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USERS' MANUAL

PROJECT DIRECTORY

MANAGEMENT INFORMATION SYSTEM UNIT

MINISTRY OF FINANCE AND ECONOMIC PLANNING (PLANNING SECTION)

GOVERNMENT OF THE SUDAN

PROJECT DIRECTORY

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I. INTRODUCTION

Welcome to the Project Directory management information system of the Ministry of Finance and Economic Planning, Government of the Sudan. This system is designed to help in the monitoring and coordination of foreign loan and grant activities in the Sudan. The basis of the system is the commercially available software dBASE III [(c) Ashton-Tate Inc.]

As part of the overall Management Information Systems program of the Ministry, the Project Directory has been planned to meet two goals. First, it will provide a database for use in achieving greater coordination of donor activities. Second, it will enable the Planning Section of the Ministry to maintain its own accounts with regard to foreign loans and grants, rather than depending entirely on the accounts of the donors themselves. Information is provided on (a) current and planned donor-sponsored development projects, including both original agreement and current state of financial accounts, (b) actual physical implementation or execution of the project, (c) Sudanese and/or expatriate contractors and other personnel working on the project and (d) all reports or other documents and publications resulting from projects or their evaluations.

Data for this system come from the records of the Ministry of Finance and Economic Planning and from information provided by bilateral and multilateral donors and lenders. Data were initially collected between July 1984 and August 1985. Collection procedures included (1) the circulation of forms to the various sectoral offices of Planning Section; (2) circulation of forms to the Khartoum offices of all foreign donors and lenders engaged in project assistance; (3) personal visits of staff from the Management Information Systems (MIS) Unit of the Ministry to both sector offices and foreign donors; (4) follow-up letters and visits to those foreign donors who failed to respond. The data in the system is to be updated following the procedures outlined in this User Manual. Responsibility for continuing data collection and updating lies with the MIS Unit of the Planning Section of the Ministry of Finance and Economic Planning, but is dependent on cooperation from both foreign donors and lenders, and executing agencies and sectoral offices within the Sudanese government.

This system has been developed as part of a Management Information Systems project carried out in the Ministry of Finance and Economic Planning. The project was funded by the Agency for International Development of the United States of America. Senior Technical Advisors for the project were Professors Craig Calhoun and Dale Whittington of the University of North Carolina at Chapel Hill. Programming and training was also done by William Drummond and Laura

Drummond. Faisal Salih and Shadia Bakhiet participated on behalf of the Ministry of Finance and Economic Planning, under the direction of Victor Wahba and Dr. A. A. Zaki. All software produced is the public property of the governments of the United States of America and the Republic of the Sudan.

II. EQUIPMENT

The Project Directory system is designed to run on IBM-PC computers or computers which are compatible with the IBM format. This includes, for example, Compaq, Panasonic, ATT and some models of several other brands. The necessary equipment has been supplied by USAID along with the system. This section details this equipment and its operation. Brief notes are also added on other equipment currently in use in the Ministry. Of course, new equipment may be added by the Ministry at any time, and so it is important to check to see whether the equipment in use corresponds to that described here. In some cases, different equipment will necessitate slightly different procedures.

The equipment supplied consists of IBM-PC computers, monochrome displays, and Epson LQ-1500 printers. Other equipment in the ministry includes (1) another IBM PC system with two disk drives. This computer (which was provided by the UNDP/IBRD training project) will run all of the MIS programs developed by the current project. It does not, however, have a graphics adaptor. Therefore it cannot run Lotus graphics displays. This system also has a less advanced Epson printer called the FX100, which does not have all the features of the LQ1500, though it works in a generally similar manner. (2) A Kaypro portable computer (purchased by the USAID as part of a different project) has been left with the Ministry's MIS Unit following its use in a training program. It is not compatible with any of the IBM programs developed for the management information system and is used primarily for word processing. It has an Okidata 92 printer which is, however, completely compatible with IBM computers and may be used for any of the printing tasks discussed in this manual. Users should be sure, however, to check that their software is adjusted to the Okidata printer when it is in use.

The Machines

1. IBM PC-XT. Two IBM PC-XTs have been supplied to the MIS Unit. They are each equipped with one floppy disk drive, one hard disk drive, an IBM monitor, a Hercules Graphics Board, and 512k of memory. From the outside, each appears to consist of three pieces: (i) a system unit, which is a large box which has the two disk drives on the front and various connectors on the back, (ii) a keyboard, which plugs into the back of the system unit, and (iii) the display, which has a

screen and looks something like a television. The display ordinarily sits on top of the system unit; it also plugs into the back of it. On the display, two knobs adjust the quality of the picture. Whenever the picture is unclear or not bright enough, these knobs may need adjustment. If there is still no picture at all, the user should check to see if both the power cord and the monitor cable are correctly plugged into the back of the system unit.

The main electronic components of the computer are inside the system unit. These include its central processor unit (CPU) and a variety of other devices. None of these can easily be serviced by the user. If there is any internal problem, a qualified service representative should be called. The hard disk is also completely enclosed within the computer's system unit. In addition to the standard equipment, the computers in the MIS Unit have 256k of extra memory chips, bringing the total for each to 512k. Each also has a Graphics Adaptor--a small board which fits into a slot in the system unit and gives the computer extra capacity. Some programs need to be 'initialized' (or told when they are first used) that there is a Graphics Adaptor installed. The DOS and LOTUS diskettes for use on this machine have already been initialized and will load the drivers for the appropriate card. In ordinary use, these internal characteristics of the machine need not concern the user.

On the back of the system unit are several plugs and other connectors. There are two plugs for electrical current. One is an output, usually used for the display; the other is an input to bring electrical power to the machine. BOTH ARE 110 VOLT AC. A transformer has been purchased for use with the machines. In addition to the electrical sockets, there are (a) a socket for the keyboard connector cable, (b) a port for the display cable, (c) two parallel ports (the smaller one of these is called a DB25 connector and is used for the printer cable, the other is a Centronics parallel port and is not used in the current system), and (c) a serial port, for which the connector is a female DB25 with a standard setting for output.

A complete IBM User's Manual has been supplied for technical information on this computer, and an Epson manual for the printer.

2. EPSON LQ-1500 PRINTER: The MIS Unit has been supplied with one Epson LQ1500 printer. This is Epson's top-of-the-line printer, and features a wide carriage, a large range of type faces and programmable print controls, full graphics capacity and letter quality printing, all at relatively high speed. Drivers for this model of printer have been installed on the standard disks containing software for the MIS programs. Drivers are also available, however, for various other printer models including the Epson FX-100 and Okidata printers already in the Planning Section of the Ministry.

Users should check to be sure that any software they are using is initialized for the correct printer. Some software, such as LOTUS PrintGraphs specifically prompts the user to indicate the kind of machine in use. The Epson LQ1500 will run on the settings for Epson MX-100.

For word processing and other uses, the Epson supports a full range of software options such as several pitches, condensed printing, microjustification, etc. It has the ability to print draft copy at high speed or letter quality at a slower speed. Letter quality may be selected by either (A) sending the escape code x1 to the address LPT1 or (B) setting dip-switch B-7 on the back of the printer to 'on'. The former procedure is to be preferred because dip switches are very fragile. In order to facilitate use of procedure 'A', files named LQ.BAT have been placed on all copies of the Wordstar wordprocessing software in the MIS unit. To use letter-quality print, make sure that a diskette with this file is in drive A, then type LQ.BAT at the DOS prompt A> . This will run the file LQ.BAT which contains the instructions to send another file, LQ.TXT, to the LPT1 device (i.e. to the printer). LQ.TXT in turn contains the appropriate escape code.

The Epson printer uses a standard parallel printer cable, which has been supplied. It will print on any ordinary paper, including single sheets, forms, pin-feed and traction. A paper guide is provided for using perforated, fan-fold computer paper. An initial supply of paper has been provided in both standard 8 1/2" letter size and 14" graphics size for Lotus spreadsheets.

To use the printer, first turn it on; the switch is on the left side. Then check to see that the light next to its "on line" switch is on. If it is not, push the button for that switch. The lights for 'power' and 'ready' should also be on. The top of the page of paper on which printing is to begin should be positioned properly. Depending on software settings, this may mean at the paper guide (the bar which goes across the page and holds paper in place) or at the top of the print head (the device that actually does the printing). The black lever on the left side of the printer carriage releases the friction and allows the paper to be adjusted. This is especially useful for side-to-side adjustment. The left edge of the paper should usually be just at the left side of the print head.

On the printer control panel, near the power, ready, and on-line lights, are switches for 'form-feed' (FF) and 'line-feed' (LF). These move paper through the printer. Form feed moves a page at a time; line feed moves a line at a time. The printer must be "off-line" to use these controls (it is "on-line" when the light next to that switch is on; "off-line" when that light is off). Remember to turn the printer back on-line before attempting to resume printing.

Other Equipment Matters

DISKS

Like other microcomputers, the IBM computers supplied use 5 1/4" floppy disks to store data and software. Each disk holds approximately 360,000 (360k) bytes of data. This is the equivalent of about 125 pages of typing.

Magnetic disks are an inexpensive storage medium, but unfortunately they are quite fragile. They must be treated with care. Always return disks to their holders. Store in boxes away from dust, moisture, and metal objects. Pressure can also damage disks. Do not write on them with pencils or ball point pens; if it is necessary to write on a label which is already on a disk, use a felt-tipped pen. In general, it is better to write labels first, and then attach them to disks.

Program disks can be protected from accidental erasure by the use of a "write-protect" tab. This is a small piece of plastic with adhesive on one side. Most manufacturers provide several write-protect tabs in each box of new diskettes. The write-protect tab is placed over the small notch on the side of the diskette. It will prevent the storage of any information on the diskette, and must be removed if such storage is desired. Despite the best of care, disks eventually wear out. A good floppy disk can be used, erased and reused dozens of times, but sooner or later data will be lost from it. There is no way to prevent this except to keep a backup copy.

Always make backup copies of disks containing either data or programs. This can be done in IBM PC-DOS by using the following commands. Load DOS. At the 'A>' prompt, type "diskcopy a: b:" The computer will then ask that the SOURCE diskette be put in drive A and the TARGET diskette in drive B. After you have done this, hit RETURN, and the disk in drive A will be copied onto that in drive B. If you are copying program disks, it is always a good idea to have a write-protect tab on the one you place in drive A. Always label disks as soon as you have entered data or programs onto them. [DOS functions are discussed further in the next section, GETTING STARTED, below.]

ELECTRICAL POWER

WARNING: ALL MACHINES PROVIDED BY THE USAID/MIS PROJECT RUN ON 110 VOLT ALTERNATING CURRENT. IF THEY ARE PLUGGED DIRECTLY INTO STANDARD 220 VOLT SUDANESE CURRENT, THEY WILL BE DESTROYED.

Transformers have been provided. The transformers receive 220 volt current from the standard wall outlet, or

from an uninterruptable power supply (UPS) which in turn receives the power to charge its battery from the wall outlet). They send 110 volt current on. The transformer should be plugged into the Surge Protectors which have been provided. Each surge protector has several outlets and can power both computers and printers. Each surge protector also has a fuse and circuit breaker device which will shut off power in the event of an extraordinary spike or other short-term surge. This is an important protection for the computers, which otherwise easily can be damaged. When turning machines on, it is best to start with the wall outlet and proceed step by step, turning on the computer itself last. The reverse procedure should be followed to turn machines off: first turn off the computer, printer and other equipment; then turn off the surge protector; then turn off the wall outlet; then turn off the master switch for the room, or set of wall outlets, if there is one.

The IBM PC and printer provided by the UNDP/IBRD training project run directly on standard Sudanese 200 volt current. It should not be plugged into a transformer, or into any device running on power from a transformer (such as a surge protector). Users should note that its display must be separately plugged into a power source, and separately turned on.

REMINDER: COMPUTERS CAN BE DAMAGED VERY EASILY. PROTECT THEM FROM DUST BY USING THE DUST COVERS WHICH HAVE BEEN PROVIDED. IT IS ALSO BEST TO USE COMPUTERS ONLY IN ENCLOSED, AIR CONDITIONED ROOMS. PROTECT THEM FROM SMOKE (DO NOT SMOKE WHILE USING THEM). PROTECT THEM FROM MOISTURE. BE SURE THAT THE PROPER ELECTRICAL CURRENT IS USED AT ALL TIMES.

