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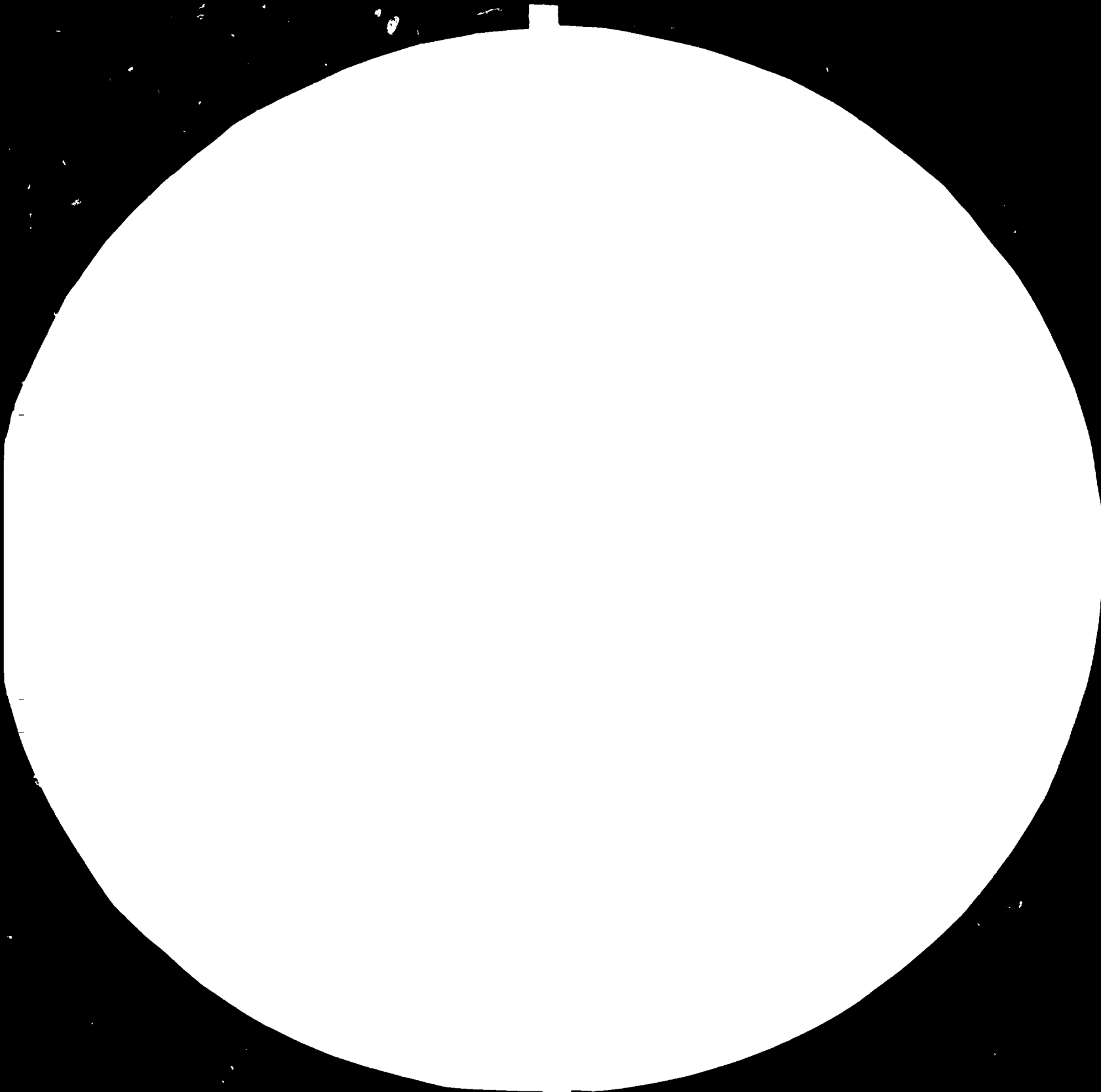
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MICROCOPY RESOLUTION TEST CHART

NATIONAL BUREAU OF STANDARDS
STANDARD REFERENCE MATERIAL 1010a
(ANSI and ISO TEST CHART No. 2)

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REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.

from

H.LAUX - Betriebsinformatik
Tel: 75-51-82 and 84-34-854
Date 84-12-18

1984

3165

from: G. Patek

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS

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**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
 REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
 HOW to READ this REPORT**

HOW to READ this REPORT
 =====

If you like to see just the final discussion about what to do next towards a System for IDDA, start your examination at

CENTRAL PRINTFORM FOR COUNTRY BRIEF... at page 108

If you like to read the recommendations about information tools for country related co-ordination, start your examination at

RECOMMENDATIONS at page 89

and there you will find a the page numbers of more detailed information at further chapters.

If you will use this report to get information about existing and outlined systems for special subjects, start your examination at

SUMMARY of REVIEW at page 63

If you will use this report to get information about any existing or outlined system, start your examination at

TABLE of REVIEWED SYSTEMS at page 4

If you like to find information about the development of the recommendations, at the beginning of second and third main chapter you will find

CROSS REFERENCE OF SUMMARY at page 64
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 CROSS REFERENCE OF RECOMMENDATIONS.... at page 90

giving the link from one chapter to the next.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
HOW to READ this REPORT**

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REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
MAIN OBJECTIVES

MAIN OBJECTIVES
=====

Main objective is to study and make recommendations on the possibility of setting up an information system to enable proper monitoring of the progress achieved in the implementation of the Decade Programme and to serve as a practical tool for the retrieval of relevant information on industrial development activities in African countries. For this task various information systems available within UNIDO will get reviewed, to see to what extent existing systems can be used for IDDA and one or more new systems created for those instances where there is no data not yet obtainable from computerized reference files.

The recommendations are required categorized in

1. Use of existing Systems
2. Applications based on minicomputer as given
3. Applications based on extended minicomputer
4. Applications based on mainframe computer center as given

(see below and intermediate survey)

In particular the information request for IDDA may roughly be specified in following categories:

- A) Essential Economic Indicators of countries as population, surface, main cities, main natural resources, Gross Industrial Output, Gross Agricultural Output, etc.
- B) Country Programmes with budget figures by year and resource and the share of UNIDO projects.
- C) UNIDO Activities

including:

- 1) Pipeline projects with estimated budget and estimated duration by source of funding with totals by year and subsectors.
- 2) Operating projects with figures of budget and duration of initial estimation and last revision, by source of funding with totals by year and subsectors.

Available Project reports.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
MAIN OBJECTIVES**

D) Other Activities

as set by World Bank,
EEC,
Bilateral sources
Major Private Undertakings
and main reports available.

New Objectives

As result of an intermediate survey per 84-11-14 (see page 61)
objects got reset to offer recommendations by categories as
follows:

1. Recommendable copies of reports produced for other purposes.
2. Recommendable applications of existing Systems for purposes of
IDDA by training of IDDA-Staff and preparation of special Job
Control and other organizational arrangements.
3. Recommendable adoptions to existing Systems.
4. Recommendable new Systems using data obtainable from computerized
reference files.
5. Recommendable new system including new data-collection.
6. Recommendable co-operations on outlined systems for other units.

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED UNIDO SYSTEMS
TABLE OF REVIEWED SYSTEMS

TABLE OF REVIEWED SYSTEMS
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REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
HEADQUARTERS SYSTEMS
PAYROLL and PERSONNEL SYSTEMS

HEADQUARTERS PAYROLL/PERSONNEL SYSTEM (UKA)
=====

1. BRIEF DESCRIPTION

Performs computerized computation of payroll for all staff
in VIC (except IAEA and UNRWA).
Type of System is Online and Batch.

2. COMMENT:

It does not contain any african, project or expert data.

HEADQUARTERS PENSION/FUND SYSTEM (UKF)
=====

1. BRIEF DESCRIPTION

Processes monthly Pension Fund contributions and calculates
year-to-date total for all UNIDO and UN staff members.
Type of System is Batch.

2. COMMENT:

It does not contain any african, project or expert data.

HEADQUARTERS JOURNAL VOUCHER SYSTEM (UKM)
=====

1. BRIEF DESCRIPTION

The Headquarters Payroll Journal Voucher System distributes
the payroll costs of the UNIDO and UN Staff for accounting
purposes.
Type of System is Batch.

2. COMMENT:

It does not contain any african, project or expert data.

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
HEADQUARTERS SYSTEMS
PAYROLL and PERSONNEL SYSTEMS

HEADQUARTERS STAFFING TABLE SYSTEM (UKO)
=====

1. BRIEF DESCRIPTION

Maintains a computerized data base for data on all posts authorized for UNIDO and those other Vienna-based organizations administered by UNIDO.
Type of System is Batch.

2. COMMENT:

See Experts Staffing Table System (UKO)

SALARY OBLIGATION SYSTEM
=====

1. BRIEF DESCRIPTION

Actually 2 separate systems: one to obligate and liquidate Technical Co-operation experts' salaries (both Category I and Category II costs) on a monthly basis by extracting data from the Expert's Payroll and the Expert's Staffing Table System; and another separate system to obligate and liquidate Regular Budget Temporary Assistance staff costs (payroll + estimated common staff costs) for the rest of each calendar year.
Type of Systems is Batch.

2. COMMENT:

As both systems prepare data input batches for the Accounting System, we will follow this line (UKH).

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
HEADQUARTERS SYSTEMS
ACCOUNTING SYSTEM (UKH)

ACCOUNTING SYSTEM (UKH)

1. BRIEF DESCRIPTION

Reports the allotments, obligations, disbursements and liquidations for Regular Budget and Technical Assistance Accounts. Reports of assets and liabilities. Type of System is Batch.

2. COMMENT:

As account data for technical assistance is automatically linked into the Project Information Retrieval System (PIRS), we will give attention to PIRS.

3. MAIN DATA ELEMENTS

For Technical Assistance Projects:

Project number
Budget line
Programme component/specific activity
Region

Special indicators:

Project status (new, on-going, completed, cancelled)
Least developed country indicator
UNIDF priority area
Regular programme indicator
Source of fund-group

Voucher number

Regular budget account code

Obligation number (contains year of obligation)

Amounts:

Total allotment
Expenditures prior years
Disbursement current year
Unliquidated obligations prior years
Unliquidated obligations current year
Obligations future years
Unencumbered balance
Quarterly disbursements

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
HEADQUARTERS SYSTEMS
ACCOUNTING SYSTEM (UKH)**

4. INPUT

Vouchers issued by Financial Service
Project Allotment Documents (PAD)
(automatically linked from the two Budget Systems)
Payroll Journal Vouchers
(automatically linked from the Payroll Journal Voucher System)
Expert Costs (Category II)
(automatically linked from the Experts Staffing Table System)
Expert Costs Obligations
(automatically linked from the Experts Obligations System)
Equipment insurance
(automatically generated each month from prior month's
transactions)
Fellowship Insurance (starting in 1984)
(automatically linked each month from prior month's Project
Information Retrieval System)
Regular Budget Temporary Assistance Obligations
(automatically linked from the Headquarters Staffing Table
via the Obligation System)

5. OUTPUT

- Status of allotments
- Status of unliquidated obligations
- Trial balance
- Subsidiary ledger reports
- Regular budget pyramid reports
- Various reports and summaries
- Cost distribution report of common VIC costs
- Regular budget information on tape sent to New York
- Account data for technical assistance is automatically linked
into the Project Information Retrieval System (PIRS)

6. RELATED SUBSYSTEMS

Experts Payroll Journal Voucher System
Regular Payroll Journal Voucher System
General Ledger System
Subsidiary Ledger System
Common Cost Distribution System
Experts and Regular Budget Temporary Assistance Obligations System

7. FOR FURTHER INFORMATION CONTACT

Mr. Lowe (Chief, Accounts and Payments Section)
Ms. Zaunbauer (TC) or (Accounts Section)
Ms. Fida (Reg. Budget)(Accounts Section)
Mr. Stefanov (EDP Section)

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
HEADQUARTERS SYSTEMS
REGULAR BUDGET SYSTEM (UKY)

REGULAR BUDGET SYSTEM (UKY)
=====

1. BRIEF DESCRIPTION

Maintains a computerized record showing financial authorization of regular budget and related funds approved. Issues Project Allotment Documents and budget status reports. Type of System is On-line.

2. COMMENT:

Allotments are aggregated here by programme and -component and can be retrieved by queries via video-display Terminal. As Technical-Co-operation Budget Data are not included we will give attention to Technical Cooperation Budget System (UKK) (see Page 22).

3. MAIN DATA ELEMENTS

Allotment account code
Program
Programme component
Authority (approving officer)
Allotments by object of expenditure

4. INPUT

Entered on-line via a video-display terminal by budget clerks, who directly update the Regular Budget data base.

5. OUTPUT

- Project Allotment Documents (printed daily for all updated projects)
- Monthly status of allotments
- Journal Voucher of allotment differences (automatically linked into Accounting System)
- Various summaries and selective reports
- On-line queries via a video-display terminal

6. FOR FURTHER INFORMATION CONTACT

Mr. H. Hiph (FS/BUD)
Mr. Whiting (FS/BUD)
Mr. O.-M. Stefanov (EDP Section)

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
EXPERTS SYSTEMS
EXPERTS PERSONNEL and PAYROLL SYSTEMS

EXPERTS PAYROLL/PERSONNEL SYSTEM (UKB)
=====

1. BRIEF DESCRIPTION

The main purpose of the system is to perform the calculation of payroll entitlements and to produce all related financial as well as personnel reports.

Type of System is Batch.

2. COMMENT:

See experts staffing Table System UKI, Page 12.

EXPERTS PENSION/FUND SYSTEM (UKF)
=====

1. BRIEF DESCRIPTION

Processes monthly Pension Fund contributions and calculates year-to-date total for all UNIDO experts.

Type of System is Batch.

2. COMMENT:

See experts staffing Table System UKI, Page 12.

EXPERTS JOURNAL VOUCHER SYSTEM (UKM)
=====

1. BRIEF DESCRIPTION

The purpose of the Experts Payroll Journal Voucher system is to distribute the Experts Payroll amounts to specific general ledger accounts.

Type of System is Batch.

2. COMMENT:

See experts staffing Table System UKI, Page 12.

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
EXPERTS SYSTEMS
EXPERTS STAFFING TABLE SYSTEM (UKI)

EXPERTS STAFFING TABLE SYSTEM (UKI)
=====

1. BRIEF DESCRIPTION

Maintains a computer data base of all experts post information once a P-5 exists.

Type of System is Batch, VSAM and Seq. Backup.

2. COMMENT:

Category II standard cost (man months and costs) and project indicators automatically get linked into the Accounting System and the Project Information Retrieval System, except:

Programme component/specific activity (BSO)
Expert name
Expert personnel number
All expert start and stop dates
Expert's grade - step, sex, birthdate, nationality.

We will give attention to PIRS (Page 20).

For country assignment and duty stations see Expert Information System Page 14.

3. MAIN DATA ELEMENTS

Project number
Budget line
Programme component/specific activity
Region
Expert name
Expert personnel number
All expert start and stop dates
Expert's grade - step, sex, birthdate, nationality
Special indicators: status of project
Amounts:
Man months for the past, current, and future years
Category II standard cost charges for the past, current, and future years

4. INPUT

Expert input forms (from FIMS) which are keypunched into the system. These input forms contain information from both the certification and the commitment sides of the P5 form.

5. OUTPUT

next Page

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
EXPERTS SYSTEMS
EXPERTS STAFFING TABLE SYSTEM (UKI)**

5. OUTPUT

- Experts Staffing Table
- Various selects and summaries
- Statistical reports
- Category II standard cost (man months and costs automatically linked into the Accounting System and the Project Information Retrieval System)

6. FOR FURTHER INFORMATION CONTACT

Mr. Bull (Financial Management Section)
Mr. O.-M. Stefanov (EDP Section)

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
EXPERTS SYSTEMS
PERSONNEL EXPERT INFORMATION

PERSONNEL EXPERT INFORMATION
=====

1. BRIEF DESCRIPTION

This on-line system maintains a computerized file of expert information as required by the Personnel Section for their particular type of statistics, in particular counts of experts by nationality, sex, country etc.
Type of System is On-line based ADABAS.

2. COMMENT:

As it is the only on-line query and ad-hoc reporting system including country assignment it is the fastest way to get a list of experts and duty stations at an African country or group of countries.

3. MAIN DATA ELEMENTS

Country of assignment
Type contract
Duty station
EOD/COB
Grade
Keywords
Name
Nationality
Personnel Number
Post ID
Sex
Separation type
National expert
SIDFA
Cross ref to other Projects

4. INPUT

Input is done by terminal in the Personnel Section.

