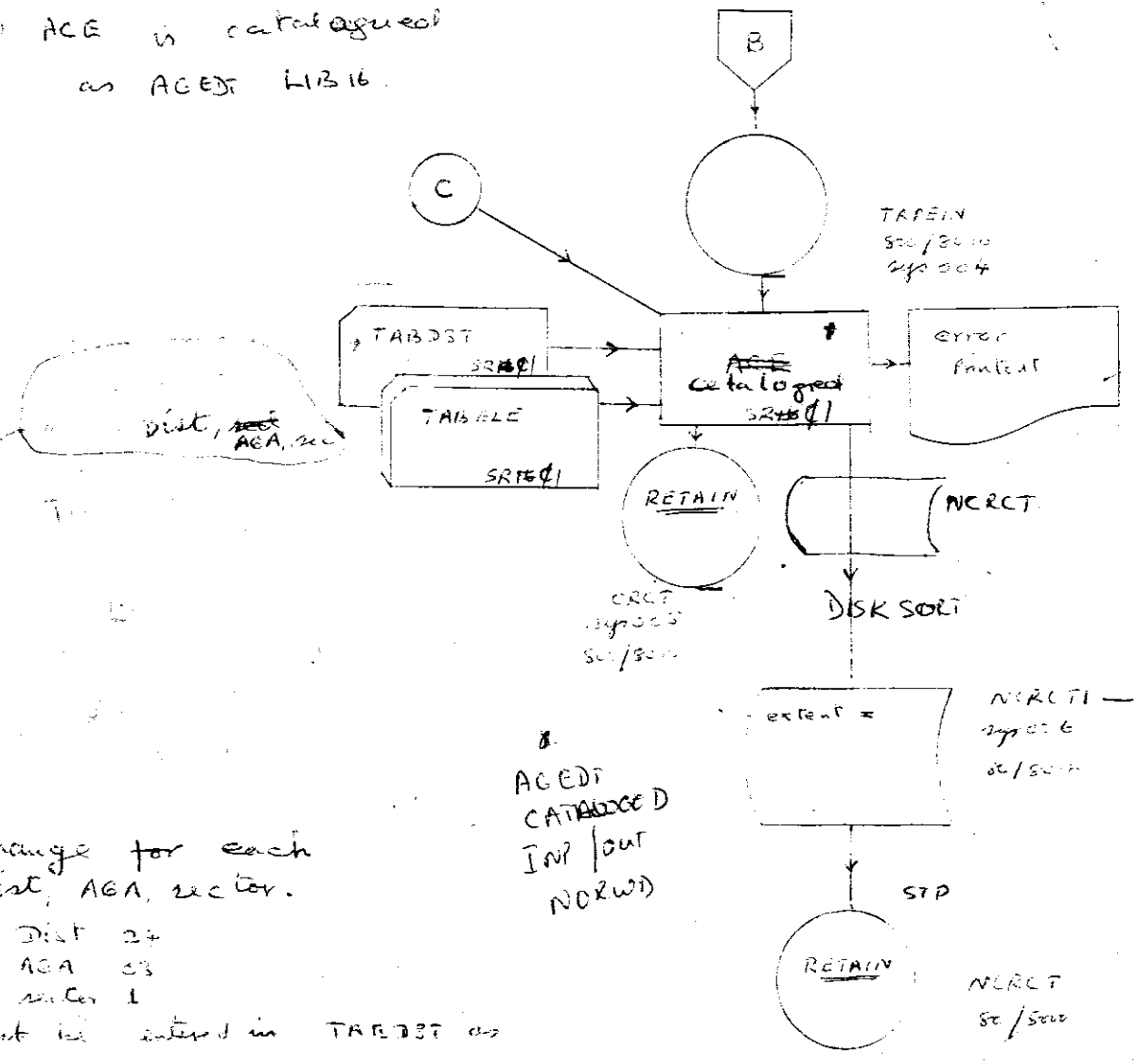
* XX - DISTRICT CODE
Data for TABLXX will be supplied by the programmer for each distinct



SR 01

(b) Run ACE.

(c) ACE is catalogued as ACEDT LIB16.



* change for each Dist, AGA, sector.

ie Dist 24
AGA 03
Sector 1

Insert is entered in TABDST as

24031

* FOR Kurunegala TABL171 and TABL172 are used.

