

MAXIMUS



Hospital Management Information System (HMIS)



Prepared for:
U.S. Agency for International Development
Curative Care Organization, Egypt

Contract Number:
263-C-00-97-00072-00

QUARTERLY PROGRESS REPORT

Q2, 2000

April 1 – June 30, 2000

USAID Project Number: 263-0254-3-96052

[Develop a Detailed and Updated Management Information System for the
Cairo Curative Organization, Health Policy Support Program]

Prepared by:
MAXIMUS Inc.

Date:
July 31, 2000



July 31, 2000

Dr. Samiry Sultan
CCO Chairman
Cairo Curative Organization
Cairo, Egypt

Dear Dr. Sultan:

MAXIMUS is pleased to submit the Quarterly Progress Report (QPR) for Quarter 2, 2000 for the Cairo Curative Organization Health Management Information System (CCO HMIS). This report covers the period April 1 through June 30, 2000. The contents of this report are based on the plan submitted in the Annual Implementation Plan 2000 (AIP 00) with the revisions to that plan that were requested by the CCO and described in QPR 1, 2000.

It should be noted that just at the close of this quarter, the project was joined by its new Chief of Party - Mr. Peter Ottis. Mr. Ottis will be signing deliverables and QPR's from this point forward. Should you have any questions about the content of this report or wish to discuss any issues mentioned, please do not hesitate to contact Mr. Ottis directly.

Sincerely,

Leslie Graham
Vice President



July 31, 2000

Sameh El Gayyar, Project Officer
USAID/Egypt
Zahraa El Maadi
Cairo, Egypt

Reference: Contract No. 263-C-00-97-00072-00

Dear Dr. El Gayyar:

MAXIMUS is pleased to submit the Quarterly Progress Report (QPR) for Quarter 2, 2000 for the Cairo Curative Organization Health Management Information System (CCO HMIS). This report covers the period April 1 through June 30, 2000. The contents of this report are based on the plan submitted in the Annual Implementation Plan 2000 (AIP 00) with the revisions to that plan that were requested by the CCO and described in QPR 1, 2000.

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Sincerely,

fr. Peter Ottis

Leslie Graham
Vice President



July 31, 2000

Mohamed Saied
Naser Institute Director
Cairo, Egypt

Dear Dr. Saied:

MAXIMUS is pleased to submit the Quarterly Progress Report (QPR) for Quarter 2, 2000 for the Cairo Curative Organization Health Management Information System (CCO HMIS). This report covers the period April 1 through June 30, 2000. The contents of this report are based on the plan submitted in the Annual Implementation Plan 2000 (AIP 00) with the revisions to that plan that were requested by the CCO and described in QPR 1, 2000.

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Sincerely,

for: Peter Ottis

Leslie Graham
Vice President

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1 NARRATIVE: OVERVIEW OF THE QUARTER

This is the Second Quarter, 2000 Quarterly Progress Report (QPR) for the MAXIMUS CCO HMIS project. This report covers the period from April 1, 2000 through June 30, 2000. This report has as its basis the Annual Implementation Plan (AIP) for 2000, with the modifications noted in QPR 1, 2000.

1.1 Contract Modifications

During this quarter, MAXIMUS and USAID continued to work on two specific contract modifications: a) approval for MAXIMUS to procure systems software for Naser Institute, and b) extension of the contract end date to September 2001. Both these items are described in more detail below.

- o Systems Software for Naser Institute. The MAXIMUS contract states that all procurements for Naser Institute will be done by USAID. IRM/Washington has already procured the computer servers and workstations for Naser Institute and has subcontracted for the network cabling (work is being performed during this quarter.) Discussion continues between USAID/Cairo and IRM/Washington as to which entity will do the procurement of the printers for Naser Institute with resolution of this issue expected in August. In 1999, IRM/Washington determined it did not have the procurement mechanisms to purchase the necessary systems software for Naser Institute and requested that MAXIMUS do the procurements. MAXIMUS has indicated we can do these procurements as soon as the appropriate contract modification is processed. MAXIMUS has provided all necessary paperwork to USAID for this modification and we are told the modification is in progress.
- o Contract Extension. As noted in the AIP 2000, the project has experienced a number of delays and will not be complete by December 31, 2000. However, delays have been worked into the schedule as they are encountered, with staffing and expenditures matched to what could be accomplished at the time. Therefore, project expenditures are in keeping with activities completed. No additional funds are requested for the contract extension, only a change in the end date of the contract to September 15, 2001.