5. OUTPUT

- Terminal query on the screen
- A variety of standard reports
- Ad-hoc reports

6. FOR FURTHER INFORMATION CONTACT

Ms. Smit or Ms. Bon Said (ADM/PERS)
Ms. Shank (EDP Section)

1984/12/18

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**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
EXPERTS SYSTEMS
PERSONNEL EXPERT INFORMATION**

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
EXPERTS SYSTEMS
EXPERTS CANDIDATES ROSTER SYSTEM (ULC)

EXPERTS CANDIDATES ROSTER SYSTEM (ULC)
=====

1. BRIEF DESCRIPTION

Maintains a computerized information system of applicants
for expert recruitment.
Type of System is On-line.

2. COMMENT:

This System does not contain any African country or project
data.

3. FOR FURTHER INFORMATION CONTACT

Mr. Stuttner (EDP Section)

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
EXPERTS SYSTEMS
EXPERTS STATUS OF RECRUITMENT SYSTEM (UKU)

EXPERTS STATUS OF RECRUITMENT SYSTEM (UKU)
=====

1. BRIEF DESCRIPTION

Maintains a computerized data base of the status of technical assistance posts under recruitment, namely the status at the following checkpoints (dates):

1. PAD issued
2. Recruitment initiated by PPRS
3. Candidates evaluation by substantive officer
4. Candidates name submitted to host government
5. Government's response
6. Offer made to candidate
7. Candidate's response
8. Reporting date
9. P5 action (EOD)

Type of system is online, based ADABAS and NATURAL.

2. COMMENT:

The Report UKU3, sorted by countries and posts, gives information about the status of project by the status of recruitment. As postnumber is based projectnumber an aggregation by project and programme is possible. The system processing produces high costs (45.000 \$ p.a).

3. MAIN DATA ELEMENTS

Post number (project number)
Budget line
Programme component/specific activity code
Post title
Man months of post
For each candidate
Name
Nationality

A number of dates and flags indicating the current status of the various recruitment steps.

4. INPUT

Entered on-line via video-display terminals by Project Personnel Recruitment Section.

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**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
EXPERTS SYSTEMS
EXPERTS STATUS OF RECRUITMENT SYSTEM (UKU)**

5. OUTPUT

- On-line queries via a visual-display terminal
- Status of recruitment - monthly
- Vacancy list - monthly
- Various statistical reports
e.g., by country candidates submitted, selected, appointed;
how long to put an expert into the field, etc.

6. FOR FURTHER INFORMATION CONTACT

Mr. Stuttner (EDP Section)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
EXPERTS SYSTEMS
FELLOWSHIP INFORMATION SYSTEM (UMF)**

FELLOWSHIP INFORMATION SYSTEM (UMF)
=====

1. BRIEF DESCRIPTION

Maintains a computerized information system on fellowships.
Type of system is Batch.

2. COMMENT:

This system contains Expert data by project-number and budget line and is built for ad-hoc reporting, but for an aggregation of country over experts data the Personnel Expert Information (Page 14) or Experts Staffing Table (UKI Page 12) will cover more elements. The aggregation of Persons over countries is not required by IDDA.

3. MAIN DATA ELEMENTS

Project number
Budget line
Programme component./specific activity code
Fellow's name:
 Nationality
 Sex
For each host country:
 Training start date
 Training end date
Date of completion
Total cost in US dollars

4. INPUT

Taken from post control forms, travel and payment instruction forms issued by the Training Branch and keypunched.

5. OUTPUT

- Various statistical reports
- Ad hoc reports as required

6. FOR FURTHER INFORMATION CONTACT

Ms. Berryman (IO/Training Branch)
Mr. Stuttner (EDP Section)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
PROJECT SYSTEMS (PIRS, PAD,)
PROJECT INFORMATION RETRIEVAL SYSTEM "PIRS" (UMA)**

PROJECT INFORMATION RETRIEVAL SYSTEM "PIRS" (UMA)
=====

1. BRIEF DESCRIPTION

Information system aggregating all technical co-operation computer information.

Type of system is Batch based OS.

2. COMMENT:

Give attention to confusing Systemcodes included or related to "PAD"- and "UMA"-Reports.

UMA is used for this Project Information Retrieval System abbreviated "PIRS"

UKH is used for Accounting System

UKK is used for T.C.Budget System

UKI is used for Expert Staffing Table

UMF is used for Fellowship Information

T.C.Budget System (UKK see next Page) contains project information and budget figures as well as PIRS (UMA) as all budget figures get retrieved from Budget System (UKK). All Reports retrieved directly from data files of Budget System (UKK) or PIRS (UMA) are to be discussed for use in IDDA. Budget System (UKK) includes more project data which are just coded at UMA and a project-status indicator. PIRS (UMA) includes more accounting data and the Project Title.

Both UKK and UMA are project information systems including Africa. The Arabic states of Africa form a separate region:

Code 01 = Africa (whithout Arabic)

Code 10 = African Arabic

Code 12 = Arab-Regional (without African Arabic)

Summaries over the year are produced by IO/CRU using Wang-PC.

3. MAIN DATA ELEMENTS

next page !

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
PROJECT SYSTEMS (PIRS, PAD,)
PROJECT INFORMATION RETRIEVAL SYSTEM "PIRS" (UMA)**

3. MAIN DATA ELEMENTS

Project number (includes Fund (2) country (3) and year)

Project title

Budget line

Programme component

Region

Fellows (see Fellowships)

Experts (see Experts Staffing Table)

Special indicators:

Status of project

Least developed country

UNIDF priority area

Regular programme indicator

Source of fund group

etc.

Amounts:

Total allotment

Allotment current year, current year + 1, current year + 2

Allotment future years

Expenditures prior years

Disbursement current year

Unliquidated obligation prior years

Unliquidated obligation current year

Obligation future years

Unencumbered balance

Quarterly disbursements

Man months for the past, current and future years (for experts)

4. INPUT

All data automatically linked from:

Accounting System

Technical Co-operation Budget System

Experts Staffing Table System

Fellowship System

5. OUTPUT

- Technical assistance pyramid reports
- Mandatory revision & project rephasing reports
- Project delivery report + tape for New York
- Various selections and summaries

6. FOR FURTHER INFORMATION CONTACT

Mrs. G. Rohn (IO/ CRU D-1580 x3750/3751)

Mr. O.-M. Stefanov (EDP Section)

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
PROJECT SYSTEMS (PIRS, PAD,)
TECHNICAL COOPERATION BUDGET SYSTEM (UKK)

TECHNICAL COOPERATION BUDGET SYSTEM (UKK)
=====

1. BRIEF DESCRIPTION

Maintains a computerized record showing Financial authorization of Technical Co-operation Funds approved. Issues Technical Co-operation Project Allotment Documents (PAD's) and budget status reports.

Type of system is online based ADABAS.

2. COMMENT:

Data from this system is automatically linked into the Project Information Retrieval System (PIRS) except the following:

Functional title
Programme component/specific activity (gives BSO)
Authority
Project Allotment Document number(s)
Intergovernmental Organization Code (IGO Code)(effective 1984)

The aggregation of reports of this system should be checked if report aggregations of PIRS do not satisfy IDDA-requirements.

The UKK1 Feature of the online part of this system is already used by IDDA for information about budget status and expenditures of a specific project.

The Arabic states of Africa form a separate region:

Code 01 = Africa (whithout Arabic)
Code 10 = African Arabic
Code 12 = Arab-Regional (without African Arabic)

"PAD" and "PIRS" are no system prefixes and it is not easy to find the references to the systems UKK or UMA by check of output.

The used prefixes are: UKH for accounting
UKI for Expert Staffing Table
UMF for Fellowship Information
UMA for Project Information PIRS

Summaries over the year are produced by IO/CRU using Wang-PC.

3. MAIN DATA ELEMENTS

next page:

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
PROJECT SYSTEMS (PIRS, PAD,)
TECHNICAL COOPERATION BUDGET SYSTEM (UKK)

3. MAIN DATA ELEMENTS

Project number (includes source of funds (2), recipient country (3))
Project title
Budget line
Functional title
Region
Programme component/specific activity
Authority
Project Allotment Document number(s)
Special indicators:
 Project status (new, on-going, completed)
 UNIDF priority area
 Intergovernmental Organization Code (IGO Code)(effective 1984)
 Regular programme component (used for accounting)
Allotments by budget line:
 Man/months (for experts and fellowships)
 \$ amounts per year (from start to end of project)

4. INPUT

Entered on-line via a video-display terminal by FMS PAD
input clerks, who directly update the Technical Co-operation
Budget data base.

5. OUTPUT

- On-line queries via video-display terminal
- Project Allotment Documents (printed selectively by customer
request from terminal)
- Monthly status of project allotments
- Various summaries and selective reports (i.e. project allotment
for least developed countries, summary by regular program project
component, etc.)

Data from this system is automatically linked into the following
systems:

- Project Information Retrieval System
- Experts Staffing Table System
- Experts Status of Recruitment System
- Accounting System
- Fellowship Information System

6. FOR FURTHER INFORMATION CONTACT

Mrs. G. Rohn (IO/ CRU D-1580 x3750/3751)
Mr. Kunnen (FMS/FS)
Mr. O.-M. Stefanov (EDP Section)

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
PROJECT SYSTEMS (PIRS, PAD,)
PROJECT EVALUATION REPORTING (UKE)

PROJECT EVALUATION REPORTING
=====

1. BRIEF DESCRIPTION

The initial purpose of this small system is to keep track of the status of project evaluation reporting. Later the customer plans to include indicators as to the effectiveness of projects.

Type of system is batch (SAS).

2. COMMENT:

It can be classified as a feedback system from IO (were data get collected) to the Programme-Development Division. We will check if it can give help to find technical reports. PAD data are same status as at PIRS (Page 20) or a little later, and there are also available data of finished projects.

3. MAIN DATA ELEMENTS

Status
Specific activity
Project number
Region
PAD no.
Type of report
Prepared by
National Counterpart
Total Allotments
Start of project
Scheduled date of receipt of report
Actual date report received
Date returned
Project completion date
PAD Status

4. INPUT

Data elements above via keypunch, except for PAD data which automatically are linked from the Technical Co-operation Budget System (UKK see page 22).

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
PROJECT SYSTEMS (PIRS, PAD,)
PROJECT EVALUATION REPORTING (UKE)**

5. OUTPUT

Reports - Changes received
All reports
Overdue reports
Received this month
New from PAD
Reports by schedule
Reports dropped from PAD this month

6. FOR FURTHER INFORMATION CONTACT

Mr. De Groot (PC Dev)
Mr. Stefanov (EDP Section)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
INFORMATION SYSTEMS
TECHNOLOGICAL INFORMATION EXCHANGE SYSTEM "TIES" (UOE)**

TECHNOLOGICAL INFORMATION EXCHANGE SYSTEM (UKE)
=====

1. BRIEF DESCRIPTION

TIES maintains a computerized file of data elements extracted from contracts concerning technological projects in the participating countries.

Type of system is batch based OS.

2. COMMENT:

A detailed documentation about this system is not given, thus we do not know if there are amounts of contracts besides its duration. Country- and Industrial-Codes included here make this data applicable for industry by country aggregations.

3. MAIN DATA ELEMENTS

Contract data (such as currency code, contract date, contr. duration)
Recipient data (country code, industrial code, recipient type)
Supplier data (country code, company code)
Comments

4. INPUT

Keypunched from coding forms, filled in by the participating countries

5. OUTPUT

- Selective printouts of information on file produced on paper or micro-fiche

6. FOR FURTHER INFORMATION CONTACT

Ms. Cramwinkel (IS/Development and Transfer of Technology Branch)
Mr. Stuttner (EDP Section)

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
INFORMATION SYSTEMS
UNIDO STATISTICAL DATA BASE (UQD)

UNIDO STATISTICAL DATA BASE (UQD)
=====

1. BRIEF DESCRIPTION

Maintains a computerized data base of statistical data over all countries of the world, as given by UNSO and completed by UNIDO Statistics an Survey Unit IS/SSU.
Type of system is ADABAS-based online.

2. COMMENT:

It is a big station of collected data, but just retrieved from external sources and this external sources are full of gaps. Although data get collected from various sources by IS/SSU, there is no complete report for any African LDC. All data of this data base are reviewed by IS/SSU and made comparable if necessary.

This data base should be the main basis of an statistical country brief. There is an user programming language SLANG prepared for use of this Database which can be recommended for users who will go to use this data base often and with different data-aggregation. For other users it is easier to get SLANG-Programmes and JCL prepared by a professional programmer or systemsanalyst.

3. MAIN DATA ELEMENTS

Employment (average number of employees or persons engaged)
Wages and Salaries in national currency
Gross Output in national currency
Value added in national currency
Gross fixed capital formation in national currency
Quantity of electric consumed
Index numbers of industrial production by SITC (1975 = 100)
Number of ISIC branches covered

3. INPUT

Input is taken from various sources, all reported at UNIDO/IS.463 24. April 1984 (V.84 85238)

1984/12/18

Uk6#REVIDDA

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**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
INFORMATION SYSTEMS
UNIDO STATISTICAL DATA BASE (UQD)**

5. OUTPUT

All above data elements aggregated and/or computed with another by SLANG printed by main printer to 5 inches continuous paper.

6. FOR FURTHER INFORMATION CONTACT

Mr. Hernan Marin-Guzman (IS/SSU) ext.3562

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
INFORMATION SYSTEMS
COMMODITY TRADE STATISTICS

COMMODITY TRADE STATISTICS
=====

1. BRIEF DESCRIPTION

Maintains a computerized data base of import-export figures over all countries of the world by SITC 5 digit level. A 'Trade Request Language', has been developed by Industrial Statistics and Survey Unit IS/SSU. It can be used as efficient tool for predefined printoutput, as a Reportwriter. Type of system is batch sequential.

2. COMMENT:

It is a big station of trade data, but retrieved from external sources with any gaps, as not all countries report data (no complete report for any African LDC). Where data are given this system can provide an informative survey over all trade relationships and industrial engagements by countries and SITC commodities.

The Trade Request Language can be recommended for users with a basic EDP-practice who will go to use this data base with different data-aggregation. For other users it is easier to get JCL prepared by a professional programmer or systemsanalyst. As files are massiv (two meta-datasets and thousands of MB) and costly runs are possible, professional support is recommendable.

3. MAIN DATA ELEMENTS

Regioncode
Countrycode
Commodity by 5 digit SITC
Country of Supplier or Customer
Quantity
Quantity-Unit
Amount \$
Type of flow (Import, Export, Re-import)

3. INPUT

Information from UNSO or the countries given in reports or on data-logger (tape). Some data are calculated if there is no better source. As reporting countries report imports and exports a calculation does not include trade between not reporting countries.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
INFORMATION SYSTEMS
COMMODITY TRADE STATISTICS**

5. OUTPUT

The Trade Request Language provides:

- printout showing data availability (or absence) and
- printout showing trade figures for
 - one or more reporting countries
 - one or more SITC commodities (at the 1,2,3,4 or 5 digit level)
 - one or more types of flow
 - one or more years

6. FOR FURTHER INFORMATION CONTACT

Mr. Hernan Marim-Guzman (IS/SSU) ext.3562

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
 REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
 REVIEWED MAINFRAME COMPUTER SYSTEMS
 INFORMATION SYSTEMS
 INDUSTRIAL INFO. SECTION DOCUMENTATION SYSTEM "LINK" (ULJ)

INDUSTRIAL INFO. SECTION DOCUMENTATION SYSTEM "LINK" (ULJ)
 =====

1. BRIEF DESCRIPTION

LINK maintains a computerized data base of questionnaire, directory and management information for the Industrial Information Section. Type of system is ISIS-based online.

2. COMMENT:

It is easier: "Publications included in the IDA Abstracts System (see next page) are not included here". The way of use is same as for System-IDA. We are to do some tests with IDDA relevant queries to get out whether it's useful or not. A Queries Worksheet is attached. A final comment is to be made after these tests.

Online queries may be based on the following fields:

<u>Field</u>	<u>TAG/NO</u>	<u>Max.Size</u>
XXXXXXXXXXXXXX	00	000

There are ANY TABLES which give the chance to define questions (see System-IDA next page).
 For purposes of IDDA special Any-Tables can be defined.