III. GETTING STARTED

Which System To Use

The Development Project Directory is divided into two distinct parts: the Ministry Directory, and the Donor Directory. These parts are technically separate sub-systems, stored on different diskettes. Each sub-system has a different source of information with its own input form. Data for the Ministry Directory come from the internal records of the Ministry of Finance and Economic Planning. Data for the Donor Directory come from the various donors who make grants and/or loans to the Sudan (for example, USAID, the Saudi Development Fund, the World Bank, etc.). The user must decide which set of information she or he wishes to access and select that system. While much of the information on the two systems is similar, some of it is very different. This is because the records of the Ministry and a donor may disagree. Especially when adding new data, it is necessary to insure that the correct system is used. Input forms titled PROJECT DATA SHEET (MFEP) should be entered onto the Ministry Directory. Input forms titled PROJECT DATA SHEET

(DONORS) should be entered onto the Donor Directory.

Although there are different sub-systems for the Project Directory, they function in exactly the same manner. The main menu for each, with its various options, is identical. The following system description and instructions for its use are generic. That is, they apply equally to each. The crucial first task is selecting the correct one. References in this manual to "the Project Directory" or "the system" should be understood as applying to either sub-system of the whole Development Project Directory. The few instances where the sub-systems have different structures will be noted distinctly.

System Description

The Ministry Directory and the Donor Directory each consist of two databases. The Project database has one record for each project and contains most of the information relating to that project. The Donor database has one record for every donor associated with a single project. There may be several donor records for one project, or there may be none.

The data for each database is taken directly from the input form. The donor data is taken from item 16 of the PROJECT DATA SHEET (DONORS), and from item 17 of the PROJECT DATA SHEET (MFEP). The project data is from the rest of the form.

The structure of the Project database is:

1. MISPROJID - Management Information System internal project identification number. Each project in the database is assigned a unique identification number by the MIS staff.
2. PERSENTER - The name of the person entering the data form into the computer.
3. DONOR - For records containing project information received from donors, this field lists the name of the donor providing the information. For records with information provided by MFEP, this field is blank.
4. PREPYEAR - The year in which the form was prepared.
5. PREPMON - The month in which the form was prepared.
6. PRIDNO - For MFEP forms, this is the internal Ministry project number. For Donor forms this is the donor's project number.
7. TITLE - The short title of the project.
8. SECTOR - The official government economic sector within which the project lies.

- 9. SUBSECTOR - The official government economic sub-sector within which the project lies.
- 10. REGION - The geographic region of Sudan, or overseas location in which the major portion of the project activity takes place.
- 11. OBJECTIVES - Text of the overall project objectives.
- 12. STATUS - Whether the project is proposed, under negotiation, being implemented, completed, suspended, or cancelled.
- 13. DESCRIPT - Text briefly describing the project.
- 14. INPUTS - Text listing major project resource inputs.
- 15. OUTPUTS - Text listing major project outputs.
- 16. TARGETS - Text describing intended target groups, or project beneficiaries.
- 17. DURATION - Duration of the project in years.
- 18. STARTYEAR1 - Original starting year of the project.
- 19. STARTMON1 - Original starting month of the project.
- 20. STARTYEAR2 - Revised starting year of the project.
- 21. STARTMON2 - Revised starting month of the project.
- 22. COMPYEAR1 - Original completion year of the project.
- 23. COMPMON1 - Original completion month of the project.
- 24. COMPYEAR2 - Revised completion year of the project.
- 25. COMPMON2 - Revised completion month of the project.
- 26. CENTRALMIN - Responsible central ministry or Sudanese executing agency.
- 27. DEPARTMENT - Responsible department of Sudanese executing agency.
- 28. CONTNAME - Name of principal Sudanese contact person.
- 29. CONTPOSITN - Position held by principal Sudanese contact person.
- 30. CONTORGNIZ - Organization of principal Sudanese contact person.
- 31. CONTPHONE - Telephone number of principal Sudanese contact person.
- 32. PROGRESS - Whether progress is satisfactory, behind schedule, or ahead of schedule.
- 33. PROGREMARK - Text of remarks on project progress.
- 34. TOTCOSTLS - Total project cost in Sudanese pounds.
- 35. TOTCOSTDOL - Total project cost in U.S. dollars.
- 36. FORCURENC - Foreign currency used to calculate project costs for donors. (This is not available on forms from the Ministry.)
- 37. FORCOSTAMT - Amount of foreign donor contributions for all donors, in foreign currency. (Not available on Ministry forms.)
- 38. EXCHRATE - Assumed exchange rate for converting foreign currency contributions to equivalent Sudanese pounds. (Not available on Ministry forms.)
- 39. EQUIVLS - Equivalent in Sudanese pounds of foreign donor contributions for all donors. (Not available on Ministry forms.)

- 40. FORLSCNTRB - Direct foreign contribution of Sudanese pounds to project. (Not available on Ministry forms.)
- 41. SUDLSCNTRB - Sudanese contribution to project cost in Sudanese pounds. (Not available on Ministry forms.)
- 42. TODONCNTRB - Total foreign donor contribution to project, the sum of EQUIVLS and FORLSCNTRB. (Not available on Ministry forms.)
- 43. COSTREVYR - Year of the last revision (if any) of cost information. (Not available on Ministry forms.)
- 44. COSTREVMON - Month of the last revision (if any) of cost information. (Not available on Ministry forms.)
- 45. SOURCE - The source of the data: DONOR, or MINISTRY.

The structure of the Donor database is:

- 1. MISPROJID - Management Information System internal project identification. Each project in the Project database is assigned a number. Every donor record in the Donor database contains the same number as the project with which it is associated.
- 2. PERSETER - The name of the person entering the data form into the computer.
- 3. DONOR - The name of the donor.
- 4. GRANT - The amount of the grant being made by the donor.
- 5. GRANTCURR - The currency in which the grant is made.
- 6. LOAN - The amount of the loan being made by the donor.
- 7. LOANCURR - The currency in which the loan is made.
- 8. TOTALCOMMT - The total amount being supplied by the donor. This is the sum of GRANT and LOAN.
- 9. CURRENCY - The currency of the total donor amount.
- 10. AGREEYEAR - The year of the date of the loan or grant agreement.
- 11. AGREEMON - The month of the date of the loan or grant agreement.
- 12. EFFECTYEAR - The year of the effective date of the loan or grant.
- 13. EFFECTMON - The month of the effective date of the loan or grant.
- 14. FRSTDSBYR - The year of the date of the first disbursement made by the donor.
- 15. FRSTDSBMON - The month of the date of the first disbursement made by the donor.
- 16. AMTDSB - The total amount disbursed by the donor to date.

- 17. AMTDSBYEAR - The year of the date of the last disbursement made by the donor.
- 18. AMTDSBMON - The month of the date of the last disbursement made by the donor.
- 19. DONORNAMES - The names of any other donors associated with this project.

STARTING THE COMPUTER

Four diskettes are needed to use the Development Project Directory. They are (in order of use):

1. PC-DOS Version 2.1
2. DBASE III System 1
3. DBASE III System 2
4. DBASE III Project Directory (MFEP) or DBASE III Project Directory (DONORS)

STEP 1. Insert the PC-DOS diskette into the left disk drive (Drive A) of the computer. Turn on the computer. When the machine says

Enter new date:

type in today's date in month number-day number-year number order (for example, July 12, 1985 would be entered as 7-12-85). Now press return. When the machine says

Enter new time:

type in the time as hour:minute (for example, one-thirty would be entered as 1:30). Now press return. You will see on the screen the DOS prompt

A>

STEP 2. Remove the PC-DOS diskette from Drive A (the left disk drive), and insert the DBASE III System 1 diskette. Type the word

dbase

and press return.

STEP 3. When the machine says

Insert System Disk 2 and press Enter
or type CTL-C to abort

remove the DBASE III System 1 diskette and insert the DBASE III System 2 diskette in the left drive (Drive A). Also insert the DBASE III Project Directory diskette into the

right disk drive (Drive B). Now press return.

STEP 4. When you see the DBASE prompt, which is a period (.), you are ready to begin the project directory program. Type

do intro

and press return. You now see the introduction to the project directory system. After reading the introduction, press return to get the main menu. From this you may choose one of any of the eleven options listed by typing that number and pressing return.

MAIN MENU

OPTIONS 1-4. DATA OPERATIONS

These options allow the user to search for existing data, change existing data, or add new data. They use the databases on the computer without reference to printing. See Options 5-10 for information on printing reports.

OPTION 1. Search for Information in the Project Database

Selecting this option allows you to conduct inquiries into the project information in the directory. This option utilizes a facility of the DBASE system called Assistant. A brief description of Assistant is given below, but if you need more information, consult the DBASE III manual. Look up ASSIST in the Index to find the relevant pages.

Press return (enter) after reading the first Assistant screen, which explains how to move around in the Assistant subsystem. You will then see at the top of the screen the following list of options:

Set Up	Modify	Position
Retrieve	Organize	Utilities

You should use either the Position or the Retrieve options to browse through the project directory. Simply moving the cursor onto one of these words will cause a screen of information about how to use the option to appear. The cursor is moved by use of the left and right arrow keys (which are also numerals 4 and 6 on the numeric keypad).

As an example: if you move the cursor onto the word Position, you will see a description of what Position allows you to do. Notice that there are several options under Position. These are

Find	Locate	Continue	Skip
Go	Modify	Retrieve	

By typing the down arrow () you will see a description of the first option, which is Find. Notice also that the top line of the screen has changed. It now lists the options under Position. You can move the cursor onto any of these options and press return to use that option.

There are several other things to notice about Assistant. First, you can see that the bottom of the screen gives you special information. It tells you what database you are using, which record number you are looking at, how many records are in the database, and which disk drive is currently in use. It also reminds you how to move around in Assistant:

- will show the previous menu
- <- will move the cursor to the left
- > will move the cursor to the right
- will show the next menu.

There are two other keys you want to remember while using Assistant:

- F1 is a help key. It will show you an outline of the Assistant subsystem and how to move around in it.
- ESC is the escape key. No matter where you are in Assistant, pressing ESC one or two times will let you exit from Assistant and return to the main menu of the project directory.

OPTION 2. Search for Information in the Donor Database

This option allows you to conduct inquiries into the donor information in the directory. It works in exactly the same way as Option 1 above utilizing the DBASE system facility called Assistant. Please refer to the section of this manual entitled "OPTION 1. Search for Information in the Project Database" for information on how this facility works. A more detailed description can be found in the DBASE III manual. Look up ASSIST in the Index to find the relevant pages.

OPTION 3. Edit Information for a Project or a Donor

This option allows you to make changes to the information stored in the database records of both the project and the donor sections of the directory. To use this option, you need to know the MIS Project ID number of the project whose record you wish to change. When the computer says

Enter the MIS Project ID (MISPROJID) ->

type in the five-digit ID number and press return. If you enter an invalid ID number you will receive the following warning message on the screen:

Please check MISPROJID number and try again.
Press return.

You must re-enter the ID number and press return. You will now see the record for that project number. At the top of the screen is a list of instructions for how to move the cursor around the record and to make changes. Notice that some of the commands begin with a caret (^). For example, to delete a field, the menu says ^Y. This means press the CTRL key at the same time you press the Y key. The caret (^) is DBASE's symbol for the CTRL key. Thus, to exit from this record, press ^END, or, in other words, press the CTRL key and the END key at the same time.

If you decide not to make any changes, press ESC. If you do make changes to the project record, you MUST press CTRL END to record those changes onto the diskette. If you do not press CTRL END, the changes will not be saved.

After pressing either CTRL END (changes made to the record), or ESC (no changes made to the record), you will see the question:

Do you wish to edit donor records? (Y/N)

If you do not want to change any of the donor records for this project, type N (for No) and press return. You will now see the main menu of options.

If you wish to edit any of the donor records for this project, type Y (for Yes) and press return. You will now see the first donor record for the project. You may edit (make changes to) that donor record exactly as you did for the project record. When you have finished making changes, be sure to press CTRL END to save the changes onto the diskette.

If you do not want to make any changes to this donor record, press ESC. You will now see displayed on the screen the next donor record for this project (if there are multiple donors). You may edit this record and press CTRL END, or simply press ESC to exit from this donor record.

In this way you will page through all the donor records for this project ID number. After paging through all the donor records, you will automatically come back to the main menu of options. To edit other project and donor records, select Option 3 again.

OPTION 4. Add Information for a New Project

This option allows you to add a new project and its donors to the directory. When this option is selected, an input screen appears which lists all the fields which can be entered for a project. This screen will look like the input form. Simply type the information from the form onto the screen. NOTE: ALL INFORMATION MUST BE TYPED IN CAPITAL LETTERS.

