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MALI TRIP REPORT

February 28-March 11, 1992

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Project

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John Snow, Inc.

ACRONYMS

| | |
|---------------|--|
| AID | Agency for International Development |
| AIDS | Acquired Immune Deficiency Syndrome |
| AMPPF | Association Maliène pour la Protection et Promotion de la Famille |
| CAP | Couple Anées de Protection |
| CPTs | Contraceptive Procurement Tables |
| CY | Contraceptive Year |
| CYP | Couple Years of Protection |
| DSF | Division of Family Health |
| FHI | Family Health International |
| FPLM | Family Planning Logistics Management Project |
| IFAHS | USAID Funded Biliateral Health and Population Project |
| LMIS | Logistic s Managemnt Information System |
| MSSPA | Ministry of Health and Social Affairs |
| NA | Not Applicable |
| NGO | Non-Govermental Organizations |
| SOMARC | The family Planning Social Marketing Project |
| STS | Situation Trimestrielle de Stock |
| USAID | United States Agency for International Development |

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APPENDIX A - PERSONS CONTACTED

APPENDIX B - CONTRACEPTIVE PROCURMENT TABLES

I. INTRODUCTION

In February and March, the Family Planning Logistics Management Project (FPLM) visited Mali for two reasons:

- 1) **To observe a training course in logistics management for the "Cercle" level, in Kayes region, and provide technical support to the regional and central level training team; and**
- 2) **To complete Mali's 1992 Contraceptive Procurement Tables (CPTs).**

FPLM consultants attended the Kayes workshop and worked with the central-level training team, of the Division of Family Health (DSF), Ministry of Health and Social Affairs (MSSPA) and the bilateral health and population IFAHS Project, to identify immediate and long-term modifications for the logistics management training courses. With input from the DSF and other local organizations, final estimates of contraceptive needs were prepared for 1992 - 1994, and a proposed shipping schedule was provided to USAID/Bamako.

Essential to the accomplishments of this visit to Mali were staff of the IFAHS Project, DSF, MSSPA, and USAID. We wish to acknowledge, in particular, the contributions of Mme. Hawa Traoré, IFAHS Training Advisor; Mme. Aminata Touré, DSF Training Specialist; Dr. Nlandu Mangani, Chief of Party, IFAHS Project; Mme. Khadidia Bocoum of the DSF Management Office; Dr. Oumou Fofanah, National AIDS Program; M. David Maguire and M. Mamadou Moussa Traore, SOMARC Project; M. Adama Tounkara, AMPPF; Dr. Nafu Taouré, Director of the CHIPS Project; and M. Neil Woodruff, Health and Population Officer, USAID/Bamako.

II. RECOMMENDATIONS

FPLM proposes the following recommendations to the MSSPA/DSF, IFAHS and USAID/Bamako:

Training

1. The current curriculum should be revised to more effectively address the training needs of cercle level staff. Revisions should include:
 - a) the development of an "aide memoire," or guidelines for health staff at all levels (central, regional, cercle and arrondissement) which outlines how the logistics system in Mali works. The guidelines should elaborate on what is already in the curriculum, covering the main steps required at each level for distributing contraceptives and reporting logistics data.
 - b) an updated version of the storage session, including guidelines for proper storage and information of the basic elements of quality assurance for contraceptive storage.
 - c) in the session on inventory control, discussion regarding interim use of issues data at the cercle-level in the event that the health centers in a given cercle have not been trained yet in logistics management and are therefore not yet able to provide consumption data to the cercle.
 - d) a modified version of the section on CYP which would address the different needs of participants (e.g., physicians and pharmacists versus nurses and nurse-midwives and storekeepers) to know the details of how to use CYPs for management purposes.
 - e) a brief exercise at the end of the course which would allow cercle teams to develop a simple plan for the first actions they will undertake in the next 2-4 weeks to ensure implementation of proper management of contraceptive supplies for their cercle.
 - f) other changes as determined by DSF and FPLM.
2. After the DSF finishes training cercle-level staff in logistics management, a follow-up of the training should be conducted. The purpose of the evaluation will be to assess the extent to which training participants have put into practice the logistics system covered in the cercle level training.
3. A plan needs to be developed for conducting training at the arrondissement level. Decisions need to be made regarding:
 - a) who will conduct the training courses in each region and who will provide technical support to the trainers;
 - b) when will the courses be held;
 - c) what changes need to be made in the curriculum to best meet the logistics management training needs of health staff at the arrondissement level.

Logistics System

1. An essential element of the system that has yet to be developed is a standard document describing the operation of the system works, procedures to be followed by each level. The aide memoire recommended above, under "Training" could fulfill this need. The standard guidelines should be developed by the central level trainer in collaboration with other key staff at the DSF and MSSPA, and with assistance from FPLM as needed.
2. The most efficient order of sequence for automation of the LMIS is following the successful implementation of a manual LMIS. Automation should not require any revision of the manual system, but will allow for more efficient management of data at the central level. This will not be an issue for the DSF until early 1994 at the earliest, after all levels have completed training in logistics management, and the manual LMIS is fully operational.
3. For clinics where there is more than one source of supply (DSF, AMPPF), personnel should indicate first on the stock card and then on the STS the source.
4. The utility of the dual supply system in the regions should be assessed on a region by region basis, as recommended in the August, 1990 FPLM trip report.
5. The DSF central warehouse should remove medical equipment and paper supplies which are currently occupying space in the warehouse, to allow adequate storage space for contraceptives.
6. Contraceptive logistics management should be incorporated into the existing MSSPA supervision system.

Contraceptive Procurement Tables

1. Forecasting assistance should be provided to the National AIDS Program, including a long-term projection of condom needs.
2. Sales of condoms by the social marketing program should be monitored closely, and future shipments adjusted as necessary.

FPLM Assistance

FPLM assistance may be requested for any of the above activities. We propose a visit in December 1992 for collaboration with the family planning and AIDS prevention programs on the following tasks:

1. conduct an evaluation of logistics management training provided at the cercle level, and assess training needs at the arrondissement level;
2. plan for training at the arrondissement level, including revision of the training curriculum;

- 3. develop a plan for institutionalizing logistics management training within the MSSPA; and**
- 4. complete the 1993 Contraceptive Procurement Tables.**

III. BACKGROUND

In August, 1990, the DSF sponsored a training workshop in contraceptive logistics management for regional divisionnaires and pharmacists, and representatives of AMPPF, the diarrheal disease team, and the National AIDS Program. The workshop introduced participants to the DSF logistics management information system (LMIS), provided training in record keeping and reporting procedures, and calculation of order quantities using a version of the Maximum-Minimum Inventory Control System. The FPLM Project provided technical assistance to the training.