3. MAIN DATA ELEMENTS

Names and addresses of institutions
 Answers from questionnaires of different type
 Queries received by the Industrial Inquiry Service
 Keywords from dictionaries
 ISIC sector codes

3. INPUT

Information from different sources like dictionaries and questionnaires and the UNIDO newsletters or equivalent get entered on-line via a video-display terminal by the Industrial Information Section.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
INFORMATION SYSTEMS
INDUSTRIAL INFO. SECTION DOCUMENTATION SYSTEM "LINK" (ULJ)**

5. OUTPUT

- Directory of Industrial Information Systems and Services, 1981
- UNIDO guides to Industrial Information Sources (Directory Section)
- Management Information for the Industrial Inquiry Service
- On-line searches of the data base
- Acronyms lists
- Lists of names and addresses of institutions on request

6. FOR FURTHER INFORMATION CONTACT

Ms. Kathrine Grandini (IS/Industrial Information Section) ext.3693
Mr. Stuttner (EDP Section) ext.3576/3577

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
INFORMATION SYSTEMS
INDUSTRIAL DEVELOPMENT ABSTRACTS SYSTEM (ULH)

INDUSTRIAL DEVELOPMENT ABSTRACTS SYSTEM

1. BRIEF DESCRIPTION

Maintains a computerized data base of abstracts of all UNIDO documents that have received a document number.
Type of system is ISIS-based online.

2. COMMENT:

There are also some old documents included which do not have a document number.

Online queries may be based on the following fields:

<u>Field</u>	<u>TAG/NO</u>	<u>Max.Size</u>
Document Date	00	004
Country Code	02	003
Languages	05	040
Personel Author	10	030
Corporate Author	11	200
Title	20	300
Conference	22	300
Document Number	37	060
Project Number	38	060
Abstract	40	900
Classification	48	015
Heading	90	100
Sub.Heading	91	100
S.S.Heading	94	100
Meeting	95	300
Sort Number	98	015

The 'Abstract' text includes a description of the contents of UNIDO publications by catchwords and key-words.

On most important key-words 'Descriptors' is done a special maintenance by IS/INF. They specify a document by predefined classifications. All descriptors are glossary listed at 'THESAURUS OF INDUSTRIAL DEVELOPMENT TERMS in different languages (Englisch-French: ID/172/Rev.1 what is UNIDO/LIB/SER.C/3/Rev.1).

There are ANY TABLES which give the chance to define questions for example with 'any Africa' what is same as a list of all names of the African countries.
For purposes of IDDA special Any-Tables can be defined.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
INFORMATION SYSTEMS
INDUSTRIAL DEVELOPMENT ABSTRACTS SYSTEM (ULH)**

An example for a question like "What are the abstracts including 'Housing' and 'Building' in any African LDCs?" is attached. This output does not include abstracts including 'brikets factoring' for example. To pose questions to any building or any housing including brikets, an Any-Table must be defined and linked into the system.

3. MAIN DATA ELEMENTS

Author
Corporate author
Title
Document number (symbol)
Abstract
Keywords (for the purpose of retrieval)

4. INPUT

Entered on-line via a visual display terminal by the Industrial Information Section.

5. OUTPUT

- 'Industrial Development Abstracts' publication issued quarterly (abstracts, author index, subject index, document index)
- On-line searches of data base
- Lists of abstracts retrieved by on-line operations as well as batch runs

6. FOR FURTHER INFORMATION CONTACT

Mr. Rennert (IS/Industrial Information Section)
Mr. Stuttner (EDP Section)

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
INFORMATION SYSTEMS
INVESTMENT PROMOTION INFORMATION SYSTEM "INPRIS" (UK4)

=====

INVESTMENT PROMOTION INFORMATION SYSTEM "INPRIS" (UK4)

=====

1. BRIEF DESCRIPTION

Maintains two computerized data bases of investment projects and companies interested in making investments in developing countries.

Type of system is online based ISIS.

2. COMMENT:

As the ISIC/main product code and the "Preferred dev. countries" are given in the investors file, the investors can be linked to countries. The project number contains country (3), current number and date. For a link to projects in pipeline status a common project number and a database of programmes and pipeline projects are preconditions which do not yet be available.

3. MAIN DATA ELEMENTS

Investor file

Code number
 Name of firm
 Address of firm
 Telephone/Telex
 Contact name/position
 ISIC/main product
 Preferred dev. countries

Project file

Project number
 ISIC
 Project title
 Activity record
 Product and capacity
 Total project cost
 Study available
 Local sponsor
 Project status

4. INPUT

Entered on-line via a video-display terminal by the Investment Co-operative Programme branch

5. OUTPUT

- list of investors by ISIC
- selective printouts of projects and investors
- on-line searches of the data bases
- dial up capability from the investment promotion offices

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
INFORMATION SYSTEMS
INVESTMENT PROMOTION INFORMATION SYSTEM "INPRIS" (UK4)**

6. FOR FURTHER INFORMATION CONTACT

Mr. Amato-Gauci (IO/COOP) D-1081 ext: 4868/4818
Mr. H. Stuttner (EDP Section)

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
INFORMATION SYSTEMS
REFERENCE AND TERMINOLOGY UNIT (ULK)

REFERENCE AND TERMINOLOGY UNIT (ULK)
=====

1. BRIEF DESCRIPTION

Maintains a computerized data base of bibliographic information for the Reference and Terminology Unit.
Type of system is online based ISIS.

2. COMMENT:

This system may be helpful to find reports and publications from the Documents Control Unit, if they are not produced by UNIDO (For UNIDO documents see System-IDA), but data-entry is not yet completed (just 5-10%) as it's a new system.

3. MAIN DATA ELEMENTS

Titles of publications in English, French, Spanish, German
Subject category
Document number
File reference

4. INPUT

Entered on-line via a video-display terminal by the Reference and Terminology Unit.

5. OUTPUT

- Glossaries

6. FOR FURTHER INFORMATION CONTACT

Ms. D. Eichfelder (Reference and Terminology Unit)
E-0409 ext. 3210 / 3205
Mr. Stuttner (EDP Section)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
OTHER ADMINISTRATIVE AND SERVICE SYSTEMS
DOCUMENTS CONTROL SYSTEM (ULG)**

DOCUMENTS CONTROL SYSTEM (ULG)
=====

1. BRIEF DESCRIPTION

Maintains a computerized data base of all 'Requests for Documents Processing' received.

Type of system is online based ADABAS.

2. COMMENT:

It can be classified as an administrative system for the Documents Control Unit. A selection of documents has to be made before entering this system (See ULK). It is maintained by IAEA.

3. MAIN DATA ELEMENTS

Job number

Document symbol

Account code

Date received

For each of the 9 possible categories of work:

(editing, translation, correspondence, COMSEC, presentation, typesetting, printing, distribution, miscellaneous)

Deadline

Date of completion

Amount of work

Status flag

4. INPUT

Entered on-line via video-display terminals by Documents Control Unit

5. OUTPUT

- Various statistical reports analyzing data in the system
- On-line inquiries concerning any aspect of the data

6. FOR FURTHER INFORMATION CONTACT

Ms. Millar (Documents Control Unit)

Mr. Stuttner (EDP Section)

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
OTHER ADMINISTRATIVE AND SERVICE SYSTEMS
INVENTORY CONTROL SYSTEM (UKN)

INVENTORY CONTROL SYSTEM (UKN)
=====

1. BRIEF DESCRIPTION

Maintains an on-line file of all UN equipment.
Type of system is online.

2. COMMENT:

Relevant information is given by PIRS on a more relevant
aggregation level.

3. MAIN DATA ELEMENTS

Stock number
Description
Date received
Requisition number
Purchase order number
Account
User
Vendor
Life Expectance
Guarantee
Maintenance
Unit cost
Serial numbers
Date written off
etc.

4. FOR FURTHER INFORMATION CONTACT

Mr. Meijer (Inventory Unit)
Mr. Gillcrist (EDP Section)

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
OTHER ADMINISTRATIVE AND SERVICE SYSTEMS
SMAL SYSTEMS (ULI,UKS,UKR,UKJ,etc.)

TEMPORARY ASSISTANCE FOR MEETINGS SYSTEM (ULI)
=====

1. BRIEF DESCRIPTION

Maintains a computerized file containing information on temporary assistance provided for meetings, including calculations of paydays and the subsequent amounts to be paid.

Type of system is batch.

2. COMMENT:

Relevant information is given by Accounting System at more relevant aggregation level.

3. MAIN DATA ELEMENTS

Name and title
Working group
Purpose
Account code
Language
Salary
Start and end dates

4. FOR FURTHER INFORMATION CONTACT

Ms. E. Klein (CPE/CS)
Mr. Stuttner (EDP Section)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
OTHER ADMINISTRATIVE AND SERVICE SYSTEMS
SMAL SYSTEMS (ULI,UKS,UKR,UKJ,etc.)**

OFFICIAL TRAVEL COSTS SYSTEM (UKS)
=====

1. BRIEF DESCRIPTION

Maintains a computerized file of travel costs of staff on official business.
Type of system is batch.

2. COMMENT:

Relevant information is given by Accounting System at more relevant aggregation level.

3. FOR FURTHER INFORMATION CONTACT

Ms. Troll-Obergfell (FS/BUDGET)
Mr. Stefanov (EDP Section)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
OTHER ADMINISTRATIVE AND SERVICE SYSTEMS
SMAL SYSTEMS (ULI,UKS,UKR,UKJ,etc.)**

SUBCONTRACTORS INFORMATION SYSTEM (UKR)
=====

1. BRIEF DESCRIPTION

Maintains a computerized file of the data elements extracted from questionnaires (questionnaire for consulting firms/ organizations) by Purchase and Contract Service. Type of system is batch-sequential.

2. COMMENT:

Relevant information on Africa is not given by this system. But you may retrieve a report of all African UNIDO-suppliers, if given in any time.

3. MAIN DATA ELEMENTS

Field of activity
Size of company
Country code
Contractor name
Service codes (type of service offered)

4. FOR FURTHER INFORMATION CONTACT

Ms. V. Gazzari (IO/PAC)
Mr. Stuttner (EDP Section.)

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
OTHER ADMINISTRATIVE AND SERVICE SYSTEMS
SMAL SYSTEMS (ULI,UKS,UKR,UKJ,etc.)

ADDRESSES SYSTEM (UKJ)
=====

-- BRIEF DESCRIPTION

Maintains one computerized address file for many users. Each set of addresses is identified by a unique id key - user name, user code and sequential address number within the user name/code.

Type of system is batch.

2. COMMENT:

Relevant information on Africa is not given by this system.

3. FOR FURTHER INFORMATION CONTACT

CSDHA/SDB

IO/COOP

Mr. Stuttner (EDP Section)

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
OTHER ADMINISTRATIVE AND SERVICE SYSTEMS
SMAL SYSTEMS (ULI,UKS,UKR,UKJ,etc.)

MAILING LIST SYSTEM - Industrial Information Section
=====

1. BRIEF DESCRIPTION

Maintains a computerized file of mailing addresses for selective retrieval and printing on self adhesive labels. Type of system is batch.

2. COMMENT:

Relevant information on Africa is not given by this system.

3. MAIN DATA ELEMENTS

Address
Country code
City name
Fields of interest of the addressee
Types of organization of the addressee
For each address
 Which mailing lists use this address
 Number of copies per language (E, F, S, R, C)

4. FOR FURTHER INFORMATION CONTACT

Mr. Cote' (IS/Information Section)
Mr. Stuttner (EDP Section)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
OTHER ADMINISTRATIVE AND SERVICE SYSTEMS
SMAL SYSTEMS (ULI,UKS,UKR,UKJ,etc.)**

MAILING LIST SYSTEM (ULB Public Information Section)
=====

1. BRIEF DESCRIPTION

Maintains a computerized file of mailing addresses for selective retrieval and printing on self adhesive labels. Type of system is batch.

2. COMMENT:

Relevant information on Africa is not given by this system.

3. MAIN DATA ELEMENTS

Address
Country code
City name
Dispatch code
Priority code
Source reference code
Fields of interest of the addressee
Types of organization of the addressee
Locational interest of the addressee
For each address
 Which mailing lists use this address
 Number of copies per language (E, F, S, R, G, C, A)

4. FOR FURTHER INFORMATION CONTACT

Mr. Hitchings (Public Information Section)
Mr. Stuttner (EDP Section.)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
REVIEWED MAINFRAME COMPUTER SYSTEMS
OTHER ADMINISTRATIVE AND SERVICE SYSTEMS
SMAL SYSTEMS (ULI,UKS,UKR,UKJ,etc.)**

TELEPHONE EXTENSION INFORMATION SYSTEM (UKN)
=====

1. BRIEF DESCRIPTION

Maintains an on-line file of telephone, equipment, cables, and extension information.
Type of system is online.

2. COMMENT:

Relevant information on Africa is not given by this system.

3. FOR FURTHER INFORMATION CONTACT

Mr. Aicher (Buildings Management)
Mr. Gillcrist (EDP Section)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
NON MAINFRAME COMPUTER SYSTEMS
INVESTMENT MEETING SCHEDULE PROGRAM (ULD)**

=====

INVESTMENT MEETING SCHEDULE PROGRAM (ULD)

=====

1. BRIEF DESCRIPTION

Automatic scheduling of meetings between delegations of developing countries and interested investors, minimizing schedule conflicts.

This system is based on Wang micro computer.

2. COMMENT:

This version of system that is carried to the site (see 6.) and runs there on-line.

A Batch-Version runs on the main IAEA computer (but standby only).

A detailed review is not yet done, but main decisions can be made on this documentation.

3. MAIN DATA ELEMENTS

Date, times, and lengths of meetings

Investors

 Name

 Projects they are interested in and priorities

 Times they are available

Country teams

 Name

 Names of projects

 Times they are available

General meetings

4. INPUT

All data elements above, WANG PC (small portable computer).

5. OUTPUT

- Master schedule of times of all meetings
- Individual schedules to each investor
- Individual schedules to each country team
- Lists of all meetings that cannot be scheduled
- Statistics
- Screen Query

6. FOR FURTHER INFORMATION CONTACT

Mr. Khouadja (IO/Co-operative Programme Branch)

Mr. Gillcrist (EDP Section)

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
NON MAINFRAME COMPUTER SYSTEMS
PROJECT BOOK (OPERATING PROJECTS)

PROJECT BOOK (OPERATING PROJECTS)
=====

1. BRIEF DESCRIPTION

This Glossary of all operating Projects, sorted by country, is updated every 3 months by IO/CRU (Central-Reference-Unit). This system is based on Wang micro computer text facilities. Text data are held on Wang-PC floppy.

2. COMMENT:

The Wang Textfacilities are not the best basis for an interdivisional co-operation, as the requirements on data security and data-integration for other purposes are not satisfied. If PIRS (Page 20) also cannot satisfy IDDA's requirements, we have to come back here.

3. MAIN DATA ELEMENTS

Includes all approved Projects
Projects are sorted by Region and Country as Projectnumber.
Afri-Arab is own Region and own floppy-disk.

4. INPUT

Datacollection is done, as manual Note every day
 , maintenance to floppy every 3 months
 , maintenance to floppy on request
 , collection of new projects monthly

5. OUTPUT

Reports are produced: all operating Projects every 3 months
 new operating projects monthly
 country set as Briefing Note on request
 completed Projects once every year

6. FOR FURTHER INFORMATION CONTACT

Mrs.Rohn IO/ CRU D-1580 x3750/3751

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
NON MAINFRAME COMPUTER SYSTEMS
COUNTRY BRIEFING NOTES

COUNTRY BRIEFING NOTES

1. BRIEF DESCRIPTION

Country Briefing Notes (CBN) give a sound information about 'What is going on in a Country' from side of DIO. They may be required by every DIO-Member travelling to countries in a relevant mission.

The system is based on Wang micro computer text facilities.

2. COMMENT:

An organized co-operation with IO/CRU may be able to satisfy IDDA's requirements of information upon operational Projects, on prorated amounts. The Wang text-facilities are not the best basis for an interdivisional co-operation. But the requirements on data-security and data-integration for other purposes are also not satisfied by this system.

3. MAIN DATA ELEMENTS

Project Data, reports and studies in relation to countries. Actual technical reports get attached.

4. INPUT

Some text data may be obtained from Projectbook or Checklist of Documents, but most informations get intyped just on request.

5. OUTPUT

Copies could be made from each CBN related to Africa and a later reproduction and maintenance for repeatable request is possible, as B.Nts. get stored on flopies.

6. FOR FURTHER INFORMATION CONTACT

Mrs.Rohn IO/ CRU D-1580 x3750/3751

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
NON MAINFRAME COMPUTER SYSTEMS
CHECKLIST OF DOCUMENTS, DIO

CHECKLIST OF DOCUMENTS, DIO
=====

1. BRIEF DESCRIPTION

This Report provides an indication of internal documents and reports prepared by DIO since its inception. But, with few exceptions, it does not include other publications as prepared for meetings of expert working groups, workshops, seminars or similars.