Some of the fields on the screen have the word "memo" beside them. These fields are special text fields and must be put into them differently. Move the cursor so that it is on top of the word "memo", then press the CTRL key and the HOME key at the same time. You will see a new screen with the words

dBASE Word Processor

at the top. Now type in the information for this field. Because they are long text fields, memo fields do NOT have to be typed in all capital letters. A memo field can hold up to 4000 characters (four screens) of information. When you have finished typing in all the information for the memo field, press CTRL END to return to the original input screen. Follow this same procedure for every memo field. The memo fields in the Project database are OBJECTIVES, DESCRIPT, INPUTS, OUTPUTS, TARGETS, PROGremark, PUBLICAT, and CONSULTANT. The one memo field in the Donor database is DONORNAMES.

When you have finished entering all the information for that screen, press CTRL END to get to the next input screen. One of the fields which you will enter on this screen is the LOCATION field. In this space you may enter the region, or regions, for the project. If more than one region is to be entered, type a comma (,) between the region names. If you enter an invalid region, you will get a warning message saying

Warning! You have entered an incorrect region

Then a list of all the valid regions will be displayed on the screen, and you must re-enter the region (or regions) correctly. When you have entered all the information for this screen, press CTRL END to get to the next input screen.

After you have finished entering information on this screen, press CTRL END and another input screen will appear. This screen will be for the first donor record for this project. If there are no donors for this project, simply press ESC and you will see the main menu of options again. If there is a donor for this project, enter the information on the screen. Press CTRL END to save that information. Now you will see the questions

Do you need to add more DONOR records? (Y/N)

If you type Y for Yes, you will get another input screen for a new donor. If you type N for No, you will see the question

Do you want to add another PROJECT record? (Y/N)

If you type Y, you will begin the input screens for a new project. If you type N, you will return to the main menu of the project directory system.

OPTIONS 5 - 10. INTRODUCTION TO REPORT GENERATION

Each of these options allows you to print out some form of report. If you wish to select any of these options, you MUST be using a computer with a printer connected. Before selecting any of these options, make sure you can answer yes to each of the following questions:

1. Is the printer plugged in?
2. Is the printer cable connected to the computer?
3. Is the printer turned on?
4. Is there paper in the printer?
5. Is the paper positioned at the top of a new page?
6. Is the printer online?

When each of these conditions is met, you may select from the printer options. If you try to use any of these options without a printer, or with the printer improperly connected, the screen will go blank and nothing will happen. At this time you must remove the DBASE III System 2 diskette from the left disk drive, insert the DBASE III System 1 diskette into the left dist drive, and press

CTRL ALT DEL

at the same time. This will re-start DBASE. When you see the words

Insert System Disk 2 and press Enter,
or type CTRL-C to abort

insert the DBASE III System 2 diskette into the left disk drive and press return. When you see the DBASE dot prompt (.), type

do intro

to re-start the project directory system.

OPTION 5. Print Out a Summary Report for One Project

Please read the "Introduction to Report Generation" (immediately above) for important instructions before

selecting Option 5.

Selecting this option enables you to print out a Project Summary report for one project. You must know the MIS Project ID number of the project you want to print in order to use this option. When the computer says

Enter the MIS Project ID (MISPROJID) ->

type in the ID number of the project for which you want the report, and press return. If you enter an invalid number, you will see the message

Please check MISPROJID number and try again

Re-enter the project ID number and press return.

The report will be automatically produced for you. It will be one page in length. The information which will appear on this report is:

Today's date
Source
Project title
Sector
Subsector
Location
Description of the project
Status of the project
Original and revised starting dates
Original and revised completion dates
Sudanese executing agency
Name of principal Sudanese contact
Total project cost in Sudanese pounds
Total project cost in U.S. dollars
For each of the participating donors:
Donor name
Amount of grant
Currency of grant
Amount of loan
Currency of loan

When the report has finished printing, you will be back at the main menu of options. To print another summary report for a different project, select option 5 to begin the process again.

OPTION 6. Print Out a Summary Report for All Projects

Please read the "Introduction fo Report Generation" (before Option 5) for important instructions before selecting Option 6.

This option allows you to print out Project Summary

reports for all the projects in the directory. You do not need to know any project ID numbers to use this option. Once you select this option, all the reports will be printed. The only way to stop the printing is to press ESC, which will not only stop the printing, but will also terminate the project directory system. If you press ESC you will see the DBASE dot prompt (.), and will have to type

do intro

to start the project directory system over again.

The reports for each project will be exactly like the individual Project Summary report. Please see the description in OPTION 5 for a list of the information which appears on this type of report.

OPTION 7. Print Out a Full Report for One Project

Please read the "Introduction to Report Generation" (before Option 5) for important instructions before selecting Option 7.

This option will print out a Project Information report for one project. You must know the MIS project ID number to use this option. When the computer says

Enter the MIS Project ID (MISPROJID) ->

type in the ID number. If you enter an invalid number, you will receive the message

Please check MISPROJID number and try again

You must re-enter the project ID number and press return.

The report will be a complete listing of all the information in the databases for a single project, including all the donor information relating to that project. The report is about four pages long, with an additional page for each donor. When the report has finished printing, you will see the main menu of options again.

OPTION 8. Print Out a Donor Verification Input Form for One Project

Please read the "Introduction to Report Generation" (before Option 5) for important instructions before selecting Option 8.

This option will print out all the information in the databases for a single project arranged so that it looks like a PROJECT DATA SHEET (DONORS) input form. It is to be used

only for the DONORS Project Directory, not for the MINISTRY Project Directory.

The purpose of this option is to print out for a donor all the information in the system for that project. The output form produced by this option is to be sent back to the original donor so that they can see what information is stored for their project, and so that they can add new information, update, or make corrections to the old information.

You must know the MIS Project ID number to use this option. When the computer says

Enter the MIS Project ID (MISPROJID) ->

type in the ID number. If you enter an invalid number, you will receive the message

Please check MISPROJID number and try again
Press return

You must re-enter the project ID number and press return.

When the report has finished printing you will see the main menu of options again.

OPTION 9. Print Out Donor Verification Forms for All Projects

Please read the "Introduction to Report Generation" (before Option 5) for important instructions before selecting Option 9.

This option will print out PROJECT DATA SHEET (DONORS) input forms for all the projects. Like Option 8, it is to be used only for the DONORS Project Directory system. It should not be used for the MINISTRY Project Directory. You do not need to know any project ID number to use this option. Once you select this option, all the reports will be printed.

OPTION 10. Quit the System and Return to DBASE

Selecting this option is one correct way to exit from the project directory system. When you select this option, the project directory program will terminate, control will be returned to DBASE III, and you will see the DBASE dot prompt (.). At this time you may wish to use some of the DBASE commands to generate a customized report using the project directory databases. See the section of this manual entitled CREATING CUSTOMIZED REPORTS for a description.

If you wish to return to DOS from DBASE, simply type

quit

and press return. DBASE III will be terminated and you will see the DOS prompt A>.

If you wish to begin the project directory system again, simply type

do intro

and press return. You will see the main menu of options.

OPTION 11. Quit the System and Return to DOS

Selecting this option is another correct way to exit from the project directory system. When you type 11 and press return, the project directory program will end, DBASE III will be terminated, and control will be returned to DOS. You will see the DOS prompt A>.

IV. CREATING CUSTOMIZED REPORTS

Using DBASE III commands it is possible to create a report of your own design. First you must exit from the project directory system to DBASE (Option 10), so that you see the DBASE dot prompt (.). Then you must decide what type of information should appear on the report. If the data will be from the Project database, type

use project

and press return. For example, a report which lists for all projects the project ID numbers and titles would need to use the Project database. However, if you wanted a report of all the donors and the amounts of their loans and the currencies of those loans, you would have to use the Donor database. In that case you would type

use donor

and press return. These commands are the same whether you are using the MINISTRY or the DONOR Directory.

As a reminder of what information is on each database, so you can choose which database to use, and so you can select what fields you want printed, following is a list of all the fields on the Project and Donor databases. Included also is some information about each field which will be helpful in creating your report.

PROJECT DATABASE

Field Name	Type	Width
MISPROJID	Character	5
PERSENTER	Character	25
DONOR	Character	50
PREPYEAR	Character	4
PREPMON	Character	2
PRIDNO	Character	10
TITLE	Character	50
SECTOR	Character	50
SUBSECTOR	Character	50
REGION	Character	25
OBJECTIVES	Memo	
STATUS	Character	25
DESCRIPT	Memo	
INPUTS	Memo	
OUTPUTS	Memo	
TARGETS	Memo	
DURATION	Character	2
STARTYEAR1	Character	4
STARTMON1	Character	2
STARTYEAR2	Character	4
STARTMON2	Character	2
COMPYEAR1	Character	4
COMPMON1	Character	2
COMPYEAR2	Character	4
COMPMON2	Character	2
CENTRALMIN	Character	50
DEPARTMENT	Character	50
CONTNAME	Character	50
CONTPOSITN	Character	50
CONTORGNIZ	Character	50
CONTPHONE	Character	25
PROGRESS	Character	25
PROGREMARK	Memo	
TOTCOSTLS	Character	12
TOTCOSTDOL	Character	12
FORCURENC	Character	25
FORCOSTAMT	Character	12
EXCHRATE	Character	12
EQUIVLS	Character	12
FORLSCNTRB	Character	12
SUDLSCNTRB	Character	12
TODONCNTRB	Character	12
COSTREVYR	Character	4
COSTREVMON	Character	2
SOURCE	Character	13
PUBLICAT	Memo	
CONSULTANT	Memo	

Any combination of these fields from the Project Database may be used to generate a report. You must type USE PROJECT and press return before trying to create a report using these fields.

DONOR DATABASE

Field Name	Type	Width
MISPROJID	Character	5
PERSETER	Character	25
DONOR	Character	50
GRANT	Character	12
GRANTCURR	Character	25
LOAN	Character	12
LOANCURR	Character	25
TOTALCOMMT	Character	12
CURRENCY	Character	25
AGREEYEAR	Character	4
AGREEMON	Character	2
EFFECTYEAR	Character	4
EFFECTMON	Character	2
FRSTDSBYR	Character	4
FRSTDSBMON	Character	2
AMTDSB	Character	12
AMTDSBYEAR	Character	4
AMTDSBMON	Character	2
DONORNAMES	Memo	

Any combination of these fields from the Donor database may be used to generate a report. You must type USE DONOR and press return before trying to create a report using these fields.

V. SAMPLE REPORTS

EXAMPLE 1.

If you wanted a report listing the MIS Project ID numbers and titles of all the projects, you would type

use project

and press return. Then you would type

display all misprojid, title

and press return. This command tells DBASE to list the misprojid field and the title field for all the projects in the database. Notice that the list only appears on the screen. That is because the DBASE command "display" was used here. It is important to DISPLAY your report on the screen before actually printing a copy of it. In this way you can check the contents of the report to be sure that you have retrieved the information you intended. If the report is correct, type

list misprojid, title to print

and press return. The report will then be printed out for you. (Of course, it is necessary to be using a computer with a printer properly set up BEFORE issuing the LIST command!) The following page lists an extract from this report.