In October, 1990, DSF and IFAHS trainers conducted a similar workshop for the regional nurses. In September, 1991, DSF and IFAHS staff and FPLM advisors conducted a follow-up evaluation of the training, and made recommendations for improvements in the training and use of the system. Reports of the workshop and the follow up visit are available from the FPLM Project in Arlington, Virginia, USA.

One of the recommendations from the follow up evaluation was that FPLM advisors observe one of the training workshops planned for cercle level staff in contraceptive logistics management. This most recent trip was subsequently requested by the DSF and USAID/Bamako for that purpose and for preparation of the 1992 contraceptive procurement tables and a draft order for contraceptives.

IV. ACTIVITIES AND FINDINGS

One purpose of the visit was to observe and assist with the implementation of a logistics management workshop for "cercle" level health personnel in one region. The FPLM consultants attended the last three days of a six-day training course in Kayes, of Kayes region, and the first day of another six-day training course in Bamako, for the District of Bamako.

In order to fulfill the second purpose of the trip -- to finalize the national CPTs -- the team met with representatives of the following organizations:

DSF (*central office*)
AMPPF (*central office*)
Social Marketing Project (*The Futures Group and AED*)
National AIDS Program
USAID

Additionally, we worked with the DSF to strengthen the aggregation and analysis of data from the field, and we met with representatives of the MSSPA to discuss the status of Mali's logistics system. A list of persons contacted during the visit is attached to this report as Appendix A.

Our findings from the above activities are discussed below in three sections: training, the logistics system, and CPTs.

A. TRAINING

The DSF, with assistance from the IFAHS Project, is currently providing logistics management training to service delivery staff at the cercle level. Three of eight regions have received training, and the remainder will be trained by the end of 1992.

Accomplishments

1. Central-level staff of the DSF and IFAHS Project have provided essential technical support to regional trainers in conducting logistics management training to cercle-level teams of service providers -- including doctors, pharmacists, nurses, nurse-midwives and storekeepers. Central staff guidance helps to ensure consistency in the quality of the training provided across regions.
2. At the two workshops which we observed, in Kayes and Bamako, the regional level trainers demonstrated commitment and increased competence in their role as logistics management trainers. The workshops were well organized and well attended. The trainers succeeded in establishing a working environment during the training courses which encouraged the participants to participate actively in discussions and group exercises. At the conclusion of the Kayes training, it was evident that the service delivery teams understood, for the most part, the principles and procedures of how

to manage contraceptive supplies -- including how to determine and maintain appropriate stock levels, how to store contraceptives properly, and how to record and report information about supply distribution, inventory and needs.

3. We found that the curriculum used by the regional trainers for the cercle level training is adequate, for the most part. It covers the important topics in logistics management in ways which were understandable for the majority of participants. However, we also found aspects which could be modified to improve the curriculum's effectiveness for cercle-level staff.

Areas for improvement

Examples of sections in the curriculum which need to be adjusted include the following:

1. For the sessions on data collection, reporting and use of logistics data for management --

The curriculum lacks a document (aide memoire) for participants which outlines how Mali's logistics system functions, at each level. Such a document could help to clarify questions about the system and to ensure standardization of procedures as it is implemented at each level.

2. Storage --

It should include updated guidelines for proper storage and material on essential aspects of quality assurance. Additionally, the diagrams used to depict a contraceptive storage warehouse and cupboard could more clearly differentiate, by adding dates on boxes and by distinguishing location of the supplies, the safety stock from the working stock.

3. Maximum-minimum inventory control --

The curriculum correctly states that consumption data from the health centers should be used to calculate maximum and minimum levels of stock and to determine contraceptive needs. However, until personnel are trained at all health centers, their consumption data may not be available to the cercle level staff. An interim measure should be provided for use until dispensed-to-user data becomes available.

4. Use of data for management of contraceptives --

Because a number of participants had trouble grasping the main points of the session on calculating couple years of protection ("Couples Annees de Protection (CAPs)), a considerable amount of time was used for this session, which left less time for other activities. Selected members (i.e., nurses and midwives) of a cercle-level team (which also includes doctors and pharmacists) may benefit from a more brief presentation of this topic.

5. Supervision and problem-solving --

The curriculum should provide an opportunity for participants to identify major activities that, upon completion of their logistics training, they will undertake to ensure improved or proper management of contraceptive supplies.

These and other recommendations which were discussed with the central level trainers were summarized in a letter to them prior to the consultants' departure from Mali.

Future Training

DSF anticipates conducting arrondissement-level training in 1993, though specific planning has not yet been done for this training. Decisions which should be made include:

- * Who will train the arrondissement-level staff? The trainers should be experienced not only in logistics management training but also in training techniques.
- * Who will provide technical support to the trainers? It will be important to continue ensuring continuity in quality of the logistics management training across regions.
- * When will the trainings take place?
- * What adjustments, if any, will need to be made in the training curriculum to make it more effective for the arrondissement-level? The cercle-level curriculum should be carefully considered in terms of its appropriateness to arrondissement-level training needs.

B. LOGISTICS SYSTEM

Overall Status

Significant strides have been made in the establishment of a sound logistics system at the central and regional levels. The inventory control system (Maximum-Minimum) and the logistics management information system (LMIS) have expanded to the regional level. For all of 1991, there was 85% complete reporting from the regional directorates to the central level. Expansion to date has depended entirely on training workshops conducted for the regional personnel, and for each of the two remaining levels, it is expected that implementation of these systems will continue to depend on training.

As mentioned above under "Areas for Improvement" in training, an essential element of the system that has yet to be developed is a standard document describing the operation of the system works, procedures to be followed by each level.

The DSF is currently in the process of establishing a nationwide manual LMIS, which requires training as well as supervision and support to personnel. Once the manual system is in place and operational, the automation of the reporting system should be considered. Since training of the fourth tier of the pipeline is anticipated for 1993, we expect that installation of logistics management software would not occur prior to 1994.