This system is based on Wang micro computer text facilities.

2. COMMENT:

A final comment can be made after check of all document inventory lists.

3. MAIN DATA ELEMENTS

Document Number (UNIDO/IOD/current number)

Full Titel

Luanguage

Consulting Branch

Section

Officer's Name

4. INPUT

IO/CRU produces this Internal Reference Document with monthly additions.

5. OUTPUT

IO/CRU produces this Internal Reference Document with monthly additions.

6. FOR FURTHER INFORMATION CONTACT

Mrs.Rohn IO/ CRU D-1580 x3750/3751

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
NON MAINFRAME COMPUTER SYSTEMS
COUNTRY INFORMATION SHEETS**

COUNTRY INFORMATION SHEETS
=====

1. BRIEF DESCRIPTION

This report provides a directory of names and addresses for all IO related UN-Staff at UN-Member-Countries.

This system is based on Wang micro computer text facilities.

2. COMMENT:

A final comment can not be given by a Computer System Analyst.

3. MAIN DATA ELEMENTS

Name des Landes

Full Titel of the State

Country name

Country code

Country notes

Names and Address of: UNDP Field Representative or
Area Bureau

SIDFA or JPC

IO Area Officer and or

IO/CRU Responsible

PC Officer

AM/PS/PAS Experts Unit

4. INPUT

All above text data intyped and updated on flopy-disk.

5. OUTPUT

All above text data printout from local Wang-Printer.

6. FOR FURTHER INFORMATION CONTACT

Mrs.Rohn IO/ CRU D-1580 x3750/3751

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for 'D.D.A.
NON MAINFRAME COMPUTER SYSTEMS
CHECKLIST OF STUDIES IS/REG

CHECKLIST OF STUDIES IS/REG
=====

1. BRIEF DESCRIPTION

This Report provides an indication of studies and reports prepared by IS/REG since its inception.
This Record is based on Wang micro computer text facilities.

2. COMMENT:

As this checklist is sorted by country and main series, it is a efficient tool to find studies availed about African countries from side of IS / Regional and Country Studies Section.
The laguage is not given in this checklist, but all I have seen is English.
This checklist will be issued 3 to 4 times a year if new entries are given. Last edition was 84-08-01 next expected november 84.

3. MAIN DATA ELEMENTS

Document Number (UNIDO/IS.current number)
Full Titel
Issuing Date

4. INPUT

All above text data intyped and updated on flopy-disk.

5. OUTPUT

All above text data printout from local Wang-Printer.

6. FOR FURTHER INFORMATION CONTACT

IS/REG at D2043 ext. 3679 or 4323

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
NON COMPUTERIZED INFORMATION AND REPORTING SYSTEMS
COUNTRY PROGRAMME MANAGEMENT PLAN, UNDP**

COUNTRY PROGRAMME MANAGEMENT PLAN, UNDP
=====

1. BRIEF DESCRIPTION

This report gives information about the UNDP Country Programme Management. It does not look like Computer-Printout and no data-collection is done by UNIDO. It is distributed to:

UN Department of Technical Co-operation for Development
ECA
UNCTAD, Geneva
UNIDO (DIO)
U.N.Environment Programme, Nairobi
U.N.Centre for Human Settlements, Nairobi
UNICEF, New York
UNHCR (High Commissioner), Geneva
UNITAR, New York
UNPPA, New York
UN Financing System for Science and Technology for Development
UN University, Tokyo
ILO, Geneva
FAO, Rome
UNESCO, Paris
ICAO, Montreal
WHO, Geneva
World Bank, Washington
IMF, Washington
UFP, Berne
ITU, Geneva
World Meteorological Co-operation Department, Geneva
IPAD, Geneva
IAEA
UNCTAD/GATT, Geneva
WTO, Madrid
ADB, Abijan (African Development Bank)
WFP, Rome
UN Volunteers Programme, Geneva
UN Revolving Fund for Natural Resources, New York
UN Capital Development Fund, New York
UNDP Office of Projects, New York
UNDP Resident Representatives of neighboring countries.

2. COMMENT:

It is a list of approved and new pipeline projects. The approved are numbered with 3-letters Countrycode and figures, not common with UNIDO-Project-Number.

3. MAIN DATA ELEMENTS next page !

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
NON COMPUTERIZED INFORMATION AND REPORTING SYSTEMS
COUNTRY PROGRAMME MANAGEMENT PLAN, UNDP**

3. MAIN DATA ELEMENTS

The Report contains six parts:

- I. Planned Actions Related to the Country Programme
gives announcement of next report.
 - II.A Planned Actions Related to Operating Projects
shows shortcomings and one statement to the status of project.
 - II.B Planned Actions Related to New Projects
shows shortcomings and one statement to the object of project.
 - III. Project and Programme Financial Information
 - A. shows figures of proposed and current budget over five years
of approved projects.
 - B. shows figures of proposed budget over five years
of new projects.
 - C. shows a short summary of 'Resources and Proposed Budgets'.
- II.A to III.B. are sorted by country; IPF and 'Other Funds';
and within this by a not obtainable order.

4. INPUT

No data collection.

5. OUTPUT

See 3. Main Data-Elements.

6. FOR FURTHER INFORMATION CONTACT

These reports get archived at
UNIDO-Registry (Mrs.Hartl D-1669 ext:4785).

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
NON COMPUTERIZED INFORMATION AND REPORTING SYSTEMS
FIELD REPORTS from SIDFA'S and JPO'S**

FIELD REPORTS from SIDFA'S and JPO'S
=====

1. BRIEF DESCRIPTION

This Reporting System established by Field Reports Monitoring Section (FRMS) of Division of Policy Co-ordination is provided to make shure a regular and adequate flow of information from the field to UNIDO Headquarters.

Type of Report is manual text and worksheets.

2. COMMENT:

Collection of specific data to a computer system would enable a selective reporting over periods, countries and events and would give the chance to produce summaries.

As format-, content-, period- and reporting-rules will be changed as of beginning of 1985, we should wait with computerization now until the new system will be practised and approved.

3. MAIN DATA ELEMENTS

1. Yearly Country Briefs

- political scene
- industrial government policy and strategies
- industrial economic analysis
- overall assessment and recommendations about on-going and pipeline technical co-operation programme
- Alternate sources of funds or executing agencies
- Activities related to Special Programmes

2. Quartly Reports

- Introduction
- Forms on on-going projects
- Forms on pipeline projects
- Forms on Evaluation Data

3. Mission Reports

- Introduction and country background
- Forms (same as at 2. above)

4. Ad-hoc Reports

- Main conclusions and recommendations
- Issues relevant to UNIDO activities and programmes
- Follow up needed at Headquarters' level
- list of attached documents

5. Confidential Communications to the FRMS:

will be prepared free format on specific matters.

For instance:

- feedback on performance of UNIDO projects
- problems related to missions
- feedback on relationships with Government and nat.institutions

4. FOR FURTHER INFORMATION CONTACT

Mrs. Sperling PC/FRMS D-1635 x4730

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
NON COMPUTERIZED INFORMATION AND REPORTING SYSTEMS
OPERATIONAL SUMMARY of BANK and IDA**

OPERATIONAL SUMMARY of BANK and IDA
=====

1. BRIEF DESCRIPTION

This reporting system established by International Bank for Reconstruction and Development, International Development Association, provides monthly report on activities to projects in it's major milestones.
Type of report is printed.

2. COMMENT:

Collection of all or specific data to a computer system would enable a selective reporting over periods, countries and events and would give the chance to produce summaries.
The edition follows 6 or 7 weeks after date of status and reaches UNIDO approximatly within two months.

3. MAIN DATA ELEMENTS

Country
Agency (Member Country, borrower or Implementing Agency)
Amount
Probable Lender
Project Description (up to 400, probably 500 chars)
Stage of Processing and/or Action on Procurement
(up to 400, probably 500 chars)
Date of monthly status

4. FOR FURTHER INFORMATION CONTACT

Dir.M.Islam IO/COOP D-1035 x5015

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
CONCEPTS and OUTLINED SYSTEMS
PIPELINE PROJECT INFORMATION SYSTEM

PIPELINE PROJECT INFORMATION SYSTEM
=====

1. BRIEF DESCRIPTION

The outlined system is intended to provide management with the data needed to monitor and upgrade pipeline projects. It holds available for online display a Record for each Project, including main figures and description of events.
Type of system will be on-line and batch.

2. COMMENT:

The outlined facilities are very common with IDDA's requirements of information about pipeline projects.

3. MAIN DATA ELEMENTS

Project number
Project title
Project value
Proposed Phasing
Back Stopping Officer's name etc.
Actions taken by whom and on which date

4. INPUT

Main dataelements via on-line video display terminal, with some action-descriptions coded and translated to text by the system.

5. OUTPUT

Summaries by Country,
Region,
Funds,
Actors in different aggregations.
List of average delay between certain milestones (coded main activities) by different aggregations.

6. FOR FURTHER INFORMATION CONTACT

Mr. Roche DIO D-1504 ext. 3970

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
CONCEPTS and OUTLINED SYSTEMS
PREPARATION of GDP and MVA DATA (UWM)**

PREPARATION of GDP and MVA DATA (UWM)
=====

1. BRIEF DESCRIPTION

GDP and MVA preparation for constant prices, based on information provided by DRPA New York.

2. COMMENT:

The data are stored in following work files.

Datasetname: UWM.DB.GDPC\$
 UWM.DB.MFGC\$
 UWM.DB.\$INFO.A bis.. (sources)
 UWM.DB.\$PAPERS
 UWM.DB.GDPCGR#.a bis .. (sorces)

3. MAIN DATA ELEMENTS

GDP
MVA
growth rates by source and weighted average

4. INPUT

Main dataelements intyped via programmer's editor system to PDS.
Taken from DRPA and other publications about estimations from:

World Bank
IMF
UN regional commissions
DIESA
OECD
and 8 other institutions.

5. OUTPUT

Not yet defined.

6. FOR FURTHER INFORMATION CONTACT

Mr. Margreiter IS/GLO D-2111 ext. 3398/3374

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.A.
CONCEPTS and OUTLINED SYSTEMS
INDUSTRIAL DEVELOPMENT REVIEW SERIES**

INDUSTRIAL DEVELOPMENT REVIEW SERIES
=====

1. BRIEF DESCRIPTION

These Reviews prepared by IS/REG provide to present a general picture of the country's economic and industrial development and additional information usefull for activities related to technical assistance etc.

Type of Report is a booklet with a standard structure of contents. The series are antizipated to be complete for all countries until 1987 and will revolve every 4 - 5 years, just for larger countries as Agypt, Algeria, Nigeria and Zimbabwe they will revolve every 2 years.

2. COMMENT:

A central data file with data by related structure could provide an information system for compressed short country letters. Some figures of such a short letter could be upgraded in shorter intervall and provide a country-development brief based on the structure and contents of the last Country Review.

3. MAIN DATA ELEMENTS

An example is given for Kenya UNIDO/IS.459 (V.84-85168)

4. INPUT

Will be taken from all available Information at IS/REG and IS/SSU.

5. OUTPUT

As given example for Kenya UNIDO/IS.459 will be issued

- in 1984/85 for Algeria
Cammerun
Congo
Aegypt
Malavy
Nigeria
Sudan
Swaziland
Tanzaniaea
Zambia
Zimbabwe
and non African.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
CONCEPTS and OUTLINED SYSTEMS
INDUSTRIAL DEVELOPMENT REVIEW SERIES**

- in 1985/86 for Angola
Gabon
Ivory Cost
Madagaska
Mauritius
Marokko
Mozambique
Tunesia
Zaire
and non African.

- in 1986/87 for the Rest of all developing countries.

6. FOR FURTHER INFORMATION CONTACT

Mr. Roepsdorf IS/REG D2036 ext. 3676

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
INTERMEDIATE SURVEY**

INTERMEDIATE SURVEY
=====

This survey was written on 84-11-08 before review was finished:

Gathering documentations about given Input for IDDA's requirements I met a lot of problems which are common with information problems of other sections. As a lot of collected data is given and the missing data are a common problem as seen below B. and C., decision about Hardware will be given for the main part by the source of data and is to be done just for this part where new data are to be collected.

As main steps towards an IDDA-Information and related decisions I recommended following steps which were approved by IDDA 84-11-14 as framework and as categories for recommendations:

A. STEPS TOWARDS an IDDA INFORMATION SYSTEM

1. Elaborate which information can be taken from copies of reports produced for other purposes.
2. Elaborate which reports can be produced by existing systems after a training of IDDA-Staff and after preparation of special Job Control members for IDDA and other organizational arrangements.
3. Elaborate which information can be gained by additional computer programs adopted to existing systems.
4. Elaborate which reports can be produced by a new system using data, collected on existing systems.
5. Elaborate requirements of information which are residual after step 1. to 4., and elaborate a system recommendation for additional data-collection, -retrival and -reporting.
6. In step 5 care about outlines for systems from other units if the information problem is common.

B. DATA COLLECTION and HARDWARE FACTS

- a) Costs for datacollection or editing by online-connection to Mainframe Computer will grow over the costs of a Minicomputer if the usage time exceeds appoximately 1.0 to 1.5 hours per day and in average.
- b) Datacollection on Minicomputers is always cheeper than online-datacollection on mainframe computer if there is a Minicomputer installated for text editing.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
INTERMEDIATE SURVEY**

- d) Data of common use from more offices or branches should be stored in a mainframe-database or network-system to which all users must be connected.
- c) The link from mainframe datasets to floppy-disk is not given in satisfying manner today. The construction should be common for all floppy-disk users. Solong it's easier to produce final output on Mainframe printers if data are retrieved from mainframe databases.
- e) The cardreader emulation of Wang is given off-line as floppy-disk transformation by an utility of batch-terminal (that means it takes time).
- f) Data retrieval by systems of modern design is not a fact of high costs.
- g) Printing costs are obtained and get minimized by EDP Section.

C. ORGANIZATIONAL- and SKILL-PROBLEMS of DATACOLLECTION

- a) All datacollection for IDDA is a common problem, as all information required by IDDA is a summary or selection of data used for studies and every day's work in whole UNIDO. Thus IDDA should have the chance to retrieve data from sources which are given from systems designed for requirements of other units.
- b) A lot of data-requirements of IDDA, not covered by given systems, are common with unsatisfied requirements of other units.
- c) Fore some systems, recieving data from all day's work, is not given a satisfying data description. Systems documented on low standard can not be recommended for adoptions or common use.
- d) Collection of data, not taken from an organized work-flow, requires specialized skill, as data are to be identified, made comparatible and assigned to the right datafields.
- e) Collection of social and economic data for countries from any sources requires economic skill, as given in the Regional Studies Section (responsible for country related studies). But all industrial studies sections use the computer as a big calculator with private datastorage and there is no central filing with a common structure that would make all collected data about regions and countries readable for common use.
- f) The UNIDO-Database, maintainted by Statistics and Survey Unit, is a big station of collected data, but just retrieved from external sources and these external sources are full of gaps. Although data get collected from various sources by IS/SSU, there is no complete report for any African LDC.