cord#	misprojid	title
1	10100	ENERGY POLICY AND PLANNING
2	10101	RURAL RENEWABLE ENERGY
3	10102	ENERGY PLANNING AND MANAGEMENT
4	10103	SORGHUM/MILLET COLLAB. RESEARCH SUPPORT PGM (CRSP)
5	10104	PEANUT CRSP CENTRALLY FUNDED THROUGH AID/W ST/ACR
6	10105	AGRICULTURAL PLANNING AND STATISTICS
7	10106	EASTERN REFORESTATION PROJECT
8	10107	P.L. 480 TITLE III - FISCAL YEAR 1984
9	10108	KORDOFAN RAINFED AGRICULTURE
10	10109	P.L. 480 TITLE I FISCAL YEAR 1984
11	10110	BLUE NILE INTEGRATED AGRICULTURAL DEVELOPMENT
12	10111	SOUTHERN ROAD MAINTENANCE AND REHABILITATION
13	10112	SOUTHERN ACCESS ROAD
14	10113	RIVER TRANSPORT AGRICULTURAL MARKETING
15	10114	WESTERN SUDAN AGRICULTURAL MARKETING ROAD
16	10115	AFRICAN GRADUATE FELLOWSHIP (AFGRAD)
17	10116	CONVENTIONAL ENERGY TRAINING PROJECT (CETP)
18	10117	MEDICAL STORES
19	10118	PHARMACEUTICAL DONATION
20	10119	SCHOLARSHIPS IN ITALY
21	10120	TECHNICAL TRAINING
22	10121	TRAINING AND TESTING CENTER
23	10122	MAJOR AQUIFER IN WESTERN SUDAN
24	10123	SUPPLY AND INSTALLATION OF TWO GASTURBINES
25	10124	COOPERATIVES IN AGRICULTURE
26	10125	REPAIR OF GAS TURBINE AT KHARTOUM 10
27	10126	FOOD AID
28	10127	LUBRICANT AND GREASES
29	10128	REHABILITATION OF RURAL WATER IN WEST SUDAN
30	10129	FISHERIES AND AGRICULTURE
31	10130	SUPPLY AGRICULTURAL MACHINERIES & ACCESSORIES
32	10131	JUBA POWER STATION
33	10132	KARIMA/MARAWE POWER STATION & DISTRIBUTION NETWORK
34	10133	NYALA POWER STATION
35	10134	ATBARA POWER STATION
36	10135	BALANCE OF PAYMENTS ASSISTANCE
37	10136	WELL DIGGING
38	10137	SOUTHERN MANPOWER DEVELOPMENT
39	10138	AFRICAN MANPOWER DEVELOPMENT, PHASE II
40	10139	WESTERN SUDAN AGRICULTURAL RESEARCH PROJECT
41	10140	LITERACY TRAINING
42	10141	REGIONAL FINANCE AND PLANNING
43	10142	CASH CROP PRODUCTION IN EQUATORIA
44	10143	RAW HIDES AND SKINS PROJECT
45	10144	DEVELOPMENT STUDIES: JONGLEI CANAL REGION
46	10145	UNIVERSITY OF JUBA - PHASE I
47	10146	GEZIRA AND MANAGIL TEXTIL CORP.: RISK CAPITAL
48	10147	MULTIANNUAL TRAINING AND SCHOLARSHIP PROGRAM
49	10148	AGRICULTURAL INPUTS AND REHABILITATION PROJECT
50	10149	NUBA MOUNTAINS RURAL DEVELOPMENT PROJECT

EXAMPLE 2.

Another example of a report you might want would be to list the MIS project ID numbers and the total cost in Sudanese pounds of each project. To get this report you would type

use project

and press return. Then you would type

display all misprojid, totcostls

and press return. This command told DBASE to list the misprojid field and the totcostls field for all the projects in the database. After checking the report on the screen to make sure it is correct, type

list misprojid, totcostls to print

and press return. Your report will be printed out. An extract from this report is on the following page.

cord#	risprojid	totcostls
1	10100	2445000
2	10101	11700000
3	10102	19435000
4	10103	
5	10104	
6	10105	13791000
7	10106	
8	10107	20000000
9	10108	73530000
10	10109	
11	10110	
12	10111	
13	10112	
14	10113	
15	10114	
16	10115	
17	10116	
18	10117	3250000
19	10118	4420000
20	10119	2600000
21	10120	845000
22	10121	2305000
23	10122	3380000
24	10123	15000000
25	10124	186000
26	10125	1800000
27	10126	4250000
28	10127	2600000
29	10128	4550000
30	10129	1950000
31	10130	7350000
32	10131	2762800
33	10132	18668800
34	10133	9430300
35	10134	9624300
36	10135	
37	10136	
38	10137	
39	10138	
40	10139	
41	10140	
42	10141	
43	10142	
44	10143	
45	10144	
46	10145	
47	10146	
48	10147	
49	10148	
50	10149	

EXAMPLE 3.

If you decided you did not want all the projects listed on your report, but wanted only those projects whose total cost in Sudanese pounds was greater than one million pounds, you would type

```
use project
```

and press return. Now type

```
display all misprojid, totcostls;  
for val(totcostls) > 1000000
```

and press return. This command told DBASE to list the misprojid field and the totcostls field for all the projects in the database whose total cost in Sudanese pounds was greater than one million.

Notice several new items added to this command. First, the command was too long to fit onto one line, so a semi-colon (;) was placed at the end of the first line, and the command was continued on the second line. The semi-colon tells DBASE that the command is being continued onto another line.

The other new thing about this command is that the phrase FOR VAL(TOTCOSTLS) > 1000000 was used to select only those projects whose total cost in Sudanese pounds was greater than one million. Because the field TOTCOSTLS is a character type field (check the Project Database Field Names), it was necessary to use the VAL function to change the character string '1000000' to the number 1000000.

To print this report, type

```
list misprojid, totcostls for val(totcostls)  
> 1000000 to print
```

An extract from this report is on the following page.

cord#	misprojid	totcostla
1	10100	2445000
2	10101	11700000
3	10102	19435000
6	10105	13791000
8	10107	20000000
9	10108	73530000
18	10117	3250000
19	10118	4420000
20	10119	2600000
22	10121	2305000
23	10122	3380000
24	10123	15000000
26	10125	1800000
27	10126	4250000
28	10127	2600000
29	10128	4550000
30	10129	1950000
31	10130	7350000
32	10131	2762800
33	10132	18688800
34	10133	9430300
35	10134	9624300

EXAMPLE 4.

Another example of a report would be to list all the projects which were located in any region except Khartoum, along with the project's identification number. First type

use project

and press return. Then type

```
display all misprojid, region for ;  
region <> 'KHARTOUM'
```

and press return. This command told DBASE to list the project ID number field and region field for all the projects in the database whose region field was not equal to Khartoum. Notice that to say "not equal to" the symbol <> was used. Also notice that the word KHARTOUM was in all capital letters. This is because all the character fields on the databases are input in all capital letters. Again note that because REGION is a character type field, the word KHARTOUM had to be put in single quotation marks.

To print this report type

```
list misprojid, region for region <> 'KHARTOUM';  
to print
```

and press return. An extract from this report is on the following page.

cord#	MISPROJID	REGION
2	10101	
4	10103	
6	10105	
7	10106	KASSALA
8	10107	
9	10108	NORTHERN KORDOFAN
11	10110	BLUE NILE
12	10111	SOUTHERN REGION
13	10112	SOUTHERN REGION
14	10113	SOUTHERN REGION
15	10114	WESTERN REGION
16	10115	
17	10116	
20	10119	
22	10121	GEZIRA
23	10122	NORTHERN DARFUR
29	10128	WESTERN REGION
30	10129	RED SEA
31	10130	
32	10131	
33	10132	NATIONAL
34	10133	NATIONAL
35	10134	NATIONAL
36	10135	NATIONAL
37	10136	WESTERN EQUATORIA
38	10137	SOUTHERN REGION
39	10138	
40	10139	NORTHERN DARFUR, NORTHERN REGION
41	10140	SOUTHERN REGION
42	10141	NORTHERN KORDOFAN, SOUTHERN REGION
43	10142	
44	10143	
45	10144	
46	10145	
47	10146	
48	10147	
49	10148	
50	10149	SOUTHERN KORDOFAN

RELATIONAL AND LOGICAL OPERATORS

In the preceding examples, two important symbols were used: "greater than" (>) and "not equal to" (<>). These are called relational operators, and DBASE has six which can be used in creating reports.

= Equal to
< Less than
> Greater than
<> Not equal to
<= Less than or equal to
>= Greater than or equal to

EXAMPLE 5.

Another example of a report which might be useful would be a list of the donors with grant amounts greater than one million and with an agreement year of 1978. To get this report, type

use donor

and press return, because the information needed is contained in the Donor database. Now type

```
display all donor, grant, agreeyear for ;  
val(grant) > 1000000 .and. agreeyear = '1978
```

and press return. This command tells DBASE to display the donor fields, the loan fields, and the agreeyear fields for all the projects in the Donor database whose loan amount is less than five million and whose agreeyear is equal to 1978.

This command uses the relational operators 'greater than' (>), and 'equal to' (=). It also used a logical operator (.and.), which told DBASE that both of the conditions had to be true for the donor to be listed in the report; that is, the donor had to have a grant amount greater than one million and the year of the agreement had to be 1978. If either of these conditions were not met, then the donor record would not be listed on the report.

The logical operators used by DBASE are

.and. Both conditions must be true for a record to be selected
.or. Either one of the conditions must be true for a record to be selected.

To print the report from Example 5 type

```
list donor, grant, agreeyear for val(grant) < ;  
1000000 .and. agreeyear = '1978' to print
```

and press return. An extract from this report is on the following page.

cord#	DONOR	GRANT	AGREEYE
9	USAID	12032000	1978
38	USAID	6640000	1978
40	USAID	26000000	1978
75	IDA	16000000	1978

VI. PROGRAM DOCUMENTATION

MAIN MENU

The driver program for the project directory system is the command file INTRO.PRG. This program displays the project directory introductory material and the main menu. It calls other programs in the system according to which option is selected.

OPTION 1. Search for Information in the Project Database

To perform this option the PROJECT.DBF database file is used and the DBASE ASSIST facility is invoked.

OPTION 2. Search for Information in the Donor Database

To perform this option the DONOR.DBF database file is used and the DBASE ASSIST facility is invoked.

OPTION 3. Edit Information for a Project or a Donor

The driver program calls the command file EDITINFO.PRG. Input to this program is the MIS project ID number. That record from the Project database can then be edited, as can all records on the Donor database associated with that project (that is, those that have the same MISPROJID).

OPTION 4. Add a New Project or Donor

The drive calls the command file ADD3.PRG, which in turn calls the command files MIN1.PRG, MIN2.PRG, and MIN3.PRG (for the Ministry forms), or DON1.PRG, DON2.PRG, and DON3.PRG (for the Donor forms) to produce the three input screens for entering the project data. After MIN2.PRG (or DON2.PRG) has executed, the command file REGCHECK.PRG is called. This performs a validity check on the REGION (Location) field which was input on screen two. After the three project input screens are completed, ADD3.PRG calls DON16.PRG (for the Ministry forms) or DON17.PRG (for the Donor forms) to format the donor input screen. When all donor records are entered, control is returned to INTRO.PRG.

OPTION 5. Print Summary Report for One Project

The driver calls the command file ONERPT3.PRG. Input to this program is the MIS project ID number. Output is one hardcopy summary report for a single project.

OPTION 6. Print Summary Report for All Projects

The driver calls the command file ALLRPT3.PRG. No user input is required. Output is hardcopy summary reports for all projects in the directory.

OPTION 7. Print Full Report for One Project

The driver calls the command file LONG.PRG. Input is the MIS project ID number. LONG.PRG then calls LONG1.PRG which prints the first page of the long report. LONG.PRG then calls LONG2.PRG which prints all the donor information for a project, one page per donor. LONG.PRG then calls LONG3.PRG which prints all the memo fields for the project. This can run to multiple pages depending on the number and lengths of those memo fields.

OPTION 8. Print Donor Verification Input Form for One Project

The driver calls the command file ONEFORM.PRG. Input is the MIS project ID number. ONEFORM.PRG then calls FORMRPT2.PRG to print out the forms.

OPTION 9. Print Donor Verification Input Forms for All Projects

The driver calls the command file ALLFORM.PRG. No user input is required. ALLFORM.PRG then calls FORMRPT2.PRG multiple times to print out all the forms.

OPTION 10. Exit to DBASE

INTRO.PRG closes the databases and returns control to DBASE III.

OPTION 11. Exit to DOS

INTRO.PRG closes the databases, quits DBASE III, and returns control to DOS.

INTRO.PRG Listing

SET MENUS ON
SET TALK OFF
CLEAR
TEXT

Democratic Republic of the Sudan
Ministry of Finance and Economic Planning
Management Information Systems

Welcome to the Development Project Directory. The Directory contains information on current development projects in the Sudan. The information is collected from the Ministry of Finance and Economic Planning, and from the project donors themselves. The project directory program has been written in the computer language dBASE III, and runs on IBM and other MSDOS personal computers.

The Directory was created by Dr. Dale Whittington, Dr. Craig Calhoun (co-directors), Neil Drummond, and Laura Drummond. Faisal Salih and Shadia Bakhtiet participated on behalf of the Ministry of Finance and Economic Planning. Dr. Ravi Aulakh was project manager for USAID. The programs are the property of the U.S. Government and the Government of Sudan.

ENDTEXT
WAIT "Press return to continue. "
STORE 0 TO CHOICE
DO WHILE CHOICE <> 10
CLEAR
TEXT

Please consult the Project Directory Manual for further information.