Coordination between DSF and AMPPF

Coordination in contraceptive supply between the DSF and AMPPF has improved in some regions (Sikasso, Kayes, Koulikoro) but there is still the problem of incorporating the two sources of supply into the reporting system. Certain regions report the total from both sources on the same quarterly report/Situation Trimestrielle de Stock (STS) without specifying the sources. This leads to incorrect totals at the central level, and possibly incorrect issue quantities. One solution would be for the regional level to complete one STS form, and to divide the receipts box in half, the upper part showing receipts from DSF indicating a "D", and the lower half showing receipts from AMPPF, with an "A". If the Direction Regionale receives AMPPF supplies from the regional AMPPF, the same system would be used, with an "AR" for AMPPF Regionale in the appropriate spaces on the STS.

Such a system somewhat complicates the reporting; however, a logistics system with multiple sources of supply of identical products is not advisable over the long run. The suggested system appears to be useful to the Regional Directorates for the present, and the recommended reporting procedure would account for the commodities distributed.

The utility of a dual supply system should be assessed on a region by region basis, as recommended in the August, 1990 FPLM trip report.

Central Level Storage

Over two-thirds of central DSF warehouse space is being used for non-contraceptive products; space is not adequate for a 6 month supply, and the

recommended DSF maximum level is 7 months. Quantities issued from the warehouse have increased markedly since 1988; however, warehouse space available for contraceptives has decreased during that time period. Only one of the two air conditioners was working at the time of this visit.

We recommend removing medical equipment and paper supplies occupying the warehouse. The DSF is exploring possibilities for expanding the current storage facility. Plans should take into account future space requirements for contraceptive products.

Data management needs at DSF

Three of the regions have provided training to the cercle level on the use of the reporting and inventory control systems (Sikasso, Kayes, Bamako). Koulikoro also conducted a training last year, but plans to repeat it this year. There are approximately 56 cercles in Mali, and assuming 80% reporting, there will be at least 180 STS from the cercles to analyze, aggregate, and file at the DSF each year. The organization and management of these data for ordering, stock monitoring, and forecasting purposes will require increasing effort at the central level. This number, 180, represents an increase from 27 reports received in 1991, and can be expected to increase at least threefold when the centres de sante at the arrondissement level are incorporated into the national logistics system.

The DSF may wish to begin to consider the following possibilities for improved data management, which will be required beginning in late 1992, and into 1994:

1. Logistical support in the Management Office: marking boards, additional file cabinets, personal computer for the logistics manager.
2. Additional staff for filling orders, data entry, filing (one assistant). Existing staff (one person) should be available for supervision, management of the system.
3. Computerized system for contraceptive reporting. First, the manual system must be completely operational.

C. CONTRACEPTIVE PROCUREMENT TABLES

Contraceptive procurement tables (CPTs) were prepared for the four programs receiving contraceptive products from A.I.D.: DSF, AMPPF, SOMARC, National AIDS Program. A small community-based distribution project receives commodities through SOMARC, and several NGOs are provided small quantities of contraceptives from DSF and AMPPF. In all, seventeen tables were completed (see Appendix B).

SOMARC expects to launch its condom in the next month, and estimates of sales for 1992 were projected to be 101,000 for the remainder of 1992. The project hopes to begin sales of Norquest by the end of the year, but has not yet received approval from the Government of Mali to do so. Flower foaming tablets are distributed only through the rural community-based distribution project. Once sales begin, sales data should be monitored closely in order to make adjustments in shipment dates that might be needed in adequate time to prevent shortages and oversupply.

For the DSF, available data from quarterly reports on issues from the regions were used to estimate current consumption. Estimated consumption is increasing at a steady pace, especially for condoms, Lofemenal, and Ovrette. Percentage increases appear quite high for these products (e.g., 25% for condoms, 42% for Lofemenal); however, these estimates are based on issues data (from the regions) which may fluctuate considerably as the inventory control system becomes established.

Consumption reported by the AMPPF clinic shows very little increase, and shows decreases for Lofemenal and Copper T. Distribution to the regions by AMPPF is expected to level off as the DSF system improves.

For the National AIDS Program, estimates were based on distribution to the Family Health International (FHI) supported AIDS prevention project for prostitutes, to fewer bars than currently receive free condoms from the AIDS Program, and to the general public on Saturdays at the Program office. USAID/Bamako is encouraging the social marketing project to assume distribution to bars that sell condoms to customers. Distribution to hotels has not been continued by the Program. Currently, the FHI Project Coordinator is collecting and compiling data on a regular basis on condom consumption at the brothels and bars. Quantities distributed during the Saturday program are recorded but are not aggregated. For this program, individuals are given a minimum of 30 condoms, and persons representing organizations are provided a box of 100 condoms. Currently, we estimated the Program is dispensing 3000 condoms per week, or 156,000 per year, through its Saturday distribution program. Distribution to other recipients during 1991 and 1992 has not been recorded and is not recalled by the current program staff. Stock records do not exist. We counted 181,200 condoms in the National AIDS Program storeroom.

AIDS program staff have attended training in logistics management and have been advised by FPLM to use stock cards for basic record keeping in the storeroom. Again, we strongly recommended the use of stock cards for day to day management of condom stocks. Secondly, we recommend that FPLM provide additional forecasting assistance to the AIDS program, including a long term forecast of condom needs.

PERSONS CONTACTED

PERSONS CONTACTED

L'AMPFE

M. Tounkara, Responsable de l'approvisionnement

MINISTERE DE LA SANTE - DIVISION DE LA SANTE FAMILIALE

Dr. Susanne Maïga Bocoum, Director

Mme. Khadidia Bocoum, Management Section

Dr. Madina Sangare, Acting Director and Chief of Clinical Services

Dr. Fanta Traoré, Chief DSF Bamako

PROGRAMME NATIONAL DE LUTTE CONTRE LE SIDA

Dr. Oumou Fofanah, Logistics Manager

PROJET IFAHS

Dr. Nlandu Mangani, Chef of Party

Mme. Hawa Traoré, Training advisor

SOMARC

M. David Maguire, Long-term Advisor

M. Mamadou Moussa Traoré

USAID

Mr. Dennis Brennan, Mission Director

Mr. Neil Woodruff, Health, Population & Nutrition officer

MINISTERE DE LA SANTE PUBLIQUE DE L'ACTION SOCIALE ET DE LA PROMOTION FEMININE

Dr. Traoré F. Nafo, Technical Coordinator

M. Traoré Oumar, Health Education Coordinator

**CONTRACEPTIVE PROCUREMENT TABLES
(CPTS)**

Country: Mali
 Recipient: Pharmacie Populaire Du Mali
 Product: 52mm Non Colored Blue/Gold
 Prepared by: E. Levin, D. Maguire, MM.Traore
 Modified by: E. Levin, D. Maguire, MM.Traore