**SUMMARY of REVIEW about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.A.**

from

**HLAUX - Dienstbezeichnung
Tel. 75-51-52 or 54-35-55
Date of Summary 54-12-12**

**SUMMARY of REVIEW about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.A.**

from

**HLAUX - Betriebsinformatik
Tel: 75-51-82 or 84-34-854
Date of Summary 84-12-12**

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMERY of REVIEW**

SUMMERY of REVIEW
=====

Will be categorized by Requirements as follows:	Page
A) ECONOMIC INDICATORS OF COUNTRIES.....	65
B) FIGURES of COUNTRY PROGRAMMES	67
C) UNIDO ACTIVITIES ON PIPELINE PROJECTS.....	69
D) UNIDO ACTIVITIES ON OPERATING PROJECTS.....	72
E) INFORMATION about OTHER ACTIVITIES.....	80
F) SYSTEMS TO FIND AVAILABLE REPORTS.....	83
G) OTHER SYSTEMS to be DISCUSSED.	87

The existing or outlined systems will be discussed combined in
Groups of requirements as shown by cross reference on next page.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMARY of REVIEW
CROSS REFERENCE OF SUMMARY**

<u>SYSTEM.....described at page</u>	<u>Requi.-Groups A.B.C.D.E.F.G</u>
EXPERTS STAFFING TABLE SYSTEM (UKI).....12	.....D).....
PERSONNEL EXPERT INFORMATION SYSTEM .....14	.....D).....
EXPERTS STATUS OF RECRUITMENT SYSTEM (UKU) .....17	.....D).....
PROJECT INFORMATION RETRIEVAL SYSTEM (PIRS) (UMA)..20	..B)..D).....
TECHNICAL COOPERATION BUDGET SYSTEM (UKK).....22	....C)D).....
PROJECT EVALUATION REPORTING (UKE).....24	.....D)..F).
TECHNOLOGICAL INFORMATION EXCHANGE SYSTEM (UQE)....26	.....D).....
UNIDO STATISTICAL DATA BASE (UQD) .....27	A).....
COMMODITY TRADE STATISTICS .....29	A).....
INDUSTRIAL INFORMATION SECTION DOCU.SYS. (ULJ).....31	.....E)F).
INDUSTRIAL DEVELOPMENT ABSTRACTS SYSTEM (ULH).....33	.....F).
INVESTMENT PROMOTION INFO. SYSTEM 'INPRIS' (UK4)...35	....C)..E'...
REFERENCE AND TERMINOLOGY UNIT (ULK).....37	.....E)F).
DOCUMENTS CONTROL SYSTEM (ULG).....38	.....F).
SMALL CONTROL SYSTEMS (UKR and ULB).....40	.....G)
INVESTMENT MEETING SCHEDULE PROGRAM (ULD).....47	....C)..E)...
PROJECT BOOK (OPERATING PROJECTS).....48	.....D).....
COUNTRY BRIEFING NOTES.....49	.....D).....
CHECKLIST OF DOCUMENTS, DIO.....50	.....F).
CHECKLIST OF STUDIES IS/REG .....51	.....F).
COUNTRY INFORMATION SHEETS.....52G)
COUNTRY PROGRAMME MANAGEMENT PLAN, UNDP.....53	..B)C)..E)...
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REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMERY of REVIEW
A) ECONOMIC INDICATORS OF COUNTRIES

A) ECONOMIC INDICATORS OF COUNTRIES
=====

Required essential economic indicators of countries as population, surface, main cities, main natural resources, Gross Industrial Output, Gross Agricultural Output, are given by following systems:

UNIDO STATISTICAL DATA BASE (UQD)

----- page 27

contains by year and country on ADABAS files

Employment (average number of employees or persons engaged)
Wages and Salaries in national currency
Gross Output in national currency
Value added in national currency
Gross fixed capital formation in national currency
Quantity of electric consumed
Index numbers of industrial production by SITC (1975 = 100)
Number of ISIC branches covered

COMMODITY TRADE STATISTICS

----- page 29

By Trade Request Language reports may be produced from massiv sequential files -

- showing data availability (or absence) and if available trade figures for Region or country for one ore more SITC commodities at the 1,2,3,4 or 5 digit level (2 or 3 digit level will be recommendable).

Country of Supplier or Customer, Quantity, Quantity-Unit, Amount in \$ and type of flow (Import, Export, Re-import) may get reported on desired aggregation.

Selections may be done to reduce report length for
one or more (region) reporting countries
one or more SITC commodities (at 1,2,3,4 or 5 digit level)
one or more types of flow
one or more years

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMERY of REVIEW
A) ECONOMIC INDICATORS OF COUNTRIES**

PREPARATION of GDP and MVA DATA (UWM)

----- page 58

Will give GDP and MVA prepared for constant prices, based on informations provided by DRPA New York and

GDP- and MVA-growth-rates by source and weighted average, taken from DRPA and other publications about estimations from

World Bank
IMF
UN regional commissions
DIESA
OECD
and 8 other institutions,

all on sequential datasets. These data may get reported for all African countries.

INDUSTRIAL DEVELOPMENT REVIEW SERIES

----- page 59

The series are antizipated to be complet for all countries until 1987 and will revolve every 4 - 5 years, just for larger Aegypt, Algeria, Nigeria and Zimbabwe will revolve every 2 years.

A copy may be requested.

A central data file with data by related structure could provide an information system for compressed short country letters. Some figures of such a short letter can get upgraded in shorter intervall and provide a 'Country Development Brief' based on the structure and contents of the last Country Review.

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMARY of REVIEW
B) FIGURES of COUNTRY PROGRAMMES

B) FIGURES of COUNTRY PROGRAMMES
=====

with budget figures by year and resource and the share of
UNIDO projects by:

COUNTRY PROGRAMME MANAGEMENT PLAN, UNDP

----- page 53

This listing of approved and new pipeline projects by country
is trailered by Project and Programme Financial Information
(Part III.C) which shows a summary of

'Resources and Proposed Budgets'.

by country, IPF and 'Other Funds' what is a required
information just to be copied.

ACCOUNTING SYSTEM (UKH)

----- page 8

All country data of this system (except by voucher number)
are given at PAD (UKK) or PIRS (UMA) in an satisfying adjustable
aggregation. Because facts of data protection a retrieval
from UKK and UMA is better recommended.

TECHNICAL COOPERATION BUDGET SYSTEM (UKK)

----- page 22

Data from this system is automatically linked into the Project
Information Retrieval System (PIRS) except the following:

Functional title
Programme component/specific activity (gives BSO)
Authority
Project Allotment Document number(s)
Intergovernmental Organization Code (IGO Code)(effective 1984)

We are to decide if above elements may improve the picture.
Summaries over the year are produced by JO/CRU using Wang-PC.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMERY of REVIEW
B) FIGURES of COUNTRY PROGRAMMES**

PROJECT INFORMATION RETRIEVAL SYSTEM (UMA)

----- page 20

By Project-number's codes about
country,
found and
year, as well
as by Programme component,
Region
Status of project
Least developed country indicator
UNIDF priority area
Regular programme indicator
Source of fund group

summaries of the budget lines may get aggregated and show

Total allotment
Allotment current year, curr.year + 1, curr.year + 2
Allotment future years
Expenditures prior years
Disbursement current year
Unliquidated obligation prior years
Unliquidated obligation current year
Obligation future years
Unencumbered balance
Quarterly disbursements
Man months for the past, current and future years

or selections of these.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMERY of REVIEW
C) UNIDO ACTIVITIES ON PIPELINE PROJECTS**

C) UNIDO ACTIVITIES ON PIPELINE PROJECTS
=====

with estimated budget and estimated duration by source of funding with totals by year and subsectors by:

PIPELINE PROJECT INFORMATION SYSTEM

----- page 57

The facilities outlined by DIO are very common with IDDA's requirements of information about pipeline projects.

Outlined is a Database and Retrieval System with following dataelements by project number

- Project title
- Project value
- Proposed Phasing
- Back Stopping Officer's name etc.
- Actions taken by whom and on which date

Besides a list of pipeline Projects with above dataelements summaries by Country,
Region,
Funds and
Actors in different aggregations may be produced.

A list of average delay between certain milestones (coded main activities) by country and region may indicate additional requirements of co-ordination.

COUNTRY PROGRAMME MANAGEMENT PLAN, UNDP

----- page 53

It is a list of approved and new pipeline projects. The approved are numbered with 3-letters Countrycode and figures, not common with UNIDO-Project-Number. A collection of data, the relevant level and the relevant selection may be evaluated and discussed.

The Reports per country contain six parts:

- I. Planned Actions Related to the Country Programme gives announcement of next report.
- II.A Planned Actions Related to Operating Projects shows shortcomings and one statement to the status of project.
- II.B Planned Actions Related to New Projects shows shortcomings and one statement to the object of project.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMERY of REVIEW
C) UNIDO ACTIVITIES ON PIPELINE PROJECTS**

III. Project and Programme Financial Information

- A. shows figures of proposed and current budget over five years of approved projects.
- B. shows figures of proposed budget over five years of new projects.
- C. shows a short summary of 'Resources and Proposed Budgets'.

II.A to III.B. are sorted by country; IPF and 'Other Funds'; and inside them by a not obtainable order.

INVESTMENT PROMOTION INFORMATION SYSTEM (INPRIS)

----- page 35

As the ISIC/main product code and the "Preferred dev. countries" are given in the investors file, the investors can be linked to the countries. We should analyse if data may be included into a pipeline project system and get aggregated with other pipeline data.

INPRIS may supply data from two files:

Investor file

Code number
Name of firm
Address of firm
Telephone/Telex
Contact name/position
ISIC/main product
Preferred dev. countries

Project file

Project number
ISIC
Project title
Activity record
Product and capacity
Total project cost
Study available
Local sponsor
Project status

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMARY of REVIEW
C) UNIDO ACTIVITIES ON PIPELINE PROJECTS

INVESTMENT MEETING SCHEDULE PROGRAM (ULD)

----- page 47

Automatic scheduling of meetings between delegations of developing countries and interested investors, minimizing schedule conflicts, leaves tracs on flopy-disks of this Wang Wang micro computer based system.

The data elements of Investors as

Name

Projects they are interested in and priorities

Times they are available

and Country teams as

Name

Names of projects

Times they are available

may be informative if scheduled to pipeline projects and listed by country.

TECHNICAL COOPERATION BUDGET SYSTEM

----- page 22

When projects appear on this sytem's files, end of Pipeline is reached as approved Projects will soon be operating.

We are to evaluate about the approved not yet operating status, if it will be handeled as operating or not, and if a link between both is worth it's costs or not.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMARY of REVIEW
D) UNIDO ACTIVITIES ON OPERATING PROJECTS**

D) UNIDO ACTIVITIES ON OPERATING PROJECTS
=====

with figers of budget and duration of initial estimation and last revision, by source of funding with totals by year and subsectors are required and more than covered by existing systems. We are to find the best as copy or summary of given reports:

PROJECT BOOK (OPERATING PROJECTS)

----- page 48

This Glossary of all operating Projects, sorted by country, is updated all 3 months by IO-CRO (Central-Reference-Office). This system is based on Wang micro computer text facilities. Text data are hold on Wang-PC floppy. A copy of all or some components of this reporting system may be helpful for IDDA. But the Wang text-facilities are not a recommendable basis for interdivisional co-operation, summaries or aggregations. Just if PIRS (page 20) also cannot satisfy IDDA's requirements of aggregated reports, we have to come back here.

COUNTRY BRIEFING NOTES

----- page 49

An organized co-operation with IO/CRU in this system may be able to improve information upon operational projects. But the Wang text-facilities do not provide a basis for an interdivisional co-operation, as the minimum of data-security is not covered by these systems. A copy of each report, as prepared for DIO on request, may give enough besides aggregated reports from other systems. These Country Briefings contain relevant project data. Reports and studies and the actual technical situation get attached.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMARY of REVIEW
D) UNIDO ACTIVITIES ON OPERATING PROJECTS**

FIELD REPORTS from SIDFA'S and JPO'S

----- page 55

Collection of specific data to a computer system would enable a selective reporting over periods, countries and events and would give the chance to produce summaries.

As format-, content-, period- and reporting-rules will be changed as of beginning of 1985, we should wait with computerization now until the new system will be practised and approved.

Besides this we will see if there are open requirements for an aggregation of these data if already collected data have been computed.

PROJECT INFORMATION RETRIEVAL SYSTEM (UMA)

----- page 20

From PIRS summaries of the budget lines may get aggregated and reported

by Project-number's codes as

- country,
- found,
- year,
- Programme component,
- Region
- Status of project
- Least developed country indicator
- UNIDF priority area
- Regular programme indicator
- Source of fund group

summaries of the budget lines may get aggregated and show data elements as follows or selections of these.

Project title

Summaries of

- Total allotment
- Allotment current year, curr.year + 1, curr.year + 2
- Allotment future years
- Expenditures prior years
- Disbursement current year
- Unliquidated obligation prior years
- Unliquidated obligation current year
- Obligation future years
- Unencumbered balance
- Quarterly disbursements
- Man months for the past, current and future years

As data references are given to Fellowships (see page 19) and Experts Staffing Table (see page 12 and next) the report may get improved by data from this system.

The ADABAS-systems as UKK will be handled as an own group insides 4), but there is some redundant information with UKK.

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMARY of REVIEW
D) UNIDO ACTIVITIES ON OPERATING PROJECTS

EXPERTS STAFFING TABLE SYSTEM (UKI)

----- page 12

Data of it's files get linked into PIRS except:

Programme component/specific activity (BSO)
 Expert name
 Expert personnel number
 All expert start and stop dates
 Expert's grade - step, sex, birthdate, nationality.

As Specific Activity (gives BSO) is given here on a VSAM-File it may improve a reporting from PIRS (see above) with additional information, but will require a system with own datafiles merged from a couple of existing Files. Attention: The Specific Activity is also given on Project Evaluation Reporting (see next).

PROJECT EVALUATION REPORTING

----- page 24

It can be classified as a feedback system from IO (were data get collected) to the Programme-Development Division. Data of this system can improve a reporting about operating projects, but also will require a system with own datafiles merged from a couple of existing Files.

Data elements (* = Common with PIRS)

Status (*?)
 Specific activity
 Project number (*)
 Region (*)
 PAD no.
 Type of report
 Prepared by
 National Counterpart

Start of project
 Scheduled date of receipt of report
 Actual date report received
 Date returned
 Project completion date
 PAD Status (*?)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMERY of REVIEW
D) UNIDO ACTIVITIES ON OPERATING PROJECTS**

TECHNICAL COOPERATION BUDGET SYSTEM

----- page 22

Summaries over the year are produced by IO/CRU using Wang-PC.

From UKK summaries of the budget lines may get aggregated and reported

by Project-number's codes about
country,
found and
year, as well
as by Region
Status of project
UNIDF priority area
Regular programme indicator
Programme component/specific activity (gives BSO)

Data may get aggregated and show

Project title
Functional title
Authority
Project Allotment Document number(s)
Intergovernmental Organization Code (IGO Code)(effective 1984)
Summaries of
Total allotment by year from start to end of project
Mar. months for the past, current and future years

The Sequential systems as PIRS will be handeled as an own group insides 4), but there is redundant information, as data from this system get automatically linked into PIRS except the following:

Functional title
Programme component/specific activity (gives BSO)
Authority
Project Allotment Document number(s)
Intergovernmental Organization Code (IGO Code)(effective 1984)

And PIRS contains somme additional data elements:

Programme component,
Least developed country indicator
Source of fund group
Expenditures prior years
Disbursement current year
Unliquidated obligation prior years
Unliquidated obligation current year
Obligation future years
Unencumbered balance
Quarterly disbursements

As Post Number of UKU-System's ADABAS data base contains Project Number the report may get improved by data from this system.

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMARY of REVIEW
D) UNIDO ACTIVITIES ON OPERATING PROJECTS

EXPERTS STATUS OF RECRUITMENT SYSTEM (UKU)

----- page 17

Maintains a ADABAS data base of the status of technical assistance posts under recruitment.

Post number is based project number. Thus an aggregation by project, programme and a number of dates and flags indicating the current status of the various recruitment steps is possible with following data elements:

Post number (includes project number)
Budget line
Programme component/specific activity code
Post title
Man months of post
For each candidate
Name
Nationality

As Post number is based Project number data of this system may improve a reporting based budget system UKK with following data elements:

Post number (includes project number)
Programme component/specific activity code (gives BSO)
Post titles

PERSONNEL EXPERT INFORMATION

----- page 14

As it is the only on-line query and ad-hoc reporting system based ADABAS including country assignment it is the fastest way to get a list of:

Duty stations by
Country or group of countries
with data elements:
Type contract
Duty station
EOD/COB
Grade
Keywords
Name
Nationality
Personnel Number
Post ID
Sex
Separation type
National expert
SIDFA
Cross ref to other Projects

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.**

SUMMARY of REVIEW

D) UNIDO ACTIVITIES ON OPERATING PROJECTS

TECHNOLOGICAL INFORMATION EXCHANGE SYSTEM (UQE)

----- page 26

An industrial code attached to these contract data makes them applicable for industrie aggregations by country and/or Recipient Type.

We will evaluate if counted appearance of

Contract - currency code,
- date,
- duration or

Supplier - country code and
- company code

will give an informative picture about African countries.