Type the number of the option you want to execute :

- 1 : Search for information in the project database
- 2 : Search for information in the donor database
- 3 : Edit (change) information for a project or a donor
- 4 : Add information for a new project
- 5 : Print out a summary report for one project
- 6 : Print out summary reports for all projects
- 7 : Print out a full report for one project
- 8 : Print out a donor verification input form for one project
- 9 : Print out donor verification input forms for all projects
- 10 : Quit the system and return to DBASE III
- 11 : Quit the system and return to DOS

INTRO.PRG Listing

ENDTEXT

INPUT 'Enter the number of your choice and press return --> ' TO CHOICE

DO CASE

 CASE CHOICE = 1

 USE PROJECT

 ASSIST

 CLOSE DATABASES

 CASE CHOICE = 2

 USE DONOR

 ASSIST

 CLOSE DATABASES

 CASE CHOICE = 3

 DO EDITINFO

 CASE CHOICE = 4

 DO ADD3

 CASE CHOICE = 5

 DO ONERPT3

 CASE CHOICE = 6

 DO ALLRPT3

 CASE CHOICE = 7

 DO LONG

 CASE CHOICE = 8

 DO ONEFORM

 CASE CHOICE = 9

 DO ALLFORM

 CASE CHOICE = 10

 CASE CHOICE = 11

 CLEAR ALL

 QUIT

 OTHERWISE

 WAIT 'Bad choice, please press return, then re-enter '

 ENDCASE

ENDDO

CLEAR ALL

SET TALK ON

EDITINFO.PRG Listing

```
ACCEPT 'Enter the MIS Project ID (MISPROJID) --> ' TO MEMID
SELECT 1
USE PROJECT INDEX PROJNIS
SET TALK OFF
SEEK MEMID
IF EOF()
  Wait 'Please check MISPROJID number and try again. Press return.'
ELSE
  SET MENUS ON
  EDIT
  WAIT "Do you wish to edit donor records? (Y/N) " TO EDTDON
  IF UPPER(EDTDON) # 'N'
    SELECT 2
    USE DONOR INDEX DONNIS
    SEEK MEMID
    DO WHILE .NOT. EOF () .AND. MISPROJID = MEMID
      EDIT
      SKIP
    ENDDO
  ENDIF
  SELECT 1
  ENDIF
CLOSE DATABASES
```

ADD3.PRG Listing

```
SET TALK OFF
STORE 'Y' TO MOREREC
SELECT 2
USE DONOR INDEX DONMIS
SELECT 1
USE PROJECT INDEX PROJNIS
```

```
DO WHILE UPPER (MOREREC) = 'Y'
  STORE SPACE(5) TO MEMID
  STORE SPACE(25) TO MEMPERS
  STORE SPACE(50) TO REGINPUT
  APPEND BLANK
  STORE RECNO() TO RECMEM
  SET FORMAT TO MIN1.PRG
  EDIT
```

```
SET FORMAT TO MIN2.PRG
EDIT
```

```
WAIT 'Press return to continue. '
DO REGCHECK
```

```
GOTO RECMEM
REPLACE REGION WITH REGINPUT
REPLACE MISPROJID WITH MEMID
REPLACE PERSENTER WITH MEMPERS
```

```
SET FORMAT TO MIN3.PRG
EDIT
```

```
SELECT 2
STORE 'Y' TO MOREDON
DO WHILE UPPER (MOREDON) = 'Y'
  APPEND BLANK
  STORE RECNO() TO RECMEM
  SET FORMAT TO DON17.PRG
  EDIT
```

```
GOTO RECMEM
REPLACE MISPROJID WITH MEMID
REPLACE PERSENTER WITH MEMPERS
```

```
WAIT "Do you need to add more DONOR records? (Y/N) " TO MOREDON
ENDDO
REINDEX
```

```
SELECT 1
CLEAR
WAIT "Do your want to add another PROJECT record? (Y/N) " TO MOREREC
ENDDO
```

```
SELECT 1
REINDEX
CLOSE DATABASES
```

REGCHECK.PRG Listing

SET TALK OFF

@ 20,1 SAY "DBASE is now checking the LOCATION field"

@ 20,41 SAY " "

@ 21,1 SAY " for valid REGION names."

STORE 'RED SEA|NILE|KHARTOUM|EL GEZIRA|GEZIRA|NORTHERN DARFUR!' TO LIST1

STORE 'SOUTHERN DARFUR|NORTHERN KORDOFAN|SOUTHERN KORDOFAN!' TO LIST2

STORE 'KASSALA|WHITE NILE|BLUE NILE|BAHR EL GHAZEL!' TO LIST3

STORE 'WESTERN EQUATORIA|EASTERN EQUATORIA|JONGLEI|BUHEYRAT!' TO LIST4

STORE 'EL BUHEYRAT|UPPER NILE|NORTHERN REGION|NATIONAL!' TO LIST5

STORE 'WESTERN REGION|SOUTHERN REGION|OTHER!' TO LIST6

STORE TRIM(REGINPUT) + ',' TO REGMEM

DO WHILE LEN(REGMEM) > 1

DO WHILE AT(',',REGMEM) = 1 .OR. AT(',',REGMEM) = 1

STORE SUBSTR(REGMEM,2) TO REGMEM

ENDDO

POSITION = AT(',',REGMEM)

STORE ':' + UPPER(TRIM(SUBSTR(REGMEM,1,POSITION-1))) + ':' TO REGTEST

STORE SUBSTR(REGMEM,POSITION) TO REGMEM

IF REGTEST # LIST1 .OR.;

REGTEST # LIST2 .OR.;

REGTEST # LIST3 .OR.;

REGTEST # LIST4 .OR.;

REGTEST # LIST5 .OR.;

REGTEST # LIST6

? 'REGION OK : ' + SUBSTR (REGTEST,2,LEN(REGTEST)-2)

ELSE

CLEAR

? 'Warning! You have entered an incorrect region: ';

+ SUBSTR (REGTEST,2,LEN(REGTEST)-2)

TEXT

The valid regions are:

RED SEA	NORTHERN REGION
KHARTOUM	NILE
NORTHERN DARFUR	SOUTHERN DARFUR
NORTHERN KORDOFAN	SOUTHERN KORDOFAN
KASSALA	BAHR EL GHAZAL
WHITE NILE	BLUE NILE
WESTERN EQUATORIA	EASTERN EQUATORIA
JONGLEI	UPPER NILE
SOUTHERN REGION	WESTERN REGION
EL GEZIRA or GEZIRA	OTHER
EL BUHEYRAT or BUHEYRAT	
NATIONAL	

Please re-enter the entire region field, separating multiple regions with commas (,).

REGCHECK.PRG Listing

```
ENDTEXT  
ACCEPT ' REGION --> ' TO REGINPUT  
STORE TRIM(REGINPUT) + ',' TO REGMEM  
ENDIF  
ENDDO
```

MIN1.PRG Listing

```
* B:MIN1.PRG
@ 2,1 SAY "MIS Project ID :"  
@ 2,19 GET MEMID PICTURE "9999999999999999"  
@ 3,1 SAY "Person Entering Data :"  
@ 3,25 GET MEMPERS  
@ 5,2 SAY "1. Project Identification No. :"  
@ 5,39 GET PRIDNO  
@ 6,2 SAY "2. Year of data for preparation :"  
@ 6,39 GET PREPYEAR PICTURE "9999999999999999"  
@ 7,5 SAY "Month of data for preparation :"  
@ 7,39 GET PREPMON PICTURE "9999999999999999"  
@ 8,2 SAY "3. Project Title :"  
@ 9,6 GET TITLE  
@ 11,2 SAY "4. (SKIP)"  
@ 13,2 SAY "5. Project Objectives"  
@ 13,26 GET OBJECTIVES  
@ 14,2 SAY "6. Project Description"  
@ 14,26 GET DESCRIPT  
@ 17,1 SAY "Press both Control and End when you are finished with t"  
@ 17,56 SAY "his screen."
```

MIN2.PRG Listing

```
* B:MIN2.PRG
@ 4,2 SAY "7. Project Status :"  
@ 5,6 GET STATUS  
@ 6,2 SAY "8. Sector :"  
@ 7,6 GET SECTOR  
@ 8,2 SAY "9. Subsector :"  
@ 9,6 GET SUBSECTOR  
@ 10,1 SAY "10. Location :"  
@ 11,6 GET REGINPUT  
@ 13,1 SAY "11. Project Inputs"  
@ 13,29 GET INPUTS  
@ 14,1 SAY "12. Project Outputs"  
@ 14,29 GET OUTPUTS  
@ 15,1 SAY "13. Intended Target Groups"  
@ 15,29 GET TARGETS  
@ 18,1 SAY "Press both Control and End when you are finished with t"  
@ 18,56 SAY "his screen."
```

MIN3.PRG Listing

```

• B:MIN3.PRG
@ 1,1 SAY "14. Total Project Cost (a) in LS :"
```

@ 1,40 GET TOTCOSTLS PICTURE "999999999999"
 @ 2,25 SAY "(b) in @ US :"
 @ 2,40 GET TOTCOSTDOL PICTURE "999999999999"
 @ 3,1 SAY "DATE FIELDS"
 @ 3,39 SAY "YEAR"
 @ 3,49 SAY "MONTH"
 @ 4,1 SAY "15. Starting Date (a) Original :"
 @ 4,39 GET STARTYEAR1 PICTURE "999999999999"
 @ 4,50 GET STARTMON1 PICTURE "999999999999"
 @ 5,21 SAY "(b) Revised :"
 @ 5,39 GET STARTYEAR2 PICTURE "999999999999"
 @ 5,50 GET STARTMON2 PICTURE "999999999999"
 @ 6,1 SAY "16. Completion Date (a) Original :"
 @ 6,39 GET COMPYEAR1 PICTURE "999999999999"
 @ 6,50 GET COMMON1 PICTURE "999999999999"
 @ 7,21 SAY "(b) Revised :"
 @ 7,39 GET COMPYEAR2 PICTURE "999999999999"
 @ 7,50 GET COMMON2 PICTURE "999999999999"
 @ 8,1 SAY "17. Wait to enter this information on the next "
 @ 8,48 SAY "screen."
 @ 9,1 SAY "18. Sudanese Executing Agency(ies) :"
 @ 10,6 GET CENTRALMIN
 @ 11,1 SAY "19. Principal Sudanese Contact"
 @ 12,8 SAY "Name :"
 @ 12,24 GET CONTNAME
 @ 13,8 SAY "Organization :"
 @ 13,24 GET CONTORGNIZ
 @ 14,8 SAY "Telephone :"
 @ 14,24 GET CONTPHONE
 @ 15,1 SAY "20. (SKIP)"
 @ 16,1 SAY "21. Donor Contribution to Local Currency Costs :"
 @ 16,51 GET FORLSCNTRB PICTURE "999999999999"
 @ 17,1 SAY "22. (SKIP)"
 @ 18,1 SAY "23. Remarks on Project Progress :"
 @ 18,37 GET PROGREMARK
 @ 19,1 SAY "24. (SKIP)"
 @ 20,1 SAY "25. Project Reports and Publications :"
 @ 20,42 GET PUBLICAT
 @ 21,1 SAY "Source of information (type MINISTRY) :"
 @ 21,42 GET SOURCE
 @ 23,1 SAY "Press both Control and End when you are finished with t"
 @ 23,56 SAY "his screen."