Date: 08/20/92
 Time: 18:08
 Prepared on: 03/09/92
 Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| 1. Beginning Stock | 0.0 | 0.0 | 329.7 | 697.2 | 515.8 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | | | 101.0 | 155.0 | 178.3 |
| (b) Transfer/Loss/ Disposal | | | 17.5 | 26.4 | 29.0 |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | | 329.7 | | NA | NA |
| (b) Future AID Shipments | NA | | 486.0 | | NA |
| (c) Shipments from Other Sources | | | | | NA |
| . End of Yr Stock | 0.0 | 329.7 | 697.2 | 515.8 | NA |
| . Desired End of Year Stock | NA | NA | 181.4 | 207.3 | NA |
| . Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | | | NA |
| (b) Surplus | NA | NA | 516.0 | 306.0 | NA |
| . Amount to Schedule | NA | NA | | | NA |

992 Minimum stock (months): 6 Maximum stock (months): 12
 993 Minimum stock (months): 6 Maximum stock (months): 12
 lead time (months): 2

15

Country: Mali
Recipient: Pharmacie Populaire Du Mali
Product: 52mm Non Colored Blue/Gold
Prepared by: E. Levin, D. Maguire, MM.Traore
Modified by: E. Levin, D. Maguire, MM.Traore

Date: 08/20/92
Time: 18:08
Prepared on: 03/09/92
Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate
Footnotes

1. BEGINNING STOCK Year: 1990

Stocks based on SOMARC records.

2a. ESTIMATED USE Year: 1994

Use based on 156 outlets and distributors selling 72 condoms/month.

2b. ESTIMATED LOSS Year: 1994

Transfers to CBD program. Estimate 36/mo. per village @ 54 villages.

Country: Mali
 Recipient: Pharmacie Populaire Du Mali
 Product: Norquest, CSM
 Prepared by: E.Levin,D.Maguire,MM Traore
 Modified by: E.Levin,D.Maguire,MM Traore

Date: 08/20/92
 Time: 18:08
 Prepared on: 03/09/92
 Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| 1. Beginning Stock | 0.0 | 0.0 | 0.0 | 17.2 | 20.8 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | | | 2.0 | 18.0 | 24.0 |
| (b) Transfer/Loss/ Disposal | | | | | |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | | | | NA | NA |
| (b) Future AID Shipments | NA | | 19.2 | 21.6 | NA |
| (c) Shipments from Other Sources | | | | | NA |
| 4. End of Yr Stock | 0.0 | 0.0 | 17.2 | 20.8 | NA |
| 5. Desired End of Year Stock | NA | NA | 10.5 | 14.0 | NA |
| 6. Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | | | NA |
| (b) Surplus | NA | NA | 7.2 | 7.2 | NA |
| 7. Amount to Schedule | NA | NA | | | NA |

1992 Minimum stock (months): 4 Maximum stock (months): 7
 1993 Minimum stock (months): 4 Maximum stock (months): 7
 Lead time (months): 2



Country: Mali
Recipient: Pharmacie Populaire Du Mali
Product: Norquest, CSM
Prepared by: E.Levin,D.Maguire,MM Traore
Modified by: E.Levin,D.Maguire,MM Traore

Date: 08/20/92
Time: 18:08
Prepared on: 03/09/92
Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate
Footnotes

2a. ESTIMATED USE

Year: 1994

No marketing plan yet for Norquest, but SOMARC hopes to introduce in November.

B

Country: Mali

Date: 08/20/92

Recipient: Pharmacie Populaire Du Mali

Product: Flower Foaming Tablet

Time: 18:08

Prepared by: Momodu Musa Traore, D. Maguire, E.Levin

Prepared on: 03/07/92

Modified by: Momodu Musa Traore, D. Maguire, E.Levin

Modified on: 03/07/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| 1. Beginning Stock | 0.0 | 0.0 | 105.6 | 148.2 | 78.2 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | | | | | |
| (b) Transfer/Loss/ Disposal | | | 48.6 | 70.0 | 75.0 |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | | 105.6 | | NA | NA |
| (b) Future AID Shipments | NA | | 91.2 | | NA |
| (c) Shipments from Other Sources | | | | | NA |
| 4. End of Yr Stock | 0.0 | 105.6 | 148.2 | 78.2 | NA |
| 5. Desired End of Year Stock | NA | NA | 70.0 | 75.0 | NA |
| 6. Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | | | NA |
| (b) Surplus | NA | NA | 76.8 | 4.8 | NA |
| 7. Amount to Schedule | NA | NA | | | NA |

1992 Minimum stock (months): 4 Maximum stock (months): 7
 1993 Minimum stock (months): 4 Maximum stock (months): 7
 Lead time (months): 2

19

Country: Mali
Recipient: Pharmacie Populaire Du Mali
Product: Flower Foaming Tablet
Prepared by: Momodu Musa Traore, D. Maguire, E. Levin
Modified by: Momodu Musa Traore, D. Maguire, E. Levin

Date: 08/20/92
Time: 18:08
Prepared on: 03/07/92
Modified on: 03/07/92

CY1992 Contraceptive Requirements Estimate
Footnotes

1. BEGINNING STOCK Year: 1990

based on shipments received to date

2a. ESTIMATED USE Year: 1994

Use based on Population Council/CBD projections

2b. ESTIMATED LOSS Year: 1994

Transfers to CBD program.