UTILIZATION of given data from OPERATING PROJECTS

=====

can be practised as two packages, one sequential package "S" and an ADABAS package "A" and mentioned as systems based on them:

System S* based given sequential Files

System A* based given ADABAS Files

Both systems would be very redundant but none of both covers all:

S* is realizable including data
retrieved from
PROJECT INFORMATION RETRIEVAL SYSTEM (PIRS,UMA)..see page 20
improved with data from
EXPERTS STAFFING TABLE SYSTEM (UKI).....see page 12
and
PROJECT EVALUATION REPORTING (UKE).....see page 24
and counted numbers retrieved from
TECHNOLOGICAL INFORMATION EXCHANGE SYSTEM (UQE)..see page 26

A* is realizable including data
retrieved from
TECHNICAL COOPERATION BUDGET SYSTEM (UKK).....see page 22
improved with data of
PERSONNEL EXPERT INFORMATION SYSTEMsee page 14
and improved with data of
EXPERTS STATUS OF RECRUITMENT SYSTEM (UKU)see page 17

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMARY of REVIEW
D) UNIDO ACTIVITIES ON OPERATING PROJECTS

S* + A* in as mentioned have this common data elements

wich may get aggregated by:

Region
Country,
Fund
Year
Status of project
UNIDF priority area
Regular programme indicator
Programme component/specific activity (gives BSO)

and wich may show:

Project title
Project Allotment Document number(s)
Summaries of
Total allotment by year from start to end of project
Man months for the past, current and future years
Programme component/specific activity (BSO)
All expert start and stop dates
Expert's name, personnel number, grade, sex and nationality.
Status of project
PAD no.

S* contains some additional data elements:

From PIRS:

Programme component,
Least developed country indicator
Source of fund group
Expenditures prior years
Disbursement current year
Unliquidated obligation prior years
Unliquidated obligation current year
Obligation future years
Unencumbered balance
Quarterly disbursements

Data of UKI may improve a reporting

S* with data elements not included in A*:

All expert start and stop dates
Expert's birthdate

Data of PROJECT EVALUATION REPORTING system may improve

S* with data elements not included in A*:

Type of report
Prepared by
National Counterpart
Start of project
Scheduled date of receipt of report
Actual date report received
Date returned

1984/12/16

Uk6#recidda

PAGE 79

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.**

SUMMARY of REVIEW

D) UNIDO ACTIVITIES ON OPERATING PROJECTS

Project completion date

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMARY of REVIEW
D) UNIDO ACTIVITIES ON OPERATING PROJECTS**

A* contains some additional data elements:

from UKK:

Functional title

Authority

Intergovernmental Organization Code (IGO Code)(effective 1984)

As Post number is based on Project number, UKU's data may improve

A* with data elements not included in S*:

Post number (except project number)

Post titles

A number of dates and flags

(indicating the current status of recruitment steps)

Data of PERSONNEL EXPERT INFORMATION system may improve

A* with data elements not included in S*:

Duty stations

by:

Country or group of countries

with:

Type contract

EOI/COB

Keywords

Post ID

Separation type

National expert

SIDFA

Cross ref to other Projects

As global proposal may be recommended the System S* in combination
with adoptions to PERSONNEL EXPERT INFORMATION system.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMERY of REVIEW
E) INFORMATION about OTHER ACTIVITIES**

E) INFORMATION about OTHER ACTIVITIES
=====

as set by World Bank,
EEC,
Bilateral sources
Major Private Undertakings
and main reports available.

We did not contact the Investment Co-operative Programme Branch until now, as there were no traces of computerization to be seen in EDP-Section or other points.

FIELD REPORTS from SIDFA'S and JPO'S

page 55

This Reporting System established by Field Reports Monitoring Section (FRMS) of Division of Policy Co-ordination is provided to secure a regular and adequate flow of information from the field to UNIDO Headquarters and contains some Information about other activities in it's yearly part:

1. Yearly Country Briefs

- political scene
- industrial government policy and strategies
- industrial economic analysis
- overall assessment and recommendations about
 - On-going technical co-operation programme
 - Pipeline technical co-operation programme
- * - Alternate sources of funds or executing agencies
- * - Activities related to Special Programmes

A data-collection of essential indicators of these reports should be discussed within D) Systems on Operating Projects.

In CHAPER A) ECONOMIC Indicators..
and CHAPER C) Activites on PIPELINE Projects
=====

we discussed systems including data of other activities:

INDUSTRIAL DEVELOPMENT REVIEW SERIES

page 59 and 65

Gives an ambiguous picture focusing on countries.

COUNTRY PROGRAMME MANAGEMENT PLAN, UNDP

page 53 and 69

It is a list of approved and new pipeline projects of all UNDP Country Programme.

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMARY of REVIEW
E) INFORMATION about OTHER ACTIVITIES

INVESTMENT PROMOTION INFORMATION SYSTEM (INPRIS)

----- page 35 and 70

As the ISIC/main product code and the "Preferred dev. countries" are given in the investors file, the investors can be linked to the countries.

INPRIS may supply data from two files:

Investor file

Code number
 Name of firm
 Address of firm
 Telephone/Telex
 Contact name/position
 ISIC/main product
 Preferred dev. countries

Project file

Project number
 ISIC
 Project title
 Activity record
 Product and capacity
 Total project cost
 Study available
 Local sponsor
 Project status

INVESTMENT MEETING SCHEDULE PROGRAM (ULD)

----- page 47

Automatic scheduling of meetings between delegations of developing countries and interested investors, minimizing schedule conflicts, leaves traces on floppy-disks of this Wang Wang micro computer based system.

The data elements of Investors as

Name

Projects they are interested in and priorities

Times they are available

and Country teams as

Name

Names of projects

Times they are available

may be informative if scheduled to pipeline projects and listed by country.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMERY of REVIEW
E) INFORMATION about OTHER ACTIVITIES**

INDUSTRIAL INFORMATION SECTION DOCUMENTATION SYSTEM (ULJ)

----- page 31
and page 83

Maintains an ISIS data base of questionnaire, directory
and management information with:

Names and addresses of institutions
Answers from questionnaires of different type
Queries received by the Industrial Inquiry Service
Keywords from dictionaries
ISIC sector codes

OPERATIONAL SUMMARY of BANK and IDA

----- page 56

This reporting system established by International Bank for
Reconstruction and Development, International Development
Association, provides monthly report on activities to projects
in it's major milestones as set by IDA.

If we can identify the projects and give them project numbers,
collection of all or specific data to a computer system would
enable a selective reporting over periods, countries and events and
would give the chance to produce summaries.

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMERY of REVIEW
F) SYSTEMS TO FIND AVAILABLE REPORTS

F) SYSTEMS TO FIND AVAILABLE REPORTS
=====

Reports may be selected by:

INDUSTRIAL DEVELOPMENT ABSTRACTS SYSTEM

----- page 33

This ISIS data base of abstracts from publications provides a publication information retrieval system.

On-line queries may be based on the following fields:

Catch- and Key-words of Abstract
Document Date
Country Code
Languages
Personnel Author
Corporate Author
Title
Conference
Document Number
Project Number
Classification
Heading
Sub.Heading
S.S.Heading
Meeting
Sort Number

and will answer with desired selection of above data elements.

There are ANY TABLES which give the chance to define questions for example with 'any Africa' what is same as a list of all names of the African countries.

For purposes of IDDA special Any-Tables can be defined, JCL-Procedures and Mailing of Output are to be prepared and organized.

An example for a question like "What are the abstracts including 'Housing' and 'Building' in any African LDCs?" is attached. This output does not include abstracts including 'brikets factoring' for example. To pose questions to any building or any housing including brikets, an Any-Table must be defined and linked into the system.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMARY of REVIEW
F) SYSTEMS TO FIND AVAILABLE REPORTS**

INDUSTRIAL INFORMATION SECTION DOCUMENTATION SYSTEM (ULJ)

----- page 31

This ISIS data base of questionnaire, director and management information for the Industrial Information Section provides on-line queries based on the following fields:

- Names and addresses of institutions
- Answers from questionnaires of different type
- Queries received by the Industrial Inquiry Service
- Keywords from dictionaries
- ISIC sector codes

and will answer with desired selection of above data elements.

There are ANY TABLES which give the chance to define questions for example with 'any Africa' what is same as a list of all names of the African countries. For purposes of IDDA special Any-Tables can be defined, JCL-Procedures and Mailing of Output are to be prepared and organized.

REFERENCE AND TERMINOLOGY UNIT

----- page 37

Purpose of this system is to provide a high-level dictionary for interpreters based on Terminologies, but it may be helpful to find reports and publications from the Documents Control Unit, by Terminologies, if they are not produced by UNIDO (for UNIDO documents see System-IDA).

This ISIS system provides on-line queries based on the following fields:

- Titles of publications in English, French, Spanish, German
- Subject category
- Document number
- File reference

and will answer with desired selection of above data elements.

For purposes of IDDA special JCL-Procedures and Mailing of Output are to be prepared and organized.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMERY of REVIEW
F) SYSTEMS TO FIND AVAILABLE REPORTS**

PROJECT EVALUATION REPORTING

----- page 24

It can be classified as a feedback system from IO (were data get collected) to the Programme-Development Division.
It can improve project reportings and give help to find technical reports by:

Status
Specific activity
Project number
Region
PAD no.
Type of report

giving:

Prepared by
National Counterpart
Scheduled date of receipt of report
Actual date report received
Date returned
Project completion date
PAD Status

CHECKLIST OF STUDIES IS/REG

----- page 51

As this checklist is sorted by country and main series, it is a efficient tool to find studies availed about African countries from side of IS / Regional and Country Studies Section.
The laguage is not given in this checklist, but all I have seen is English.
This checklist will be issued 3 to 4 times a year if new entries are given. Last edition was 84-08-01 next expected november 84.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMERY of REVIEW
F) SYSTEMS TO FIND AVAILABLE REPORTS**

CHECKLIST OF DOCUMENTS, DIO

----- page 50

This glossary list provides an indication of internal documents and reports prepared by DIO since its inception. With few exceptions, it does not include other publications as prepared for meetings of expert working groups, workshops, seminars or similars.

The list is sorted by IOD-numbers and will not cover search criteria for purpose of IDDA. If listed documents are not given in Abstracts System, for an proper retrieval they should get included to the ULJ (page 31 and 83). The data are stored on Wang micro computer flop-disk by text facilities.

IO/CRU produces this Internal Reference List with monthly additions.

DOCUMENTS CONTROL SYSTEM

----- page 38

It can be classified as an administrative system for the Documents Control Unit. A selection of documents is possible here just with given data elements:

- Job number
- Document symbol
- Account code
- Date received
- Dates for each of the 9 production steps:
 - Deadline
 - Date of completion
 - Amount of work
 - Status flag

For further information contact:

- Ms. Millar (Documents Control Unit)
- Mr. Stuttner (EDP Section)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMERY of REVIEW
G) OTHER SYSTEMS to be DISCUSSED**

G) OTHER SYSTEMS to be DISCUSSED:
=====

SUBCONTRACTORS INFORMATION SYSTEM (UKR)

----- page 42

No relevant information on Africa is not given by this system.
But you may retrieve a report of all African UNIDO-suppliers
if given in any time with

Field of activity
Size of company
Country code
Contractor name
Service codes (type of service offered)

For further information contact:
Ms. V. Gazzari (IO/PAC)
Mr. Stuttner (EDP Section)

MAILING LIST SYSTEM (ULB Public Information Section)

----- page 45

Maintains a computerized file of mailing addresses for
selective retrieval and printing on self adhesive labels.
Besides the name and address the file contains:

Dispatch code
Priority code
Source reference code
Fields of interest of the addressee
Types of organization of the addressee
Locational interest of the addressee
For each address
Which mailing lists use this address
Number of copies per language (E, F, S, R, G, C, A)

For further information contact:
Mr. Hitchings (Public Information Section)
Mr. Stuttner (EDP Section)

1984/12/18

Uk6#recidda

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**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
SUMMERY of REVIEW
G) OTHER SYSTEMS to be DISCUSSED**

COUNTRY INFORMATION SHEETS

----- page 51

This Report provides a directory of names and addresses for all
IO related UN-Stuff at UN-Countries.
This system is based on Wang micro computer text facilities.

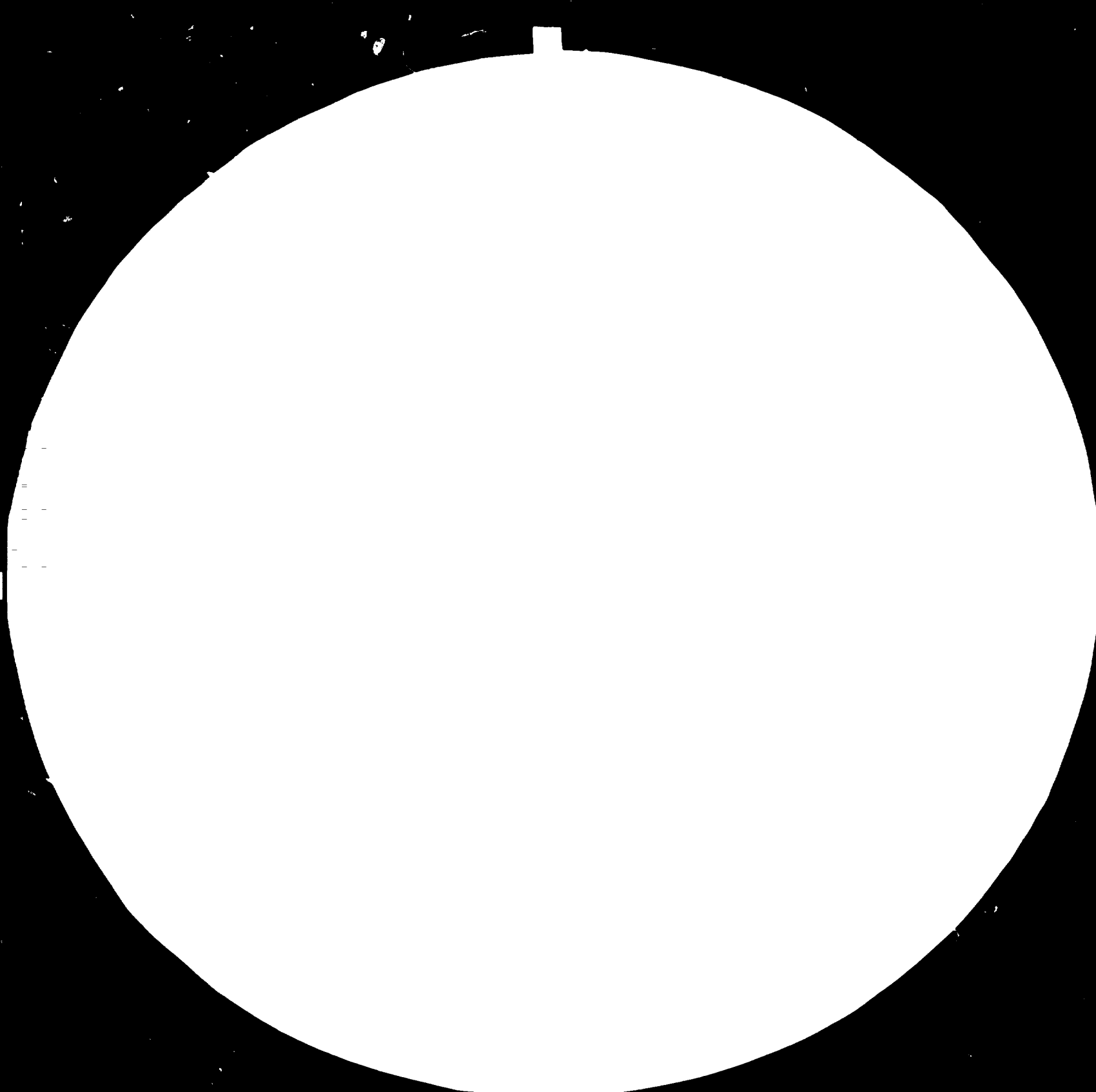
A copie has been send to IDDA until now.

**RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.S.A.**

from

**HLAUX - Betriebsinformation
Tel: 75-81-82 or 84-84-834
Date of Subject 84-12-13**

RECEIVED





32



36



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-
STANDARD REFERENCE MATERIAL 1010a
(ANSI and ISO TEST CHART No. 2)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS**

RECOMMENDATIONS
=====

As result of an intermediate survey per 84-11-14 (see page 61) groups of recommendations got reset as follows:

1. Recommendable copies of reports produced for other purposes.
2. Recommendable applications of existing Systems for purposes of IDDA by training of IDDA-Staff and preparation of special Job Control and other organizational arrangements.
3. Recommendable adoptions to existing Systems.
4. Recommendable new Systems using data obtainable from computerized reference files.
5. Recommendable new system including new data-collection.
6. Recommendable co-operations on outlined systems for other units.