DON17.PRG Listing

```
* B:DON17.PRG
@ 1,1 SAY "(Enter once for each donor)"
@ 3,1 SAY "17. Donor Grant and Loan Information"
@ 4,5 SAY "Donor Name      :"
@ 4,24 GET DONOR
@ 5,5 SAY "Amount of Grant  :"
@ 5,24 GET GRANT PICTURE "999999999999"
@ 6,5 SAY "Amount of Loan   :"
@ 6,24 GET LOAN PICTURE "999999999999"
@ 7,5 SAY "Currency        :"
@ 7,24 GET CURRENCY
@ 9,5 SAY "Date of Agreement"
@ 10,8 SAY "Year      :"
@ 10,17 GET AGREEYEAR PICTURE "9999"
@ 11,8 SAY "Month     :"
@ 11,17 GET AGREEMON PICTURE "99"
@ 13,5 SAY "Date of Effectiveness"
@ 14,8 SAY "Year      :"
@ 14,17 GET EFFECTYEAR PICTURE "9999"
@ 15,8 SAY "Month     :"
@ 15,17 GET EFFECTMON PICTURE "99"
@ 17,5 SAY "Date of First Disbursement"
@ 18,8 SAY "Year      :"
@ 18,17 GET FRSTDSBYR PICTURE "9999"
@ 19,8 SAY "Month     :"
@ 19,17 GET FRSTDSBMON PICTURE "99"
@ 22,1 SAY "Press both Control and End when you are finished with t"
@ 22,56 SAY "his donor."
* la 99999999999999
* lb 9999
* lc 99
```

ADD3.PRG Listing

SET TALK OFF
STORE 'Y' TO MOREREC
SELECT 2
USE DONOR INDEX DONMIS
SELECT 1
USE PROJECT INDEX PROJNIS

DO WHILE UPPER (MOREREC) = 'Y'
STORE SPACE(5) TO MEMID
STORE SPACE(25) TO MEMBERS
STORE SPACE(50) TO REGINPUT
STORE SPACE(50) TO MEMDONOR
APPEND BLANK
STORE RECNO() TO RECMEM
SET FORMAT TO DON1.PRG
EDIT

DO REGCHECK

GOTO RECMEM
REPLACE REGION WITH REGINPUT
REPLACE MISPROJID WITH MEMID
REPLACE PERSENTER WITH MEMBERS
REPLACE DONOR WITH MEMDONOR

SET FORMAT TO DON2.PRG
EDIT

SET FORMAT TO DON3.PRG
EDIT

SELECT 2
APPEND BLANK
STORE RECNO() TO RECMEM
SET FORMAT TO DON16.PRG
EDIT

GOTO RECMEM
REPLACE MISPROJID WITH MEMID
REPLACE PERSENTER WITH MEMBERS
REPLACE DONOR WITH MEMDONOR
REINDEX

SELECT 1
CLEAR
WAIT "Do your want to add another PROJECT record? (Y/N) " TO MOREREC
ENDDO

SELECT 1
REINDEX
CLOSE DATABASES

DON1.PRG Listing

```
* DON1.PRG
@ 0,1 SAY "MIS Project ID :"  
@ 0,19 GET MEMID PICTURE "99999"  
@ 1,1 SAY "Person Entering Data :"  
@ 1,25 GET MEMPERS  
@ 2,1 SAY "Donor :"  
@ 2,10 GET MEMDONOR  
@ 3,1 SAY "Date"  
@ 4,5 SAY "Year :"  
@ 4,14 GET PREPYEAR PICTURE "9999"  
@ 5,5 SAY "Month :"  
@ 5,14 GET PREPMON PICTURE "99"  
@ 7,2 SAY "1. Project Identification No. :"  
@ 7,35 GET PRIDNO  
@ 8,2 SAY "2. Project Title :"  
@ 8,22 GET TITLE  
@ 9,2 SAY "3. Sector :"  
@ 9,15 GET SECTOR  
@ 10,2 SAY "4. Subsector :"  
@ 10,18 GET SUBSECTOR  
@ 11,2 SAY "5. Location :"  
@ 11,17 GET REGINPUT  
@ 12,2 SAY "6. Project Objectives :"  
@ 12,27 GET OBJECTIVES  
@ 13,2 SAY "7. Project Description :"  
@ 13,28 GET DESCRIPT  
@ 14,2 SAY "8. Project Status :"  
@ 14,23 GET STATUS  
@ 15,2 SAY "9. Project Inputs :"  
@ 15,23 GET INPUTS  
@ 16,1 SAY "10. Project Outputs :"  
@ 16,24 GET OUTPUTS  
@ 17,1 SAY "11. Project Benefits (SKIP)"  
@ 18,1 SAY "12. Intended Target Group(s) :"  
@ 18,33 GET TARGETS  
@ 20,1 SAY "When finished with this input screen, press CTRL and EN"  
@ 20,56 SAY "D."
```

DON2.PRG Listing

```
* DON2.PRG
@ 0,1 SAY "13. Project Duration :"
```

0,25 GET DURATION PICTURE "99"

1,5 SAY "Starting Date"

2,6 SAY "(a) Original Year :"

2,28 GET STARTYEAR1 PICTURE "9999"

3,10 SAY "Original Month :"

3,28 GET STARTMON1 PICTURE "99"

4,6 SAY "(b) Revised Year :"

4,28 GET STARTYEAR2 PICTURE "9999"

5,10 SAY "Revised Month :"

5,28 GET STARTMON2 PICTURE "99"

6,5 SAY "Completion Date"

7,6 SAY "(a) Original Year :"

7,28 GET COMPYEAR1 PICTURE "9999"

8,10 SAY "Original Month :"

8,28 GET COMPMON1 PICTURE "99"

9,6 SAY "(b) Revised Year :"

9,28 GET COMPYEAR2 PICTURE "9999"

10,10 SAY "Revised Month :"

10,28 GET COMPMON2 PICTURE "99"

11,1 SAY "14. Sudanese Executing Agency (ies)"

12,7 SAY "a. Responsible Central Ministry :"

13,11 GET CENTRALMIN

14,7 SAY "b. Operating Unit :"

15,11 GET DEPARTMENT

16,1 SAY "15. Principal Sudanese Contact"

17,5 SAY "Name :"

17,22 GET CONTNAME

18,5 SAY "Position :"

18,22 GET CONTPOSITN

19,5 SAY "Organization :"

19,22 GET CONTORGNIZ

20,5 SAY "Telephone :"

20,22 GET CONTPHONE

22,1 SAY "When finished with this input screen, type CTRL and END"

22,56 SAY "."

DON3.PRG Listing

```

* DON3.PRG
@ 0,1 SAY "16. Wait to enter on next screen."
@ 1,1 SAY "17. Total Project Cost (full cost, not LS Thousand) :"
@ 1,56 GET TOTCOSTLS PICTURE "999999999999"
@ 2,5 SAY "Date of Last Revision"
@ 2,28 SAY "Year : "
@ 2,35 GET COSTREVYR PICTURE "999999999999"
@ 3,28 SAY "Month : "
@ 3,36 GET COSTREVMON PICTURE "999999999999"
@ 4,2 SAY "(a) Donor Contribution (for all donors)"
@ 6,14 SAY "Currency      Amount      Assumed Exchange      Equival"
@ 6,69 SAY "ent LS"
@ 7,14 SAY "-----      -----      Rate      (full, not L"
@ 7,69 SAY "S Thousand)"
@ 8,40 SAY "-----      -----"
@ 9,6 SAY "Foreign"
@ 9,14 GET FORCURRENC
@ 9,27 GET FORCOSTANT PICTURE "999999999999"
@ 9,42 GET EXCHRATE PICTURE "9999999.9999"
@ 9,64 GET EQUIVLS PICTURE "999999999999"
@ 10,6 SAY "Local"
@ 10,64 GET FORLSCNTRB PICTURE "999999999999"
@ 11,6 SAY "Total Donor Contribution"
@ 11,64 GET TODONCNTRB PICTURE "999999999999"
@ 12,2 SAY "(b) Government of Sudan Local Currency Component"
@ 12,64 GET SUDLSCNTRB PICTURE "999999999999"
@ 13,2 SAY "(c) Total Project Cost"
@ 13,64 GET TOTCOSTLS PICTURE "999999999999"
@ 14,1 SAY "18. Progress to date :"
@ 14,25 GET PROGRESS
@ 15,1 SAY "19. Remarks on Project Progress :"
@ 15,36 GET PROGREMARK
@ 16,1 SAY "20. (SKIP)"
@ 17,1 SAY "21. Project Publications and Reports :"
@ 17,41 GET PUBLICAT
@ 18,1 SAY "22. (SKIP)"
@ 19,1 SAY "23. Expatriate Consultants Used on Project :"
@ 19,48 GET CONSULTANT
@ 20,1 SAY "Source of information"
@ 21,2 SAY "(type DONOR or DONOR ACCOUNT) : "
@ 21,36 GET SOURCE
@ 23,1 SAY "When finished entering input screen, press CTRL and END"
@ 23,56 SAY "."
* ! "999999999999"

```

DON16.PRG Listing

```
* B:DON16.PRG
@ 0,1 SAY "MIS Project Id :"
```

0,25 GET MISPROJID PICTURE "99999"

```
@ 1,1 SAY "Person Entering Data :"
```

1,25 GET PERSENTER

```
@ 2,1 SAY "Donor :"
```

2,25 GET DONOR

```
@ 4,1 SAY "16. Donor Grant and Loan Information"
```

6,5 SAY "Amount of Grant :"

6,24 GET GRANT PICTURE "999999999999"

6,45 SAY "Currency"

6,55 GET GRANTCURR

```
@ 7,5 SAY "Amount of Loan :"
```

7,24 GET LOAN PICTURE "999999999999"

7,45 SAY "Currency"

7,55 GET LOANCURR

```
@ 9,5 SAY "Total Commitment :"
```

9,26 GET TOTALCOMMT PICTURE "999999999999"

```
@ 11,5 SAY "Amount Disbursed :"
```

11,26 GET AMTDSB PICTURE "999999999999"

```
@ 12,7 SAY "As of Year :"
```

12,22 GET AMTDSBYEAR PICTURE "9999"

```
@ 13,7 SAY "As of Month :"
```

13,22 GET AMTDSBMON PICTURE "99"

```
@ 15,5 SAY "Date of Agreement"
```

15,7 SAY "Year :"

16,16 GET AGREEYEAR PICTURE "9999"

```
@ 17,7 SAY "Month :"
```

17,16 GET AGREEMON PICTURE "99"

```
@ 19,5 SAY "Names of other donors involved"
```

19,37 GET DONORNAMES

ONERPT3.PRG Listing

```

? '      U.S. DOLLARS      : '
@ PROW(),24 SAY VAL(TOTCOSTDOL) PICTURE '999,999,999,999'
?
?
? 'PARTICIPATING DONORS:'
SELECT 2
USE DONOR INDEX DONMIS
SEEK MEMID
DO WHILE .NOT. EOF ( ) .AND. MISPROJID = MEMID
  ?
  ? SPACE(5)+DONOR
  ? SPACE(10)+'Amount of Grant: '
  IF GRANT <> '
  @ PROW(),26 SAY VAL(GRANT) PICTURE '999,999,999,999'
  @ PROW(),42 SAY '   Currency: '+TRIM(CURRENCY)
  ENDIF
  ? SPACE(10)+'Amount of Loan: '
  IF LOAN <> '
  @ PROW(),26 SAY VAL(LOAN) PICTURE '999,999,999,999'
  @ PROW(),42 SAY '   Currency: '+TRIM(CURRENCY)
  ENDIF
  SKIP
ENDDO
SELECT 1
EJECT
ENDIF
CLOSE DATABASES
SET PRINT OFF
SET DEVICE TO SCREEN

```

ALLRPT3.PRG Listing

```

SELECT 1
USE PROJECT INDEX PROJNIS
SET TALK OFF
SET DEVICE TO PRINT
SET PRINT ON
DO WHILE .NOT. EOF()
  IF DELETED()
    SKIP
  ELSE
    STORE MISPROJID TO MEMID
    CLEAR
    SET MARGIN TO 10
    ?
    ?
    ? SPACE(42)+'Report Date: '+DTCO(DATE())
    ? SPACE(42)+'Source: '+SOURCE
    ?
    ? '          PROJECT SUMMARY'
    ?
    ?
    ? 'PROJECT TITLE: '+TRIM(TITLE)
    ?
    ? 'SECTOR:      '+TRIM(SECTOR)
    ? 'SUBSECTOR:   '+TRIM(SUBSECTOR)
    ? 'LOCATION:     '+REGION
    ?
    ? 'PROJECT DESCRIPTION:
SET MARGIN TO 15
    ? DESCRIPT
SET MARGIN TO 10
    ?
    ? 'PROJECT STATUS: '+STATUS
    ?
    ? 'STARTING DATE: (a) Original: '+';
    ? 'MONTH: '+STARTMON1+' YEAR: '+STARTYEAR1
    ? ' (b) Revised: '+';
    ? 'MONTH: '+STARTMON2+' YEAR: '+STARTYEAR2
    ?
    ? 'COMPLETION DATE: (a) Original: '+';
    ? 'MONTH: '+COMPMON1+' YEAR: '+COMPYEAR1
    ? ' (b) Revised: '+';
    ? 'MONTH: '+COMPMON2+' YEAR: '+COMPYEAR2
    ?
    ? 'SUDANESE EXECUTING AGENCY:'
    ? SPACE(5)+TRIM(CENTRALMIN)
    ?
    ? 'NAME OF PRINCIPAL SUDANESE CONTACT:
    ? SPACE(5)+TRIM(CONTNAME)
    ?
    ? 'TOTAL PROJECT COST'
    ? ' SUDANESE POUNDS:
    ? PROW(),24 SAY VAL(TOTCOSTLS) PICTURE '999,999,999,999'
    ?
    ? ' U.S. DOLLARS :