CENSUS OF AGRICULTURE.

1st edit run

(a) Data keyed - in on diskettes are taken to a tape (80/8000). AGA wise.

(b) Sort data as shown in the flowchart.

(c) Do xx and obtain output on tape (800/800).

(d) Do ADE

(e) Retain NCRCT file containing error records (80/8000).

(f) Retain CRCT file containing correct ~~ses~~ records (800/8000)

(g) Send error print (1) (AGAwise) to the Agriculture Division after the record counts are entered in the register which is with PGR.

(h) Corrected error printouts (1) are received by the counter. along with two sets of data. ie

(1) Invalid cards to be deleted.

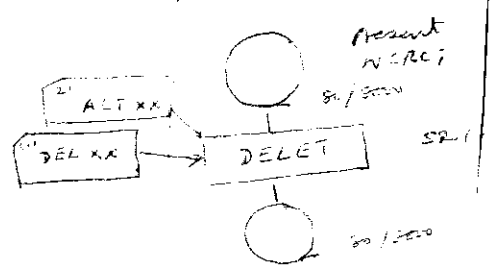
(2) Alterations to be done in ID information.

(i) Corrected error printouts (1) are sent to computer supervisior.

In the mean time deletions list and alterations list are keyed-in to SRO1 & saved as DELXX & ALTXX respectively where XX is the District code. These serve the program DELET (SRO1) as table cards.

The 1st table file to be included is IELXX & the 2nd is ALTXX.

flowchart for deletions + Alterations



DELXX has columns 1-16 ---> From Dist code to Household code

ALTXX " " 1-14 ----> Wrong ID

15-28 ----> Altered ID from Dist code to CB number.

FORMAT OF DELXX

	Columns
DIST	1-2
AGA	3-4
ELECTORATE	5-7
SECTOR	8
GS/MC/UC/TC	9-10
VILLAGE/ WARD	11-12
CENSUS BLOCK NO.....	13-14
HOUSE HOLD NO.....	15-16

FORMAT OF ALTXX

Existing ID

DIST	1-2
AGA	3-4
ELE	5-7
SEC	8
GS/MC/UC/TC	9-10
VIL/WD	11-12
CENSUS BLOCK	13-14

ALTERED ID

DIST	15-16
AGA	17-18
ELE	19-21
SEC	22
GS/MC/UC/TC	23-24
VIL/WD	25-26
CENSUS BLOCK	27-28

(j) Run DELET with the NCRCT files & make this file ready for a second or subsequent edit run.

(k) In the mean time advise computer supervisor to key corrected error printouts, such that the corrected error record is keyed with a number in column 73. This number becomes 1 if the errorprint concerned is the 1st. If it is the 2nd E.P. then this number becomes 2, & so on.

2nd Subsequent Edit Runs.

(l) Computer supervisor finishes keying error printouts & sends deskettes to the [illegible] [illegible] [illegible]

(m) [illegible] (1) [illegible]

(n) [illegible] (k), [illegible] & continue

[illegible]

[illegible] the C[illegible] Fil[illegible]. These records can be eliminated [illegible] (SRC)

[illegible] ([illegible]) [illegible] (C[illegible]/000) [illegible].

(j) Run DELET with the NCRCT files & make this file ready for a second or subsequent edit run.

(k) In the mean time advise computer supervisor to key corrected error printouts, such that the corrected error record is keyed with a number in column 78. This number becomes 1 if the errorprint concerned is the 1st. If it is the 2nd E.P. then this number becomes 2.& so on.

2nd Subsequent Edit Runs.

(l) Computer supervisor finishes keying error printouts & sends deskettes to the computer room. Mean-while the PGR is also informed that the new deskettes are ready for a 2nd or subsequent edit run.

(m) Merge NCRCT obtained from (j) with the records in (l) & run XY after sorting into proper order as given in the flowchart. & run ACE.

(n) Continue from (e). destroy earlier NCRCT RETAIN present NCRCT MERGE new CRCT with earlier CRCT & prepare correct records file. & continue

Duplicate Elimination in D District Files.

Due to various reasons duplicate records may come into the CRCT File. These records may be eliminated by breaking the records into 8 card types using program XZ. (SR01)

Use sort (used before XY) & do XY. Out put (800/8000) is a duplicate free CRCT tape.