TABLE OF RECOMMENDATIONS
=====

	Page
CROSS REFERENCE OF RECOMMENDATIONS	90
1) COPIES OF EXISTING REPORTS	92
2) ARRANGEMENTS TO USE EXISTING SYSTEMS	94
3) ADOPTIONS TO EXISTING SYSTEMS	97
4) NEW SYSTEMS BASED ON EXISTING DATA	101
(includes not covered by collected data as 2.step)	
5) NEW SYSTEMS NOT SERVED WITH COLLECTED DATA	103
(includes EXISTING OUTLINES)	
6) CENTRAL PRINTFORM of COUNTRY BRIEF	108
7) FINAL STATEMENT	111

The existing or outlined systems will be discussed under these groups of requirements as shown by cross reference next page:

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
CROSS REFERENCE OF RECOMENDED SYSTEMS**

SYSTEM.....described at page	assigned to steps
	1) 2) 3) 4) 5)
A) ECONOMIC INDICATORS OF COUNTRIES.....65	
UNIDO STATISTICAL DATA BASE (UQD)	27 .....5)
COMMODITY TRADE STATISTICS	29 .....3).....
PREPARATION of GDP and MVA DATA	58 .....5)
INDUSTRIAL DEVELOPMENT REVIEW SERIES	59 1).....
and together with UQD to .....	.....5)
B) FIGURES of COUNTRY PROGRAMMES .....67	
PROJECT INFORMATION RETRIEVAL SYSTEM (PIRS) (UMA)..20	no.....
but with others to .....	.....5)
Summary of TECHNICAL COOPERATION BUDGET SYS.(UKK)..22	1).....
COUNTRY PROGRAMME MANAGEMENT PLAN, UNDP.....53	1).....
or with others to .....	.....5)
FIELD REPORTS from SIDFA'S and JPO'S	55 1).....
or with others to .....	.....5)
C) UNIDO ACTIVITIES ON PIPELINE PROJECTS.....69	
TECHNICAL COOPERATION BUDGET SYSTEM (UKK).....22	no.....
INVESTMENT PROMOTION INFO. SYSTEM 'INPRIS' (UK4)...35	.....5)
INVESTMENT MEETING SCHEDULE PROGRAM (ULD).....47	.....3).....
or if proper link to Mainframe is given to .....	.....5)
COUNTRY PROGRAMME MANAGEMENT PLAN, UNDP.....53	1).....
or with others to .....	.....5)
PIPELINE PROJECT INFORMATION SYSTEM	57 .....5)
D) UNIDO ACTIVITIES ON OPERATING PROJECTS.....72	
EXPERTS STAFFING TABLE SYSTEM (UKI).....12	no.....
PERSONNEL EXPERT INFORMATION SYSTEM	14 .....3).....
or with others to .....	.....5)
EXPERTS STATUS OF RECRUITMENT SYSTEM (UKU)	17 .....no.....
PROJECT INFORMATION RETRIEVAL SYSTEM (PIRS) (UMA)..20	.....3).....
and with UKE to .....	.....4).....
and with others to .....	.....5)
TECHNICAL COOPERATION BUDGET SYSTEM (UKK).....22	no.....
but with others to .....	.....5)
PROJECT EVALUATION REPORTING (UKE).....24	no.....
but with PIRS to .....	.....4).....
TECHNOLOGICAL INFORMATION EXCHANGE SYSTEM (UQE)....26	.....3).....
and with others to .....	.....5)
PROJECT BOOK (OPERATING PROJECTS).....48	1).....
COUNTRY BRIEFING NOTES.....49	1).....
FIELD REPORTS from SIDFA'S and JPO'S	55 1).....

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
CROSS REFERENCE OF RECOMENDED SYSTEMS**

E) INFORMATION about OTHER ACTIVITIES.....	80	
INDUSTRIAL INFORMATION SECTION DOCU.SYS. (ULJ).....	31	...2).....
and with Pipeline System to .....		.....5)
INVESTMENT PROMOTION INFO. SYSTEM 'INPRIS' (UK4)...	35	...2).....
and with Pipeline System to .....		.....5)
INVESTMENT MEETING SCHEDULE PROGRAM (ULD).....	47	.....3).....
or with others to .....		.....5)
COUNTRY PROGRAMME MANAGEMENT PLAN, UNDP.....	53	.....no.....
FIELD REPORTS from SIDFA'S and JPO'S	55	1).....
OPERATIONAL SUMMARY of BANK and IDA.....	56	.....5)
INDUSTRIAL DEVELOPMENT REVIEW SERIES	59	.....no.....
F) SYSTEMS TO FIND AVAILABLE REPORTS.....	83	
PROJECT EVALUATION REPORTING (UKE).....	24	...2).....
INDUSTRIAL INFORMATION SECTION DOCU.SYS. (ULJ).....	31	...2).....
INDUSTRIAL DEVELOPMENT ABSTRACTS SYSTEM (ULH).....	33	...2).....
REFERENCE AND TECHNOLOGY UNIT (ULK).....	37	...2).....
DOCUMENTS CONTROL SYSTEM (ULG).....	38	.....no.....
CHECKLIST OF DOCUMENTS, DIC.....	50	...2).....
CHECKLIST OF STUDIES IS/REG	51	1).....
G) OTHER SYSTEMS to be DISCUSSED.	83	
SMALL CONTROL SYSTEMS (UKR and ULB).....	40	.....no.....
COUNTRY INFORMATION SHEETS.....	52	1).....

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS**

1) COPIES OF EXISTING REPORTS

1) COPIES OF EXISTING REPORTS
=====

Copies of following reports will be useful:

Summary of TECHNICAL COOPERATION BUDGET SYS.(UKK)

----- see page 22

is recommended to obtain

FIGURES of COUNTRY PROGRAMMESsee page 67

For further information contact:

Mrs.Rohn IO/CRU

INDUSTRIAL DEVELOPMENT REVIEW SERIES

----- see page 59

Is recommended to obtain

ECONOMIC INDICATORS OF COUNTRIES.....see page 65

(see too 5) INDICATORS PAGE)

For further information contact:

Mr. Roepsdorf IS/REG D2036 ext. 3676

or IS/REG at D2043 ext. 3679 or 4323

CHECKLIST OF STUDIES IS/REG

----- see page 51

Is recommended to find reports about

ECONOMIC INDICATORS OF COUNTRIES.....see page 65

For further information contact:

IS/REG at D2043 ext. 3679 or 4323

COUNTRY PROGRAMME MANAGEMENT PLAN, UNDP

----- see page 53

Last pages (Part III.C) of each African country
report are recommended to obtain

FIGURES of COUNTRY PROGRAMMESsee page 67

Part II and III last edition of each African country
report are recommended to obtain

UNIDO ACTIVITIES ON PIPELINE PROJECTS.....see page 69

For further information contact:

UNIDO-Registry (Mrs.Hartl D-1669 ext:4785).

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS**

1) COPIES OF EXISTING REPORTS

FIELD REPORTS from SIDFA'S and JPO'S

----- see page 55

Yearly reports are recommended to obtain
FIGURES of COUNTRY PROGRAMMESsee page 67
and
All reports are recommended to obtain
INFORMATION about OTHER ACTIVITIES.....see page 80
and about
UNIDO ACTIVITIES ON OPERATING PROJECTS.....see page 72

For further information contact:
Mrs. Sperling PC/FRMS D-1635 x4730

PROJECT BOOK (OPERATING PROJECTS)

----- see page 48

Gives a glossary by country of all operating
projects and is an index for
UNIDO ACTIVITIES ON OPERATING PROJECTS.....see page 72

For further information contact:
Mrs.Rohn IO/CRU

COUNTRY BRIEFING NOTES

----- see page 49

Gives actual information about a country
from time to time including
UNIDO ACTIVITIES ON OPERATING PROJECTS.....see page 72

For further information contact:
Mrs.Rohn IO/CRU

COUNTRY INFORMATION SHEETS

----- see page 51

are already used by IDDA.

For further information contact:
Mrs.Rohn IO/CRU

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS**

2) ARRANGEMENTS TO USE EXISTING SYSTEMS

2) ARRANGEMENTS TO USE EXISTING SYSTEMS
=====

To get proper service from systems recommended as follows,
there are 4 arrangement actions to be done:

1. Prepare Computer JCL and Procedures which can get modified
by general Staff of CU/IDDA without support from side of
a Computer Specialist after some training.
2. Computer training in use of TSO- and Special-features
given from a systems-analyst to General-Staff
of CU/IDDA.
3. Find out necessary authorizations for use of systems and
organize co-operation with EDP and Officials for systems
on side of the Main User.
4. Define Anytables with objects of IDDA, as there are:

Country Groups
Language Groups
Industry Groups and it's main products
Funds (Subfunds) and financial resources
Programmes and Programme-components
Groups of Persons as SIDFA's, JPO'S, Representatives, BSO's
and others.

5. Prepare suitable query-samples which can get modified by
General Staff of CU/IDDA.

When these actions will be done to the systems as follows,
the whole requirement F) "How to find available Reports"
will be covered in a very satisfying manner.

Besides this you may gain few information about "what is going
on" as required at E)..OTHER ACTIVITIES.

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
2) ARRANGEMENTS TO USE EXISTING SYSTEMS

F) SYSTEMS TO FIND AVAILABLE REPORTS.....see page 83

as follows, will be available when the actions 1. to 5. are done:

INDUSTRIAL INFORMATION SECTION DOCU.SYS. (ULJ)..see page 31

For further information contact:

Ms. Kathrine Grandini (IS/Ind.Information Section) ext.3693

Mr. Stuttner (EDP Section) ext.3576/3577

INDUSTRIAL DEVELOPMENT ABSTRACTS SYSTEM (ULH)...see page 33

For further information contact:

Mr. Rennert (IS/Industrial Information Section)

Mr. Stuttner (EDP Section)

REFERENCE AND TERMINOLOGY UNIT (ULK).....see page 37

For further information contact:

Ms. D. Eichfelder (Reference and Terminology Unit)

E-0409 ext. 3210 / 3205

Mr. Stuttner (EDP Section)

CHECKLIST OF DOCUMENTS, DIO.....see page 50

besides actions 1. to 5. proper utilization of data of this checklist will require one or two more actions:

6. Find out whether all documents of this checklist are included in one of the above systems ULJ or ULH, or if not:

7. Organize data-transmission from Checklist to Information System ULJ.

For further information contact:

Mrs.Rohn IO/CRU

PROJECT EVALUATION REPORTING (UKE).....see page 24

besides actions 1. to 3. proper utilization of this system will require SAS-Procedures to be prepared for use of this SAS-System to find reports about operating projects.

For further information contact:

Mr. De Groot (PC Dev)

Mr. Stefanov (EDP Section)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
2) ARRANGEMENTS TO USE EXISTING SYSTEMS**

E) INFORMATION about OTHER ACTIVITIES.....see page 80

When actions 1. to 5. above are done to the

INDUSTRIAL INFORMATION SECTION DOCU.SYS. (ULJ)...see page 31
(for further information contact:

Ms. Kathrine Grandini (IS/Ind.Information Section) ext.3693
Mr. Stuttner (EDP Section) ext.3576/3577)

and will be done to the

INVESTMENT PROMOTION INFO. SYSTEM 'INPRIS' (UK4).see page 35
(for further information contact:

Mr. Amato-Gauci (IO/COOP) D-1081 ext: 4868/4818
Mr. H. Stuttner (EDP Section))

CU/IDDA will try to retrieve information about "Other Activities"
from these systems by preparation of suitable query-procedures
which will require an approach by some trial and error analysis.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
3) ADOPTIONS TO EXISTING SYSTEMS**

3) ADOPTIONS TO EXISTING SYSTEMS
=====

A) ECONOMIC INDICATORS OF COUNTRIES

===== see page 65

MAJOR TRADE COMPONENTS OF COUNTRY

Just a small number of computer programmes adopted to

COMMODITY TRADE STATISTICS SYSTEMsee page 29

which may be written in a special makro-language,
created for these Systems by IS/SSU, will enable CU/IDDA
to obtain a good survey of Trade-Components.

44 printed lines on one page will give a picture of major
Trade-Components and their volume, and the specialisation and
specialisation-degree of national production and national
requirements not covered by national production.

The Page of Major Trade-Components Per Country will show:

The 20 highest amounts of imported and exported goods or
groups of goods selected from a preselected
list as follows:

The 20 highest amounts of imported and exported goods
specified on the 5-digit SITC.

The 16 highest amounts of imported and exported groups of goods
specified on the 4-digit SITC. For selection
the amounts of selected 5-digit goods will be
subtracted from the 4-digit groups.

The 12 highest amounts of imported and exported groups of goods
specified on the 3-digit SITC. For selection
the amounts of selected 5-digit goods and
4-digit groups will be subtracted from the
3-digit groups.

The 8 highest amounts of imported and exported groups of goods
specified on the 2-digit SITC. For selection
the amounts of selected 5-digit goods and
3- and 4-digit groups will be subtracted from the
2-digit groups.

The 4 highest amounts of imported and exported groups of goods
specified on the 1-digit SITC. For selection
the amounts of selected 5-digit goods and 2-,
3- and 4-digit groups will be subtracted from the
1-digit groups.

Title and amount and quantity will get printed and there will
get printed 2 x 2 Total Lines for exports and imports:

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS**

3) ADOPTIONS TO EXISTING SYSTEMS

1. Total of selected imports and exports
2. Total of other imports and exports

The data will be obtained from the last year that was reported. SITC-REV.1 or SITC-REV.2 will be based whether data are given or not.

For further information contact:

Mr. Hernan Marim-Guzman (IS/SSU) D-2050 ext.3562

D) UNIDO ACTIVITIES ON OPERATING PROJECTS

===== see page 72

FINANCIAL SITUATION OF TECHNICAL ASSISTANCE

CU/IDDA may get this list from computer programmes adopted to:

PROJECT INFORMATION RETRIEVAL SYSTEM (UMA).....see page 20

They will enable a reporting -
aggregated by:

Region
Country
Year
Fund

with counted numbers and sub-totaled amounts of:

Special indicators:
Least developed country
UNIDF priority area
Source of fund group
Programme component

reporting a selection of:

Project Title
Total Allotment
Allotment current year, current year + 1, current year + 2
Allotment future years
Expenditures prior years
Disbursement current year
Unliquidated obligation prior years
Unliquidated obligation current year
Obligation future years
Unencumbered balance
Quarterly disbursements

For further information contact:

Mrs. G. Rohn (IC/CRU)

Mr. O.-M. Stefanov (EDP Section)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
3) ADOPTIONS TO EXISTING SYSTEMS**

SUPPLIERS FLOW OF TECHNICAL ASSISTANCE

Computer programmes adopted to

TECHNOLOGICAL INFORMATION EXCHANGE SYSTEM (UQE)..see page 26

will enable CU/IDDA using data related to operating projects
to produce a report:

aggregated by Recipient Country
Suppliers Country
Industrial Code
Recipient Type

with listed informations used on:
Contract duration
other not-documented data elements and
Comments

For further information contact:
Ms. Cramwinkel (IS/Development and Transfer of Technology Branch)
Mr. Stuttner (EDP Section)

CHANGES IN CONTRACTS OF TECHNICAL ASSISTANCE

Computer programmes adopted to

TECHNOLOGICAL INFORMATION EXCHANGE SYSTEM (UQE)..see page 26

will enable CU/IDDA to produce a report:

aggregated by Recipient Country
Suppliers Country
Industrial Code
Recipient Type

with listed informations based on:
Company Code
Contract Duration
other not-documented data elements and
Comments

For further information contact:
Ms. Cramwinkel (IS/Development and Transfer of Technology Branch)
Mr. Stuttner (EDP Section)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
3) ADOPTIONS TO EXISTING SYSTEMS**

- C) UNIDO ACTIVITIES ON PIPELINE PROJECTS
===== see page 69
and
E) INFORMATION about OTHER ACTIVITIES
===== see page 80
are given at:

INVESTMENT MEETING SCHEDULE PROGRAM (ULD)
----- see page 47

A retrieval of these data to the Pipeline Projects Information System would be desirable, but a lot of problems are to be solved (to do), and these problems are in common with the general data integration by link from Micro to Mainframe or other Micro.

A copy of the floppy-disks of this system may be used as a basis and any Micro-computer programmes for selection, summary and listings of these data can give a relevant computer report.

For further information contact:
Mr. Khouadja (IO/Co-operative Programme Branch)
Mr. Gillcris (EDP Section)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
4) NEW SYSTEMS BASED ON EXISTING DATA**

4) NEW SYSTEMS BASED ON EXISTING DATA
=====

In general let's say all information about activities and investments is given by 4 groups of data:

- B) data of programme and funds managements
- C) data of pipeline projects monitored by UNIDO
- D) data of operating projects monitored by UNIDO
- E) data of projects not or not yet monitored by UNIDO

This classification is communicating with 4 of the 7 groups presented by Summary of Review in this report.