20

Country: Mali
 Recipient: AMPPF
 Product: 52mm Non Colored, No Logo
 Prepared by: E.Levin
 Modified by: Levin/Chovitz

Date: 08/20/92
 Time: 18:08
 Prepared on: 03/09/92
 Modified on: 04/03/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| 1. Beginning Stock | 164.5 | 111.6 | 367.2 | 401.2 | 333.2 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | 40.0 | 105.0 | 120.0 | 126.0 | 126.0 |
| (b) Transfer/Loss/ Disposal | 174.9 | 209.2 | 220.0 | 230.0 | 230.0 |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | 12.0 | 330.0 | | NA | NA |
| (b) Future AID Shipments | NA | 90.0 | 270.0 | | NA |
| (c) Shipments from Other Sources | 150.0 | 149.8 | 104.0 | | NA |
| 4. End of Yr Stock | 111.6 | 367.2 | 401.2 | 45.2 | NA |
| 5. Desired End of Year Stock | NA | NA | 335.0 | 335.0 | NA |
| 6. Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | | 288.0 | NA |
| (b) Surplus | NA | NA | 66.0 | | NA |
| 7. Amount to Schedule | NA | NA | | 288.0 | NA |

1992 Minimum stock (months): 4 Maximum stock (months): 10
 1993 Minimum stock (months): 4 Maximum stock (months): 10
 Lead time (months): 2

21

Country: Mali
Recipient: AMPPF
Product: 52mm Non Colored, No Logo
Prepared by: E. Levin
Modified by: Levin/Chovitz

Date: 08/20/92
Time: 18:08
Prepared on: 03/09/92
Modified on: 04/03/92

CY1992 Contraceptive Requirements Estimate
Footnotes

- 1. BEGINNING STOCK Year: 1990
10/1/91 central stocks = 228200.
AMPPF stock records. Balance assumed to be in regional storage facilities.

- 2a. ESTIMATED USE Year: 1994
use based on issues to AMPPF clinic.

- 2b. ESTIMATED LOSS Year: 1990
Transfer from DSF of 23k units minus transfers to regions, NGOs, private MDs.

- 2b. ESTIMATED LOSS Year: 1994
Transfers to regions, NGOs, private MDs.

22

Country: Mali
 Recipient: AMPPF
 Product: Copper T, 380
 Prepared by: E.Levin
 Modified by: E.Levin

Date: 08/20/92

Time: 18:08
 Prepared on: 03/09/92
 Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| 1. Beginning Stock | 4.4 | 0.9 | 2.6 | 2.6 | 1.6 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | 0.6 | 0.2 | 0.5 | 0.5 | 0.7 |
| (b) Transfer/Loss/ Disposal | 3.4 | 0.1 | 0.5 | 0.5 | 0.2 |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | | 2.0 | | NA | NA |
| (b) Future AID Shipments | NA | | 1.0 | | NA |
| (c) Shipments from Other Sources | 0.5 | | | | NA |
| 4. End of Yr Stock | 0.9 | 2.6 | 2.6 | 1.6 | NA |
| 5. Desired End of Year Stock | NA | NA | 0.9 | 0.8 | NA |
| 6. Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | | | NA |
| (b) Surplus | NA | NA | 1.8 | 0.8 | NA |
| 7. Amount to Schedule | NA | NA | | | NA |

992 Minimum stock (months): 4 Maximum stock (months): 10
 993 Minimum stock (months): 4 Maximum stock (months): 10
 Lead time (months): 2

Country: Mali
Recipient: AMPPF
Product: Copper T, 380
Prepared by: E.Levin
Modified by: E.Levin

Date: 08/20/92
Time: 18:08
Prepared on: 03/09/92
Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate
Footnotes

1. BEGINNING STOCK Year: 1990

AMPPF stocks were 800 in central stores on 10/1/91.

2a. ESTIMATED USE Year: 1994

Use based on issues to AMPPF clinic.

2b. ESTIMATED LOSS Year: 1994

Transfers to regions, pvt MDs, NGOs

21

Country: Mali
 Recipient: AMPPF
 Product: Lo-Femenal, Blue Lady
 Prepared by: E. Levin
 Modified by: Chovitz

Date: 08/20/92

Time: 18:08
 Prepared on: 03/09/92
 Modified on: 04/06/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| 1. Beginning Stock | 1.4 | 12.9 | 32.6 | 54.4 | 28.0 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | 24.0 | 11.0 | 20.0 | 20.0 | 22.0 |
| (b) Transfer/Loss/ Disposal | 4.1 | 11.3 | 11.0 | 10.0 | 10.0 |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | 39.6 | 42.0 | 12.0 | NA | NA |
| (b) Future AID Shipments | NA | | 40.8 | | NA |
| (c) Shipments from Other Sources | | | | | NA |
| 4. End of Yr Stock | 12.9 | 32.6 | 54.4 | 24.4 | NA |
| 5. Desired End of Year Stock | NA | NA | 26.7 | 28.3 | NA |
| 6. Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | | 3.6 | NA |
| (b) Surplus | NA | NA | 27.6 | | NA |
| 7. Amount to Schedule | NA | NA | | 3.6 | NA |

1992 Minimum stock (months): 4 Maximum stock (months): 10

1993 Minimum stock (months): 4 Maximum stock (months): 10

Lead time (months): 2

25

Country: Mali
Recipient: AMPPF
Product: Lo-Femenal, Blue Lady
Prepared by: E.Levin
Modified by: Chovitz

Date: 08/20/92
Time: 18:08
Prepared on: 03/09/92
Modified on: 04/06/92

CY1992 Contraceptive Requirements Estimate
Footnotes

1. BEGINNING STOCK Year: 1990

AMPPF stock records.

2a. ESTIMATED USE Year: 1994

Use based on consumption at AMPPF clinic.

2b. ESTIMATED LOSS Year: 1990

Received 10.4 from MOH and transferred 14.5 to regions and NGOs.

2b. ESTIMATED LOSS Year: 1994

Transfers to AMPPF regional warehouses, NGOs, and private MDs.