```

ALLRPT3.PRG Listing

```

@ PROW(),24 SAY VAL(TOTCOSTDOL) PICTURE '999,999,999,999'
?
?
? 'PARTICIPATING DONORS:'
SELECT 2
USE DONOR INDEX DONMIS
SEEK MEMID
DO WHILE .NOT. EOF () .AND. MISPROJID = MEMID
?
? SPACE(5)+DONOR
? SPACE(10)+'Amount of Grant: '
IF GRANT <> '
@ PROW(),26 SAY VAL(GRANT) PICTURE '999,999,999,999'
@ PROW(),42 SAY ' Currency: '+TRIM(CURRENCY)
ENDIF
? SPACE(10)+'Amount of Loan:
IF LOAN <> '
@ PROW(),26 SAY VAL(LOAN) PICTURE '999,999,999,999'
@ PROW(),42 SAY ' Currency: '+TRIM(CURRENCY)
ENDIF
SKIP
ENDDO
SELECT 1
EJECT
ENDIF
SKIP
ENDDO
CLOSE DATABASES
SET PRINT OFF
SET DEVICE TO SCREEN

```

LONG.PRG Listing

```
ACCEPT 'Enter the MIS Project ID (MISPROJID) --> ' TO MEMID
SELECT 1
USE PROJECT INDEX PROJNIS
SET TALK OFF
SEEK MEMID
IF EOF()
    Wait 'Please check MISPROJID number and try again. Press return.'
ELSE
    SET DEVICE TO PRINT
    SET PRINT ON
    DO LONG1
    DO LONG2
    DO LONG3
    SET PRINT OFF
    SET DEVICE TO SCREEN
    CLOSE DATABASES
ENDIF
```

LONG1.PRG Listing

* B:LONG.PRG

SET DEVICE TO PRINT

SET MARGIN TO 5

0 2,24 SAY "Project Information Report"

0 5,1 SAY "I. Form Information"

0 7,4 SAY "MIS Project ID :"

0 7,28 SAY MISPROJID

0 8,4 SAY "Person Entering Data :"

0 8,28 SAY PERSENTER

0 9,4 SAY "Donor :"

0 9,28 SAY TRIM(DONOR)

0 10,4 SAY "Source :"

0 10,28 SAY SOURCE

0 11,4 SAY "Date of Form Preparation"

0 12,8 SAY "Year :"

0 12,17 SAY PREPYEAR

0 13,8 SAY "Month :"

0 13,18 SAY PREPHON

0 15,1 SAY "II. Project Information"

0 17,4 SAY "Project Title :"

0 17,21 SAY TITLE

0 18,4 SAY "Sector :"

0 18,21 SAY SECTOR

0 19,4 SAY "Subsector :"

0 19,21 SAY SUBSECTOR

0 20,4 SAY "Region :"

0 20,21 SAY TRIM(REGION)

0 21,4 SAY "Status :"

0 21,21 SAY STATUS

0 22,4 SAY "Duration :"

0 22,21 SAY DURATION

0 23,4 SAY "Progress :"

0 23,21 SAY PROGRESS

0 25,4 SAY "Original Starting Date"

0 26,8 SAY "Year :"

0 26,17 SAY STARTYEAR1

0 27,8 SAY "Month :"

0 27,18 SAY STARTMON1

0 28,4 SAY "Revised Starting Date"

0 29,8 SAY "Year :"

0 29,17 SAY STARTYEAR2

0 30,8 SAY "Month :"

0 30,18 SAY STARTMON2

0 31,4 SAY "Original Completion Date"

0 32,8 SAY "Year :"

0 32,17 SAY COMPYEAR1

0 33,8 SAY "Month :"

0 33,18 SAY COMPMON1

0 34,4 SAY "Revised Completion Date"

0 35,8 SAY "Year :"

0 35,17 SAY COMPYEAR2

0 36,8 SAY "Month :"

0 36,18 SAY COMPMON2

0 38,1 SAY "III. Contact Information"

LONG1.PRG Listing

```

0 40,4 SAY "Central Ministry :"
0 40,24 SAY CENTRALMIN
0 41,4 SAY "Department      :"
0 41,24 SAY DEPARTMENT
0 42,4 SAY "Contact Person"
0 43,8 SAY "Name           :"
0 43,24 SAY CONTNAME
0 44,8 SAY "Position       :"
0 44,24 SAY CONTPOSITN
0 45,8 SAY "Organization  :"
0 45,24 SAY CONTORGNIZ
0 46,8 SAY "Phone         :"
0 46,24 SAY CONTPHONE
0 48,1 SAY "IV. Financial Information"
0 50,4 SAY "Total Cost in LS      :"
IF TOTCOSTLS <> '
0 50,32 SAY VAL(TOTCOSTLS) PICTURE "999,999,999,999"
ENDIF
0 51,4 SAY "Total Cost in Dollars    :"
IF TOTCOSTDOL <> '
0 51,32 SAY VAL(TOTCOSTDOL) PICTURE "999,999,999,999"
ENDIF
0 52,4 SAY "Type of Foreign Currency  :"
0 52,32 SAY FORCURRENC
0 53,4 SAY "Foreign Cost Amount      :"
IF FORCOSTANT <> '
0 53,32 SAY VAL(FORCOSTANT) PICTURE "999,999,999,999"
ENDIF
0 54,4 SAY "Exchange Rate              :"
0 54,32 SAY EXCHRATE
0 55,4 SAY "Equivalent in LS          :"
IF EQUIVLS <> '
0 55,32 SAY VAL(EQUIVLS) PICTURE "999,999,999,999"
ENDIF
0 56,4 SAY "Foreign LS Contribution    :"
IF FORLSCNTRB <> '
0 56,32 SAY VAL(FORLSCNTRB) PICTURE "999,999,999,999"
ENDIF
0 57,4 SAY "Sudanese LS Contribution  :"
IF SUDLSCNTRB <> '
0 57,32 SAY VAL(SUDLSCNTRB) PICTURE "999,999,999,999"
ENDIF
0 58,4 SAY "Total Donor Contribution  :"
IF TODONCNTRB <> '
0 58,32 SAY VAL(TODONCNTRB) PICTURE "999,999,999,999"
ENDIF
0 59,4 SAY "Date of Cost Revision"
0 60,8 SAY "Year           :"
0 60,17 SAY COSTREVYR
0 61,8 SAY "Month         :"
0 61,18 SAY COSTREVMON
EJECT
* IA 999,999,999,999

```

LONG2.PRG Listing

SET TALK OFF
 SET PRINT ON
 SET DEVICE TO PRINT
 SET MARGIN TO 5

```

SELECT 2
USE DONOR INDEX DONMIS
SEEK A->MISPROJID
DO WHILE .NOT. EOF ( ) .AND. MISPROJID = A->MISPROJID
  ?
  ?
  ?
  ?'   V. Donor information for '+ TRIM(DONOR)
  ?
  ? SPACE(10)+'Amount of Grant: '
  IF GRANT <> '
  @ PROW(),26 SAY VAL(GRANT) PICTURE '999,999,999,999'
  @ PROW(),42 SAY '   Currency: '+TRIM(CURRENCY)
  ENDIF
  ? SPACE(10)+'Amount of Loan: '
  IF LOAN <> '
  @ PROW(),26 SAY VAL(LOAN) PICTURE '999,999,999,999'
  @ PROW(),42 SAY '   Currency: '+TRIM(CURRENCY)
  ENDIF
  ? SPACE(10)+'Total Commitment: '
  IF TOTALCOMMT <> '
  @ PROW(),26 SAY VAL(TOTALCOMMT) PICTURE '999,999,999,999'
  ENDIF
  ?
  ? SPACE(10)+'Date of Agreement'
  ? SPACE(10)+'   Year : ' + AGREEYEAR
  ? SPACE(10)+'   Month : ' + AGREEMON
  ?
  ? SPACE(10)+'Date of Effectiveness'
  ? SPACE(10)+'   Year : ' + EFFECTYEAR
  ? SPACE(10)+'   Month : ' + EFFECTMON
  ?
  ? SPACE(10)+'Date of First Disbursement'
  ? SPACE(10)+'   Year : ' + FRSTDSBYR
  ? SPACE(10)+'   Month : ' + FRSTDSBMON
  ?
  ? SPACE(10)+'Amount currently disbursed:'
  IF AMTDSB <> '
  @ PROW(),26 SAY VAL(AMTDSB) PICTURE '999,999,999,999'
  ENDIF
  ? SPACE(10)+'Date of current disbursement information'
  ? SPACE(10)+'   Year : ' + AMTDSBYEAR
  ? SPACE(10)+'   Month : ' + AMTDSBMON
  ?
  ?
  ? SPACE(5)+'Other donors:'
  SET MARGIN TO 15
  ? DONORNAMES
  SET MARGIN TO 5

```

LONG2.PRG Listing

```
SKIP  
EJECT  
ENDDO  
SELECT 1
```

LONG3.PRG Listing

```

SET MARGIN TO 5
SET PRINT ON
?
?
?
?'VI. Descriptive Information'
?
?' Objectives :'
SET MARGIN TO 15
? OBJECTIVES
SET MARGIN TO 5
?
?' Description :'
SET MARGIN TO 15
? DESCRIPT
SET MARGIN TO 5
?
?' Inputs :'
SET MARGIN TO 15
? INPUTS
SET MARGIN TO 5
IF PROW() > 45
    EJECT
    ?
    ?
    ?
ENDIF
?
?' Outputs :'
SET MARGIN TO 15
? OUTPUTS
SET MARGIN TO 5
IF PROW() > 45
    EJECT
    ?
    ?
    ?
ENDIF
?
?' Targets :'
SET MARGIN TO 15
? TARGETS
SET MARGIN TO 5
IF PROW() > 45
    EJECT
    ?
    ?
    ?
ENDIF
?
?' Progress Remarks :'
SET MARGIN TO 15
? PROGREMARK
SET MARGIN TO 5

```

LONG3.PRG Listing

```
IF PROW() > 45
  EJECT
  ?
  ?
  ?
ENDIF
```

```
?
?' Project Publications :'
```

```
SET MARGIN TO 15
```

```
? PUBLICAT
```

```
SET MARGIN TO 5
```

```
IF PROW() > 45
```

```
  EJECT
```

```
  ?
```

```
  ?
```

```
  ?
```

```
ENDIF
```

```
?
?' Consultants :'
```

```
SET MARGIN TO 15
```

```
? CONSULTANT
```

```
SET MARGIN TO 5
```

```
EJECT
```

ONEFORM.PRG Listing

```

ACCEPT 'Enter the MIS Project ID (MISPROJID) --> ' TO MEMID
SELECT 1
USE PROJECT INDEX PROJMIS
SELECT 2
USE DONOR INDEX DONMIS
SELECT 1
SET RELATION TO MISPROJID INTO DONOR

SET TALK OFF
SEEK MEMID
IF EOF()
    Wait 'Pleasee check MISPROJID number and try again.'
ELSE
    SET DEVICE TO PRINT
    SET PRINT ON

CLEAR
SET MARGIN TO 10

```

```

* B:OUT1.PRG
@ 1,1 SAY "MIS Project ID :"
@ 1,19 SAY MEMID
@ 3,1 SAY "Donor :"
@ 3,10 SAY DONOR
@ 5,1 SAY "Date of preparation"
@ 6,5 SAY "Year  :"
@ 6,14 SAY PREPYEAR
@ 7,5 SAY "Month  :"
@ 7,14 SAY PREPMON
@ 10,20 SAY "Project Data Sheet (Donors)"
@ 13,2 SAY "1. Project Identification No. :"
@ 13,35 SAY PRIDNO
@ 15,2 SAY "2. Project Title  :"
@ 15,22 SAY TITLE
@ 17,2 SAY "3. Sector  :"
@ 17,15 SAY SECTOR
@ 19,2 SAY "4. Subsector  :"
@ 19,18 SAY SUBSECTOR
@ 21,2 SAY "5. Location  :"
@ 21,17 SAY REGION
@ 23,2 SAY "6. Project Objectives  :"
?
SET MARGIN TO 15
? OBJECTIVES
SET MARGIN TO 10
@ 34,2 SAY "7. Project Description  :"
?
SET MARGIN TO 15
? DESCRIPT
SET MARGIN TO 10
@ 54,2 SAY "8. Project Status  :"
@ 54,23 SAY STATUS
@ 55,5 SAY "Circle current status  :"
@ 57,3 SAY "Proposed
                                Under Negotiation"

```

ONEFORM.PRG Listing

0 58,5 SAY "Implementation Completed"
 0 59,5 SAY "Suspended Cancelled"

* B:OUT2.PRG

EJECT

0 1,34 SAY "-2-"
 0 4,2 SAY "9. Project Inputs :"
 0 5,5 SAY "Circle the appropriate inputs:"
 0 7,5 SAY "Technical Assistance
 0 8,5 SAY "Training
 0 8,60 SAY "ce"
 0 9,5 SAY "Budget Support/Cash Assistance"
 ?