The output required by IDDA communicates in A) and F) but leads across these lines in chapters B), C), D) and E):

- a) requires informativ view on financial investments by countries and over time what is over the classes B to E.
- b) requires informativ view on flow of technical assistance by countries and over time what is over the classes B to E.
- c) requires informativ view on activities and its changes by countries and over time what is over the classes B to E.

As there are just data collected for common use on D), CU/IDDA is to develop systems for a), b) and c) in four realization-steps:

- 4.1) Programmes for retrieval from internal data-sets
- 4.2) Reporting programmes
- 4.3) Programmes for additiv on-line data collection
- 4.4) Programmes for additiv retrieval from external data logger
one by one may get adopted for data from one external institution after another.

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
4) NEW SYSTEMS BASED ON EXISTING DATA

FINANCIAL FLOW OF TECHNICAL ASSISTANCE

A new system using data just related to operating projects of PROJECT INFORMATION RETRIEVAL SYSTEM (PIRS,UMA)..see page 20 and PROJECT EVALUATION REPORTING (UKE).....see page 24 and perhaps History Backup-Files of one of both

Will enable a reporting -

aggregated by

- Source of fund group
- Fund
- Year,
- Expert's nationality
- Recipient Region
- Recipient Country,
- Programme component,
- Specific Activity (gives BSO)
- Status of project
- UNIDF priority area

Data may get summarized, counted and listed as:

Summaries of

- Total allotment by year from past, current and future years
- Man months for the past, current and future years

Countings of

- Programme component,
- Specific activity (BSO)
- All expert starts and stops
- Expert's grade, sex and nationality

For further information contact:

- Mrs. G. Rohn (IO/CRU)
- Mr. De Groot (PC/Dev)
- Mr. C.-M. Stefanov (EDP Section)

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS**

5) NEW SYSTEMS NOT SERVED WITH COLLECTED DATA

5) NEW SYSTEMS NOT SERVED WITH COLLECTED DATA
=====

PIPELINE PROJECT INFORMATION SYSTEM

----- see page 57

For purposes of IDDA a System outlined by DIO giving information about

UNIDO ACTIVITIES ON PIPELINE PROJECTS.....see page 69
is recommendable including data

collected at DIO for each event and major Milestones in the upgrading process until a Project gets approved and becomes operating or failes.

Co-operation on an outline of DIO is recommendable, as this outline covers a lot of IDDA-requirements and no overhead from point of IDDA. The requirement perhaps is also in common with requirements of DPC. Some reporting output should be adopted to the outline from side of CU/IDDA with aggregations by:

- Country Groups
- Language Groups
- Industry Groups
- Funds and Subfunds
- Programmes and Programme-components
- Groups of Persons as SIDFA's, JPO'S, Representatives, LSO's and others.

For further information contact:

Mr. F. Roche (DIO)	D-1504	x3970
Mr. M. Toure (PC/DEV)	D-1733	x3715
Mme. di Pietro (DIO)	D-1550	x3778

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
5) NEW SYSTEMS NOT SERVED WITH COLLECTED DATA**

DEVELOPMENT ACTIVITIES AND PROGRAMMES DATABASE

can be the name of a System which will cover IDDA's and Other's requirements of information about "What Is Going On".

for

- C) UNIDO ACTIVITIES ON PIPELINE PROJECTS.....see page 69
data should be retrieved from
PIPELINE PROJECT INFORMATION SYSTEMsee above

and for

- D) UNIDO ACTIVITIES ON OPERATING PROJECTS.....see page 72
data should be retrieved from
PERSONNEL EXPERT INFORMATION SYSTEMsee page 14
and retrieved from
PROJECT INFORMATION RETRIEVAL SYSTEM (UMA).....see page 20
and retrieved from
TECHNICAL COOPERATION BUDGET SYSTEM (UKK).....see page 22
and retrieved from
TECHNOLOGICAL INFORMATION EXCHANGE SYSTEM (UQE)..see page 26

and for

- E) INFORMATION about OTHER ACTIVITIES.....see page 80
additional data should be retrieved from
INVESTMENT PROMOTION INFO. SYSTEM 'INPRIS' (UK4).see page 35
and retrieved from
INDUSTRIAL INFORMATION SECTION DOCU.SYS. (ULJ)...see page 31
and if link from Micro to Mainframe gets prepared in
proper way, from
INVESTMENT MEETING SCHEDULE PROGRAM (ULD).....see page 47
and last not least from
OTHER SOURCES given on data loggers of other organisations,

and collected from

- COUNTRY PROGRAMME MANAGEMENT PLAN, UNDP.....see page 53
and collected from
FIELD REPORTS from SIDFA'S and JPO'Ssee page 55
and collected from
OPERATIONAL SUMMARY of BANK and IDA.....see page 56
and
OTHER SOURCES given at Library.

For

- B) FIGURES of COUNTRY PROGRAMMESsee page 67

Summaries and counted numbers of this data-base will provide a completed information about Programme's Situation.

It's recommendable to include these requirements of group B) into an Activities Data Base, because all relevant events and other data given on Programmes are objects of "What is going on". When data get collected or retrieved to this data base the requirement can get covered just by reporting computer programmes.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
5) NEW SYSTEMS NOT SERVED WITH COLLECTED DATA**

DEVELOPMENT ACTIVITIES AND PROGRAMMES DATABASE

----- continue of -----

A detailed analysis and specification of requirements will perhaps give the chance to reduce the number of data sources as listed above.

For proper service of it's major function this System is to be based on a database software with a good retrieval feature with an extensive query function. Thus you may ask for:

"WHAT IS GOING ON -

- WHILE Period given by two Dates
- AT Country /-group / Region / Programme
- BY Person /-group / Government / Institution etc.
- RELATED TO Industry /-group / Programmecomponent
- FOR USE OF Fund / Subfund / Financial Source"

System will answer with a list of Activities sorted by first arguments of the question and formatted also as relevant to the question.

A system like this may get created in 3 major steps:

- a) Create data-base and Query-System with a link from all systems with given data collected at UNIDO and test and develop the system until satisfying maturity.
- b) Create data-entry programmes for collection of more data given at UNIDO but not yet held formatted on data-loggers.
- c) Look up whether there are more data given at other Institutions in revolving actuality and on data loggers and create computer programmes for link into the data base given from step a).

For further information of:

PERSONNEL EXPERT INFORMATION SYSTEMsee page 14

contact:

Ms. Smit or Ms. Bon Said (ADM/PERS)

Ms. Shank (EDP Section)

and of:

PROJECT INFORMATION RETRIEVAL SYSTEM (UMA).....see page 20

contact:

Mrs. G. Rohn (IO/CRU)

Mr. O.-M. Stefanov (EDP Section)

and of:

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
5) NEW SYSTEMS NOT SERVED WITH COLLECTED DATA**

DEVELOPMENT ACTIVITIES AND PROGRAMMES DATABASE
----- continue of -----

TECHNICAL COOPERATION BUDGET SYSTEM (UKK).....see page 22

contact:

Mrs. G. Rohn (IO/CRU)

Mr. Kunnen (FMS/FS)

Mr. C.-M. Stefanov (EDP Section)

and of:

INVESTMENT PROMOTION INFO. SYSTEM 'INPRIS' (UK4).see page 35

contact

Mr. Amato-Gauci (IO/COOP) D-1081 x4868/4818

Mr. H. Stuttner (AMS/EDP) E-08 x3576

and of:

and of:

TECHNOLOGICAL INFORMATION EXCHANGE SYSTEM (UQE)..see page 26

contact:

Ms. Cramwinkel (IS/Development and Transfer of Technology Branch)

Mr. Stuttner (EDP Section)

and of:

INVESTMENT MEETING SCHEDULE PROGRAM (ULD).....see page 47

contact

Mr. Khouadja (IO/Co-operative Programme Branch)

Mr. Gillcrist AMS/EDP E-0904 x3560

and of:

COUNTRY PROGRAMME MANAGEMENT PLAN, UNDP.....see page 53

contact

Mrs. Hartl UNIDO-Registry D-1669 x4785

and of:

OPERATIONAL SUMMARY of BANK and IDA.....see page 56

contact

Dir.M.Islam IO/COOP D-1035 x5015

and of:

FIELD REPORTS from SIDFA'S and JPO'Ssee page 55

contact

Mrs. Sperling PC/FRMS D-1635 x4730

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
5) NEW SYSTEMS NOT SERVED WITH COLLECTED DATA

To cover the requirements of

A) ECONOMIC INDICATORS OF COUNTRIES

===== see page 65

INDUSTRIAL DEVELOPMENT REVIEW SERIES

----- see page 59

will get prepared by IS/REG during the next two years. But there will be revolving edition just in an interval of 2 or 4 years and a lot of major figures will change during this interval.

The requirement of an actual

COUNTRY INDICATORS TABLE

----- see page 59

is very common, I suppose. It should revolve in an interval of 3 or 6 month. It's structure may be related to the structure of the Review Series just giving a table of major indicators as they are part of verbal description in the Country Review itself.

The data need to be collected by new Programmes to a new data filing at mainframe computer for common use.

Just a few most important figures may get retrieved from

UNIDO STATISTICAL DATA BASE (UQD) see page 27

maintained by IS/SSU.

Further the Indicators-Table may get improved by the

PREPARATION of GDP and MVA DATA see page 58

This preparation is just going on and is not yet included into studies, reports or data bases. A relevant system or data base should include these data.

@2

For further information of:

INDUSTRIAL DEVELOPMENT REVIEW SERIES see page 59

contact:

Mr. Roepsdorf IS/REG D2036 x3676
 or IS/REG at D2043 x3679 or 4323

and of:

UNIDO STATISTICAL DATA BASE (UQD) see page 27

contact:

Mr. Hernan Marim-Guzman (IS/SSU) D-2050 x3562

and of:

PREPARATION of GDP and MVA-DATA..... see page 58

contact:

Mr. Margreiter IS/GLO D-2111 x3398/3374

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
CENTRAL PRINTFORM of COUNTRY BRIEF**

CENTRAL PRINTFORM of COUNTRY BRIEF
=====

was required same as it is given for INDUSTRIAL INVESTMENT PROFILE which is prepared as a service of the IO / Investment Co-operative Programme Branch, Mr. E. Becker-Boost, D-1014, x4812.

It is very desirable to collect data given by various computer-lists into a Central Framework Form because:

- a fixed format enables faster perception;
- information from non computerized sources may be included;
- layout of computer printouts may be kept simple and therefore less expensive.
- computer printouts from various sources as proposed in chapters 1) and 2) and the output from the Development Activities and Programme Data Base could be combined into one form which makes easy to find and to comprehend desired information.
- Graphs may get included into the central form and graphs enable faster perception of numeric information as numbers or figures does.

For outline of the Printform a lot of detailed information about desired layout and expected contents is needed. This information best is handed over to a type-setter, compositor or computer specialist by a manually prepared example, on which analysis and questions for professional specification can be based.

The recommendable, economical production of required Country Brief is:

Typewriting into the printed form and taking copies for

duplications.

For the following versions a computer specialist should be involved before the draft of type-setter gets printed:

If just
Storage and Tabulation to columns and lines are required:

The use of given Micro-computer is recommendable for data-entry, printoutput into printed or not printed forms and for transformation of figures to simple graphs. This version will not include any automatic link of data from given data-sets to this form. Approval of type-setters brush-proof and programme-creation and -test may get done by just a BASIC- or PASCAL-Programmer. Software Consultancies (as H.I.AUX Betriebsinformatik) offer this service to be performed by Junior Programmers.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
CENTRAL PRINTFORM of COUNTRY BRIEF**

If

Automatic Link of Data from individual datasets from Mainframe-

computer-center to a printed form is desired, but graphs are not
needed, implementation is recommendable by following components:

Hardware: A terminal-printer (lokal printer) as ITT-Centronics
with a single page injection for printed forms, or
equivalent installed besides a video-display-terminal,
and both connected to the I.A.E.A Computer Center with
it's own Terminal- and Destination-IDs.

Software: Applikation-Programmes based PL/i and CICS at the I.A.E.A
Computer Center.

Manually data-collection will be done by video-display-terminal as
given at CU/IDDA, and the forms get printed via lokal printer, when
a PF-Key on keyboard of video-display-terminal got pressed.

The applikation-programmes could be implemented by a Software
Consultancy (as H.LAUX Betriebsinformatik), which also can
support hardware-decisions.

**REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
CENTRAL PRINTFORM of COUNTRY BRIEF**

If

Graphs and Automatic Link from Mainframe Systems is required:

It is necessary to establish automatic link between Micro-Printprogrammes and individual datasets at I.A.E.A. Computer-Center. This will be recommendable when the following conditions will be met:

- source data given on standardized reference data-sets.
- a common computer procedure which will link on-line standard-record-datasets from computer-center to desired Micro-Stations.
- sufficient online-connection and -controller capacity, as retrieval of data-batches to Micro-Printers or floppy-disks will burden this components.

The following preparations will meet these conditions by hardware- and software-components:

- a) A Controller IBM 3274 or equivalent of ITT or WANG for connection of Micro-Computers with printers or floppy-disks and terminal-printers as ITT-Centronics or equivalents, which should not serve video-display-terminals same time.
- b) Interface and modem adopted to Micro-Computers for connection to terminal-controller as a).
- c) Standards of Standard-Record-Datasets, drafted by a Systems-Analyst in communication with all expected users.
- d) System-Software making available to read standard-record-datasets of Mainframe- from Micro-computers, besides emulating 3270-Terminals on the Micros.

On this basis, besides other Systems, the Central-Country-Brief may get realized by applikation programmes.

Software-components c), d) and the individual applikation-programmes could be implemented by a Software Consultancy (as H.LAUX Betriebsinformatik). The implementation of component d) would be carried by one or two System-Programmers specialized for operating-systems of both hardware-suppliers. They should be subcontracted by the ordered Consultancy.

REVIEW and RECOMMENDATIONS about COMPUTER SYSTEMS
REQUIRED by CO-ORDINATION UNIT for I.D.D.A.
RECOMMENDATIONS
7) FINAL STATEMENTS

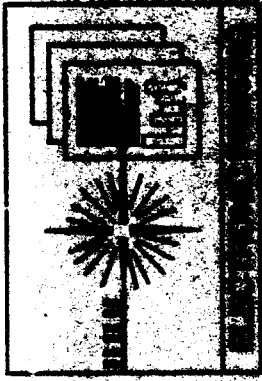
7) FINAL STATEMENTS

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The picture of review was much more manifold and extensive as expected and the documentation of it in this short mission could not get as detailed as desirable.

My main recommendations are:

- Realise step 1) and 2) without any delay.
- Do not postpone decision to share with IDDA's requirements in new systems as already outlined.
- Realise step 3) when it's the best time because costs are low and decision is simple as unconditioned.
- Make up a good decision about steps 4) and 5) regarding your financial abilities because just detailed specification of system-drafts takes a lot of time.
- First decision about step 5) should apply to the 4 options of Central-Country-Brief, as it is related to all other components and may change the basic habits how to use computers at UNIDO.
- Pay attention to the fact that all computer programmes, written for one African country, are usable for all other countries, for the same purpose and in same manner.
- Pay attention to the facts of data-integration and -security. All information requirements of IDDA may get requirements of other country related management. Data-integration and -security for link and common use of datasets from Mirco-Computers are not yet given in satisfying manner.
- Co-ordination requires much more information as the average of all other management functions. For just one systemsanalyst the implementation of really satisfying systems will last longer than until the end of Decade in 1990. If there isn't recruitable a 2- or 3-headed Softwareteam from employed UNIDO Computer Staff, the service of a software consultancy (as H.LAUX Betrierbsinformatik, Wien, Tel.: 755182 or 8434854) is to be recommended for realisation of the steps 3), 4) and 5) until the middle of 1987.
- Even if satisfying information systems from 1987 until the end of Decade will not improve the Decade's success very much, they will give a lot of information about the conditions of Decade's success and will be a monitoring tool for all country related co-ordination management.



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CENTRAL COMPUTER PRINT-OUTPUT-DISTRIBUTION

Only all available printed outputs (plot, xerox, lineprinter) produced by the computer, read P0076, are distributed during prime time. The outputs are sent into the relevant pigeon holes installed in the printer. In case of special need to be requested via OPCD in P0076.

The output is stored on a disk within the XEROX-PRINTER introduces the output during the time output vanishes from the printer. The time of printing and the time that the output actually starts are the start/end time that the job is printed. The actual time of printing.

Please see the above consideration in mind before making any request regarding about printout that has not yet appeared.

See operations/group x2020 or x2027