Country: Mali
 Recipient: AMPPF
 Product: Norplant
 Prepared by: E. Levin, B. Jones
 Modified by: E. Levin, B. Jones

Date: 08/20/92
 Time: 18:08
 Prepared on: 03/09/92
 Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| | ----- | ----- | ----- | ----- | ----- |
| 1. Beginning Stock | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | | | | 0.1 | 0.1 |
| (b) Transfer/Loss/ Disposal | | | | | |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | | | | NA | NA |
| (b) Future AID Shipments | NA | | | | NA |
| (c) Shipments from Other Sources | | | | | NA |
| End of Yr Stock | 0.0 | 0.0 | 0.0 | 0.0 | NA |
| Desired End of Year Stock | NA | NA | 0.1 | 0.1 | NA |
| Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | 0.1 | 0.1 | NA |
| (b) Surplus | NA | NA | | | NA |
| Amount to Schedule | NA | NA | 0.1 | 0.1 | NA |

992 Minimum stock (months): 4 Maximum stock (months): 12
 993 Minimum stock (months): 4 Maximum stock (months): 12

Lead time (months): 2

27

Country: Mali
Recipient: AMPPF
Product: Norplant
Prepared by: E. Levin, B. Jones
Modified by: E. Levin, B. Jones

Date: 08/20/92
Time: 18:08
Prepared on: 03/09/92
Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate
Footnotes

1. BEGINNING STOCK

Year: 1990

New method not yet registered. CPT requested by USAID/Bamako

78

Country: Mali
 Recipient: AMPPF
 Product: Ovrette
 Prepared by: E. Levin
 Modified by: Chovitz

Date: 08/20/92
 Time: 18:08
 Prepared on: 03/09/92
 Modified on: 04/06/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| 1. Beginning Stock | 3.0 | 2.0 | 6.8 | 14.2 | 14.6 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | 0.9 | 4.0 | 6.0 | 7.2 | 7.5 |
| (b) Transfer/Loss/ Disposal | 0.1 | 5.6 | 7.0 | 8.0 | 8.0 |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | | 14.4 | | NA | NA |
| (b) Future AID Shipments | NA | | 8.4 | | NA |
| (c) Shipments from Other Sources | | | | | NA |
| 4. End of Yr Stock | 2.0 | 6.8 | 2.2 | -1.0 | NA |
| 5. Desired End of Year Stock | NA | NA | 14.0 | 14.3 | NA |
| 6. Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | 12.0 | 15.6 | NA |
| (b) Surplus | NA | NA | | | NA |
| 7. Amount to Schedule | NA | NA | 12.0 | 15.6 | NA |

992 Minimum stock (months): 4 Maximum stock (months): 10
 993 Minimum stock (months): 4 Maximum stock (months): 10
 lead time (months): 2

29

Country: Mali
Recipient: AMPPF
Product: Ovrette
Prepared by: E.Levin
Modified by: Chovitz

Date: 08/20/92
Time: 18:08
Prepared on: 03/09/92
Modified on: 04/06/92

CY1992 Contraceptive Requirements Estimate
Footnotes

1. BEGINNING STOCK Year: 1990

AMPPF stock records.

2a. ESTIMATED USE Year: 1994

Use based on issues to AMPPF clinic.

2b. ESTIMATED LOSS Year: 1990

Received 6.4k units from MOH and transferred 6.5 to regions and NGOs.

2b. ESTIMATED LOSS Year: 1994

Transfers to AMPPF regional agents, Private MDs, and NGOs.

Country: Mali
 Recipient: AMPPF
 Product: Conceptrol Foaming Tablet
 Prepared by: E.Levin
 Modified by: E.Levin

Date: 08/20/92
 Time: 18:08
 Prepared on: 03/09/92
 Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| 1. Beginning Stock | 19.0 | 182.6 | 241.6 | 337.5 | 337.3 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | 99.0 | 130.4 | 156.5 | 165.0 | 165.0 |
| (b) Transfer/Loss/ Disposal | 211.6 | 242.9 | 250.0 | 200.0 | 200.0 |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | 341.8 | 325.9 | | NA | NA |
| (b) Future AID Shipments | NA | | 91.2 | | NA |
| (c) Shipments from Other Sources | 132.4 | 106.4 | 56.0 | | NA |
| 4. End of Yr Stock | 182.6 | 241.6 | -17.7 | -27.5 | NA |
| 5. Desired End of Year Stock | NA | NA | 337.5 | 337.5 | NA |
| 6. Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | 355.2 | 364.8 | NA |
| (b) Surplus | NA | NA | | | NA |
| 7. Amount to Schedule | NA | NA | 355.2 | 364.8 | NA |

1992 Minimum stock (months): 4 Maximum stock (months): 10

1993 Minimum stock (months): 4 Maximum stock (months): 10

Lead time (months): 2

Country: Mali
Recipient: AMPPF
Product: Conceptrol Foaming Tablet
Prepared by: E.Levin
Modified by: E.Levin

Date: 08/20/92
Time: 18:08
Prepared on: 03/09/92
Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate
Footnotes

1. BEGINNING STOCK

Year: 1990

Central stocks 10/1/91 were 234900 plus 3144 tubes NeoSampoon (1 tube = 20 pieces).

Estimated central stocks 1/1/92 = 152,000 conceptrol + NeoSampoon.

2a. ESTIMATED USE

Year: 1994

CPT includes NeoSampoon and Conceptrol.

2b. ESTIMATED LOSS

Year: 1994

transfers to regions, NGOs, private MDs.

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Country: Mali
 Recipient: Ministere de la Sante Publique
 Product: 52mm Colored Sultan
 Prepared by: Chovitz
 Modified by: Chovitz

Date: 08/20/92
 Time: 18:08
 Prepared on: 04/08/92
 Modified on: 04/08/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| 1. Beginning Stock | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | | | | | |
| (b) Transfer/Loss/ Disposal | 252.0 | | | | |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | 252.0 | | | NA | NA |
| (b) Future AID Shipments | NA | | | | NA |
| (c) Shipments from Other Sources | | | | | NA |
| 4. End of Yr Stock | 0.0 | 0.0 | 0.0 | 0.0 | NA |
| 5. Desired End of Year Stock | NA | NA | | | NA |
| 6. Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | | | NA |
| (b) Surplus | NA | NA | | | NA |
| 7. Amount to Schedule | NA | NA | | | NA |

1992 Minimum stock (months): 0 Maximum stock (months): 0

1993 Minimum stock (months): 0 Maximum stock (months): 0

Lead time (months): 2

73

Country: Mali
Recipient: Ministere de la Sante Publique
Product: 52mm Colored Sultan
Prepared by: Chovitz
Modified by: Chovitz

Date: 08/20/92

Time: 18:08
Prepared on: 04/08/92
Modified on: 04/08/92

CY1992 Contraceptive Requirements Estimate
Footnotes

1. BEGINNING STOCK Year: 1990

Combined with 52NX CPT

2a. ESTIMATED USE Year: 1990

All stock transferred to 52NX CPT

2b. ESTIMATED LOSS Year: 1990

Transferred to 52NX CPT

34

Country: Mali
 Recipient: Ministere de la Sante Publique
 Product: 52mm Non Colored, No Logo
 Prepared by: Elise Levin, Khadidia Bocoum
 Modified by: Chovitz