Capital Assistance"
 Commodity Assistan"

SET MARGIN TO 15

? INPUTS

SET MARGIN TO 10

0 21,1 SAY "10. Project Outputs :"
 ?

SET MARGIN TO 15

? OUTPUTS

SET MARGIN TO 10

0 35,1 SAY "12. Intended Target Group(s) :"
 ?

SET MARGIN TO 15

? TARGETS

SET MARGIN TO 10

0 44,1 SAY "13. Project Duration (in years) :"
 0 44,36 SAY DURATION

0 46,5 SAY "Starting Date"

0 47,6 SAY "(a) Original Year :"
 0 47,28 SAY STARTYEAR1

0 48,10 SAY "Original Month :"
 0 48,28 SAY STARTMON1

0 50,6 SAY "(b) Revised Year :"
 0 50,28 SAY STARTYEAR2

0 51,10 SAY "Revised Month :"
 0 51,28 SAY STARTMON2

0 53,5 SAY "Completion Date"

0 54,6 SAY "(a) Original Year :"
 0 54,28 SAY COMPYEAR1

0 55,10 SAY "Original Month :"
 0 55,28 SAY COMPMON1

0 57,6 SAY "(b) Revised Year :"
 0 57,28 SAY COMPYEAR2

0 58,10 SAY "Revised Month :"
 0 58,28 SAY COMPMON2

DO FORMRPT2

CLOSE DATABASES

SET DEVICE TO SCREEN

SET PRINT OFF

FORMRPT2.PRG Listing

* B:OUT3.PRG

EJECT

```

@ 1,34 SAY "-3-"
@ 4,1 SAY "14. Sudanese Executing Agency (ies)"
@ 5,7 SAY "a. Responsible Central Ministry :"
@ 6,11 SAY CENTRALMIN
@ 8,7 SAY "b. Operating Unit :"
@ 9,11 SAY DEPARTMENT
@ 11,1 SAY "15. Principal Sudanese Contact"
@ 13,5 SAY "Name          :"
@ 13,22 SAY CONTNAME
@ 14,5 SAY "Position       :"
@ 14,22 SAY CONTPOSITN
@ 15,5 SAY "Organization  :"
@ 15,22 SAY CONTORGNIZ
@ 16,5 SAY "Telephone     :"
@ 16,22 SAY CONTPHONE
@ 18,1 SAY "16. Donor Grant and Loan Information"
@ 20,5 SAY "Amount of Grant  :"

```

```

IF B->GRANT <> "          "
@ 20,26 SAY VAL(B->GRANT) PICTURE "999,999,999,999"
ENDIF

```

```

@ 20,50 SAY "Currency"
@ 20,60 SAY B->GRANTCURR
@ 21,5 SAY "Amount of Loan  :"

```

```

IF B->LOAN <> "          "
@ 21,26 SAY VAL(B->LOAN) PICTURE "999,999,999,999"
ENDIF

```

```

@ 21,50 SAY "Currency"
@ 21,60 SAY B->LOANCURR
@ 23,5 SAY "Total Commitment  :"

```

```

IF B->TOTALCOMMT <> "          "
@ 23,26 SAY VAL(B->TOTALCOMMT) PICTURE "999,999,999,999"
ENDIF

```

```

@ 25,5 SAY "Amount Disbursed  :"

```

```

IF B->AMTDSB <> "          "
@ 25,26 SAY VAL(B->AMTDSB) PICTURE "999,999,999,999"
ENDIF

```

```

@ 25,50 SAY "As of Year   :"
@ 25,65 SAY B->AMTDSBYEAR
@ 26,50 SAY "As of Month  :"
@ 26,65 SAY B->AMTDSBMON
@ 28,5 SAY "Date of Agreement      Year  :"
@ 28,37 SAY B->AGREEYEAR
@ 29,28 SAY "Month   :"

```

FORMRPT2.PRG Listing

ENDIF

@ 54,78 SAY "|"
 @ 55,59 SAY "-----"
 @ 56,4 SAY "Total Donor Contribution"
 @ 56,59 SAY "|"

IF TODONCNTRB <> " "
 @ 56,61 SAY VAL(TODONCNTRB) PICTURE "999,999,999,999"
 ENDIF

@ 56,78 SAY "|"
 @ 57,59 SAY "-----"
 @ 58,2 SAY "(b) Government of Sudan Local Currency Component"
 @ 58,59 SAY "|"

IF SUDLSCNTRB <> " "
 @ 58,61 SAY VAL(SUDLSCNTRB) PICTURE "999,999,999,999"
 ENDIF

@ 58,78 SAY "|"
 @ 59,59 SAY "-----"
 @ 60,2 SAY "(c) Total Project Cost"
 @ 60,59 SAY "|"

IF TOTCOSTLS <> " "
 @ 60,61 SAY VAL(TOTCOSTLS) PICTURE "999,999,999,999"
 ENDIF

@ 60,78 SAY "|"
 @ 61,59 SAY "-----"
 SET MARGIN TO 10
 * 1a "999,999,999,999"

* B:OUT4.PRG

EJECT
 @ 1,32 SAY "-4-"
 @ 6,1 SAY "18. Progress to date :"
 @ 6,25 SAY PROGRESS
 @ 7,5 SAY "Circle one:"
 @ 9,5 SAY "Satisfactory Behind Schedule Ahead of Schedule"
 @ 12,1 SAY "19. Remarks on Project Progress :"
 ?

SET MARGIN TO 15

? PROGREMARK

SET MARGIN TO 10

@ 21,1 SAY "20. Project Publications and Evaluation Reports"

@ 22,5 SAY "(List Title, Date, Publication Number)"
 ?

SET MARGIN TO 15

? PUBLICAT

SET MARGIN TO 10

FORMRPT2.PRG Listing

```

@ 29,37 SAY B->AGREEMON
@ 31,5 SAY "Names of other donors involved ;"
?
SET MARGIN TO 15
* ? B->DONORNAMES
SET MARGIN TO 10
SET MARGIN TO 3

@ 40,1 SAY "17. Total Project Cost (full cost, not LS Thousand) ;"

IF TOTCOSTLS <> "
@ 40,56 SAY VAL(TOTCOSTLS) PICTURE "999,999,999,999"
ENDIF

@ 42,5 SAY "Date of Last Revision"
@ 43,8 SAY "Year of Last Revision ;"
@ 43,34 SAY COSTREVYR
@ 44,8 SAY "Month of Last Revision ;"
@ 44,34 SAY COSTREVMON
@ 46,2 SAY "(a) Donor Contribution (for all donors)"
@ 48,14 SAY "Currency          Amount      Assumed Exchange      Equival"
@ 48,69 SAY "ent LS"
@ 49,14 SAY "-----"
@ 49,69 SAY "S Thousand)"
@ 50,40 SAY "-----"
@ 51,12 SAY "-----"
@ 51,67 SAY "-----"
@ 52,4 SAY "Foreign !"
@ 52,14 SAY FORCURRENC
@ 52,25 SAY "!"

IF FORCOSTAMT <> "
@ 52,25 SAY VAL(FORCOSTAMT) PICTURE "999,999,999,999"
ENDIF

@ 52,41 SAY "!"

IF EXCHRATE <> "
@ 52,45 SAY EXCHRATE
ENDIF

@ 52,55 SAY "!"

IF EQUIVLS <> "
@ 52,61 SAY VAL(EQUIVLS) PICTURE "999,999,999,999"
ENDIF

@ 52,78 SAY "!"
@ 53,12 SAY "-----"
@ 53,67 SAY "-----"
@ 54,4 SAY "Local"
@ 54,59 SAY "!"

IF FORLSCNTRB <> "
@ 54,61 SAY VAL(FORLSCNTRB) PICTURE "999,999,999,999"

```

FORMRPT2.PRG Listing

```
@ 35,1 SAY "21. Consultants and Firms Used on Project"  
@ 36,5 SAY "(List Name, Firm, Address)"  
?  
SET MARGIN TO 15  
? CONSULTANT  
SET MARGIN TO 10
```

ALLFORM.PRG Listing

SET TALK OFF

SELECT 1

USE PROJECT INDEX PROJNIS

SELECT 2

USE DONOR INDEX DONNIS

SELECT 1

SET RELATION TO MISPROJID INTO DONOR

SET DEVICE TO PRINT

SET PRINT ON

DO WHILE .NOT. EOF()

CLEAR

SET MARGIN TO 10

* B:OUT1.PRG

@ 1,1 SAY "MIS Project ID :"

@ 1,19 SAY MISPROJID

@ 3,1 SAY "Donor :"

@ 3,10 SAY DONOR

@ 5,1 SAY "Date of preparation"

@ 6,5 SAY "Year :"

@ 6,14 SAY PREPYEAR

@ 7,5 SAY "Month :"

@ 7,14 SAY PREPMON

@ 10,20 SAY "Project Data Sheet (Donors)"

@ 13,2 SAY "1. Project Identification No. :"

@ 13,35 SAY PKIDNO

@ 15,2 SAY "2. Project Title :"

@ 15,22 SAY TITLE

@ 17,2 SAY "3. Sector :"

@ 17,15 SAY SECTOR

@ 19,2 SAY "4. Subsector :"

@ 19,18 SAY SUBSECTOR

@ 21,2 SAY "5. Location :"

@ 21,17 SAY REGION

@ 23,2 SAY "6. Project Objectives :"

?

SET MARGIN TO 15

? OBJECTIVES

SET MARGIN TO 10

@ 34,2 SAY "7. Project Description :"

?

SET MARGIN TO 15

? DESCRIPT

SET MARGIN TO 10

@ 54,2 SAY "8. Project Status :"

@ 54,23 SAY STATUS

@ 55,5 SAY "Circle current status :"

@ 57,5 SAY "Proposed

@ 58,5 SAY "Implementation

@ 59,5 SAY "Suspended

Under Negotiation"
Completed"
Cancelled"

ALLFORM.PRG Listing

```

* B:OUT2.PRG
EJECT
@ 1,34 SAY "-2-"
@ 4,2 SAY "9. Project Inputs :"
@ 5,5 SAY "Circle the appropriate inputs:"
@ 7,5 SAY "Technical Assistance
@ 8,5 SAY "Training
@ 8,60 SAY "ce"
@ 9,5 SAY "Budget Support/Cash Assistance"
?
SET MARGIN TO 15
? INPUTS
SET MARGIN TO 10
@ 21,1 SAY "10. Project Outputs :"
?
SET MARGIN TO 15
? OUTPUTS
SET MARGIN TO 10
@ 35,1 SAY "12. Intended Target Group(s) :"
?
SET MARGIN TO 15
? TARGETS
SET MARGIN TO 10
@ 44,1 SAY "13. Project Duration (in years) :"
@ 44,36 SAY DURATION
@ 46,5 SAY "Starting Date"
@ 47,6 SAY "(a) Original Year  :"
@ 47,28 SAY STARTYEAR1
@ 48,10 SAY "Original Month  :"
@ 48,28 SAY STARTMON1
@ 50,6 SAY "(b) Revised Year   :"
@ 50,28 SAY STARTYEAR2
@ 51,10 SAY "Revised Month   :"
@ 51,28 SAY STARTMON2
@ 53,5 SAY "Completion Date"
@ 54,6 SAY "(a) Original Year  :"
@ 54,28 SAY COMPYEAR1
@ 55,10 SAY "Original Month  :"
@ 55,28 SAY COMPMON1
@ 57,6 SAY "(b) Revised Year   :"
@ 57,28 SAY COMPYEAR2
@ 58,10 SAY "Revised Month   :"
@ 58,28 SAY COMPMON2

```

Capital Assistance"
Commodity Assistan"

DO FORMRPT2

SKIP

ENDDO

CLOSE DATABASES
SET DEVICE TO SCREEN
SET PRINT OFF