Date: 08/20/92
 Time: 18:08
 Prepared on: 03/09/92
 Modified on: 04/08/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| 1. Beginning Stock | 900.0 | 812.0 | 366.0 | 899.0 | 900.0 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | 340.0 | 423.0 | 529.0 | 635.0 | 635.0 |
| (b) Transfer/Loss/ Disposal | -252.0 | 23.0 | | | |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | | | 102.0 | NA | NA |
| (b) Future AID Shipments | NA | | 120.0 | | NA |
| (c) Shipments from Other Sources | | | | | NA |
| 4. End of Yr Stock | 812.0 | 366.0 | 59.0 | 264.0 | NA |
| 5. Desired End of Year Stock | NA | NA | 899.6 | 899.6 | NA |
| 6. Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | 840.0 | 636.0 | NA |
| (b) Surplus | NA | NA | | | NA |
| 7. Amount to Schedule | NA | NA | 840.0 | 636.0 | NA |

1992 Minimum stock (months): 14 Maximum stock (months): 17

1993 Minimum stock (months): 14 Maximum stock (months): 17

Lead time (months): 2

35

Country: Mali
Recipient: Ministere de la Sante Publique
Product: 52mm Non Colored, No Logo
Prepared by: Elise Levin, Khadidia Bocoum
Modified by: Chovitz

Date: 08/20/92
Time: 18:08
Prepared on: 03/09/92
Modified on: 04/08/92

CY1992 Contraceptive Requirements Estimate
Footnotes

1. BEGINNING STOCK

Year: 1990

Stock figures from central stock cards and quarterly reports from regions. central stock 1/1/92 = 23,500.

2a. ESTIMATED USE

Year: 1994

Est. use for 1990 from central issues. 1991 from quarterly reports from the regions.

2b. ESTIMATED LOSS

Year: 1990

Transfer from 52CS CPT.

2b. ESTIMATED LOSS

Year: 1991

23,000 transferred to AMPPF.

Country: Mali
 Recipient: Ministere de la Sante Publique
 Product: Copper T, 380
 Prepared by: E.Levin, K. Bocoum
 Modified by: E.Levin, K. Bocoum

Date: 08/20/92

Time: 18:08
 Prepared on: 03/09/92
 Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| 1. Beginning Stock | 3.7 | 3.0 | 3.2 | 4.3 | 4.3 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | 1.5 | 2.0 | 2.5 | 3.0 | 3.0 |
| (b) Transfer/Loss/ Disposal | | | | | |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | 0.8 | 2.2 | | NA | NA |
| (b) Future AID Shipments | NA | | 1.0 | | NA |
| (c) Shipments from Other Sources | | | | | NA |
| 4. End of Yr Stock | 3.0 | 3.2 | 1.7 | 1.3 | NA |
| 5. Desired End of Year Stock | NA | NA | 4.3 | 4.3 | NA |
| 6. Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | 2.6 | 3.0 | NA |
| (b) Surplus | NA | NA | | | NA |
| 7. Amount to Schedule | NA | NA | 2.6 | 3.0 | NA |

1992 Minimum stock (months): 14 Maximum stock (months): 17

1993 Minimum stock (months): 14 Maximum stock (months): 17

Lead time (months): 2

37

Country: Mali
Recipient: Ministere de la Sante Publique
Product: Copper T, 380
Prepared by: E.Levin, K. Bocoum
Modified by: E.Levin, K. Bocoum

Date: 08/20/92
Time: 18:08
Prepared on: 03/09/92
Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate
Footnotes

1. BEGINNING STOCK

Year: 1990

Central stocks 1/1/92 = 1,800. Includes estimate of stocks in the regions.

2a. ESTIMATED USE

Year: 1994

Use based on central issues for 1990. For 1991, based on quarterly reports from the regions.

38

Country: Mali
 Recipient: Ministere de la Sante Publique
 Product: Lo-Femenal, Blue Lady
 Prepared by: E. Levin, K. Bocoum
 Modified by: E. Levin, K. Bocoum

Date: 08/20/92

Time: 18:08
 Prepared on: 03/09/92
 Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| 1. Beginning Stock | 218.5 | 199.5 | 170.3 | 485.5 | 485.7 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | 155.0 | 220.0 | 286.0 | 343.0 | 343.0 |
| (b) Transfer/Loss/ Disposal | 10.4 | | | | |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | 146.4 | 190.8 | | NA | NA |
| (b) Future AID Shipments | NA | | 228.0 | | NA |
| (c) Shipments from Other Sources | | | | | NA |
| 4. End of Yr Stock | 199.5 | 170.3 | 112.3 | 142.5 | NA |
| 5. Desired End of Year Stock | NA | NA | 485.9 | 485.9 | NA |
| 6. Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | 373.2 | 343.2 | NA |
| (b) Surplus | NA | NA | | | NA |
| 7. Amount to Schedule | NA | NA | 373.2 | 343.2 | NA |

992 Minimum stock (months): 14 Maximum stock (months): 17

993 Minimum stock (months): 14 Maximum stock (months): 17

Lead time (months): 2

29'

Country: Mali
Recipient: Ministere de la Sante Publique
Product: Lo-Femenal, Blue Lady
Prepared by: E. Levin, K. Bocoum
Modified by: E. Levin, K. Bocoum

Date: 08/20/92
Time: 18:08
Prepared on: 03/09/92
Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate
Footnotes

1. BEGINNING STOCK

Year: 1990

Stock figures based on central stocks and estimate of stocks in the regions. Central stocks 1/1/92 = 52,300.

2a. ESTIMATED USE

Year: 1994

Use for 1990 based on issues from central warehouse (80% of issues).
For 1991, based on regions' quarterly reports.

2b. ESTIMATED LOSS

Year: 1994

Transfers to AMPPF.

40

Country: Mali
 Recipient: Ministere de la Sante Publique
 Product: Ovrette
 Prepared by: E. Levin, K. Bocoum
 Modified by: Chovitz

Date: 08/20/92
 Time: 18:08
 Prepared on: 03/09/92
 Modified on: 04/06/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| | ----- | ----- | ----- | ----- | ----- |
| 1. Beginning Stock | 100.0 | 125.8 | 88.8 | 112.8 | 113.2 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | 35.0 | 55.0 | 66.0 | 80.0 | 80.0 |
| (b) Transfer/Loss/ Disposal | 6.4 | | | | |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | 67.2 | 18.0 | 18.0 | NA | NA |
| (b) Future AID Shipments | NA | | 2.4 | | NA |
| (c) Shipments from Other Sources | | | | | NA |
| 4. End of Yr Stock | 125.8 | 88.8 | 43.2 | 32.8 | NA |
| 5. Desired End of Year Stock | NA | NA | 113.3 | 113.3 | NA |
| 6. Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | 69.6 | 80.4 | NA |
| (b) Surplus | NA | NA | | | NA |
| 7. Amount to Schedule | NA | NA | 69.6 | 80.4 | NA |

1992 Minimum stock (months): 14 Maximum stock (months): 17
 1993 Minimum stock (months): 14 Maximum stock (months): 17
 Lead time (months): 2

41

Country: Mali
Recipient: Ministere de la Sante Publique
Product: Ovrette
Prepared by: E. Levin, K. Bocoum
Modified by: Chovitz

Date: 08/20/92
Time: 18:08
Prepared on: 03/09/92
Modified on: 04/06/92

CY1992 Contraceptive Requirements Estimate
Footnotes

1. BEGINNING STOCK

Year: 1990

Stocks based on central warehouse records and estimate of stocks in the regions. Central stocks on 1/1/92 = 62,600 Ovrette + 18,100 Microlut.

2a. ESTIMATED USE

Year: 1994

CPT includes both Ovrette and Microlut. Microlut is received from UNFPA, but has not been received since 1989. The two products are managed as one.

2b. ESTIMATED LOSS

Year: 1994

Transfers to AMPPF.

12

Country: Mali
 Recipient: Ministere de la Sante Publique
 Product: Conceptrol Foaming Tablet
 Prepared by: Elise Levin
 Modified by: Elise Levin, Khadidia Bocoum

Date: 08/20/92
 Time: 18:08
 Prepared on: 03/08/92
 Modified on: 03/08/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| 1. Beginning Stock | 304.0 | 507.0 | 368.9 | 346.9 | 355.3 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | 160.0 | 186.1 | 214.0 | 246.0 | 250.0 |
| (b) Transfer/Loss/ Disposal | | | | | |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | | 48.0 | | NA | NA |
| (b) Future AID Shipments | NA | | 52.8 | | NA |
| (c) Shipments from Other Sources | 363.0 | | | | NA |
| 4. End of Yr Stock | 507.0 | 368.9 | 207.7 | 100.9 | NA |
| 5. Desired End of Year Stock | NA | NA | 348.5 | 354.2 | NA |
| 6. Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | 139.2 | 254.4 | NA |
| (b) Surplus | NA | NA | | | NA |
| 7. Amount to Schedule | NA | NA | 139.2 | 254.4 | NA |

1992 Minimum stock (months): 14 Maximum stock (months): 17

1993 Minimum stock (months): 14 Maximum stock (months): 17

Lead time (months): 2

- 13 -

Country: Mali
Recipient: Ministere de la Sante Publique
Product: Conceptrol Foaming Tablet
Prepared by: Elise Levin
Modified by: Elise Levin, Khadidia Bocoum

Date: 08/20/92
Time: 18:08
Prepared on: 03/08/92
Modified on: 03/08/92

CY1992 Contraceptive Requirements Estimate
Footnotes

1. BEGINNING STOCK

Year: 1990

Stock records from central warehouse and estimate of stocks in the field, for 1990. For 1991, based on quarterly reports and central stock records.

2a. ESTIMATED USE

Year: 1994

Est. use for 1990 based on central issues. For 1991, based on quarterly reports of issues from the regions. 15% increase estimated for 1992 and 1993.

Country: Mali
 Recipient: Comite National de Lutte Contre le SIDA
 Product: 52mm Non Colored, No Logo
 Prepared by: E.Levin,
 Modified by: E.Levin,

Date: 08/20/92

Time: 18:08
 Prepared on: 03/09/92
 Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate (1,000's)

| | CY1990 Actual | CY1991 Actual | CY1992 Est | CY1993 Est | CY1994 Est |
|-------------------------------------|------------------|------------------|---------------|---------------|---------------|
| 1. Beginning Stock | 300.0 | 878.0 | 181.2 | 627.2 | 627.2 |
| 2. Estimated Consumption | | | | | |
| (a) Use/Sales/ Distribution | 687.0 | 776.0 | 700.0 | 750.0 | 750.0 |
| (b) Transfer/Loss/ Disposal | -396.0 | 184.8 | | | |
| 3. New Supply | | | | | |
| (a) AID Shipments Received | 372.0 | 264.0 | 216.0 | NA | NA |
| (b) Future AID Shipments | NA | | 600.0 | | NA |
| (c) Shipments from Other Sources | 497.0 | | | | NA |
| 4. End of Yr Stock | 878.0 | 181.2 | 297.2 | -122.8 | NA |
| 5. Desired End of Year Stock | NA | NA | 625.0 | 625.0 | NA |
| 6. Net Situation | | | | | |
| (a) Quantity Needed | NA | NA | 330.0 | 750.0 | NA |
| (b) Surplus | NA | NA | | | NA |
| 7. Amount to Schedule | NA | NA | 330.0 | 750.0 | NA |

1992 Minimum stock (months): 4 Maximum stock (months): 10
 1993 Minimum stock (months): 4 Maximum stock (months): 10

Lead time (months): 2

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Country: Mali
Recipient: Comite National de Lutte Contre le SIDA
Product: 52mm Non Colored, No Logo
Prepared by: E.Levin,
Modified by: E.Levin,

Date: 08/20/92
Time: 18:08
Prepared on: 03/09/92
Modified on: 03/09/92

CY1992 Contraceptive Requirements Estimate
Footnotes

1. BEGINNING STOCK Year: 1990
3/9/92 stocks were 181,200. No stock records exist.

2a. ESTIMATED USE Year: 1994
Use is based on consumption records from High-risk project targeting brothels and bars, plus quantities dispensed directly from program office. Also occasional transfers to other organizations.

2b. ESTIMATED LOSS Year: 1990
996,000 other brands - negative transfer
600,000 unaccounted for
= -396,000

2b. ESTIMATED LOSS Year: 1991
unaccounted for - may be transfers to schools, etc.

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