Completion of the above contract modifications was expected during the past quarter. However, USAID encountered an internal issue regarding line item allocations. This issue is expected to be resolved within this month.

1.2 Current Activities Including Subcontracts

MAXIMUS is the prime contractor for this project. Additionally, there are two contractors providing project support. ICL, as a subcontractor to MAXIMUS, provides the F&MAS software and implementation. Arabsoft, as a subcontractor to MAXIMUS, provides a Training Manager. All project activities are interrelated and supported by this MAXIMUS Project Team, in order to successfully fulfill the goals of the project.

During the period covered by this report the following significant activities or events occurred.

- o The printer justification problem was resolved, including testing and review by the consultants.
- o Training was completed at El Helal, Dar El Shefa and Heliopolis hospitals for the Surgery and Engineering applications (installed last quarter). Heliopolis hospital is now using the Engineering module. El Helal remains in the data loading phase since their equipment maintenance records were not previously centralized, and Dar El Shefa requested and received additional training on the Engineering module. All three hospitals are using the Surgery module, but have made some requests for modifications.
- o End-users at El Helal, Dar El Shefa and Heliopolis hospitals were trained and received two weeks of on-site support for the Laboratory module (phase I: clinical pathology). In addition, the second phase of the Laboratory module (e.g. anatomical pathology, microbiology) completed its customization and arabization. It will be demonstrated to CCO consultants and end-users during July.
- o The Text Integration module completed its initial customization and arabization. Input from nursing and physician staff (from Naser Institute) was that the module requires additional simplification.
- o The Pharmacy (outpatient) module completed its customization and arabization. It will be demonstrated to CCO consultants and end-users during July.
- o Phase I F&MAS modules were tested at Heliopolis hospital. Many issues were found. MAXIMUS instituted regular meetings with ICL to press for resolution of these issues. At the close of the quarter, Payroll, Personnel, General Ledger and Budget were relatively stable as standalone modules. However, integration testing is on hold because the Patient Accounting module is not complete. ICL has promised an August 2, 2000 completion date for this module.
- o Integration between VISTA and the F&MAS moved forward this quarter. Agreement was reached on common coding schemes, and preliminary record structures were

designed for the communication of data between packages. A test of the data exchange is on hold pending the completion of the Patient Accounting system by ICL.

1.3 Performance

The following sections review the activities in progress during this quarter and comment on the status of each. The main headings are tasks as shown in the AIP 2000. Only those tasks for which work was performed this quarter are discussed. Tasks that are closed out are noted.

1.3.1 Project Orientation, Startup, Planning, Monitoring and Reporting (Task 1)

QPR Q1, 2000 was provided during this quarter. That QPR incorporated the comments received from the CCO regarding the AIP 2000 including additions and modifications to the project schedule.

1.3.2 Revise Existing Departmental Operations and Procedures Manuals (Task 2)

CLOSED

1.3.3 Physical Site Preparation (Task 3)

Deliverable 3: Blueprint Plans for HMIS Facilities was produced during this quarter. This deliverable details the site preparation activities that have occurred under this contract for El Helal, Dar El Shefa and Heliopolis hospitals. With two remaining cabling needs to be met, MAXIMUS has completed all site preparation under this contract. The two remaining needs are:

- o At Dar El Shefa, an additional port for the new Outpatient Building in the outpatient laboratory; and
- o At El Helal, a port in the new outpatient pharmacy.

The MAXIMUS contract specifically excluded site preparation of the Naser Institute. All site preparation for Naser Institute was conducted by USAID through subcontracts to other vendors. The AIP 2000 stated that the Naser Institute network must be completed by June 1, 2000 or it would impact the overall project schedule. Although some final acceptance testing awaits the short-term visit of Alvaro Garcia from USAID IRM/Washington in July, the

network was functioning sufficiently by June 15 to allow the installation of servers in the main computer room and connection of approximately 20 workstations over the network.

IRM Washington also succeeded in sending replacements for the incorrect Supervisor Engine II's of the Cisco switches. These switches were critical to adding more workstations at each of the facilities. The full Cisco switches are now installed at all five facilities, including Naser Institute.

At Headquarters, power problems continued throughout the quarter. Last quarter, a solution was promised by CCO by May. In June the CCO Chairman, Dr. Samiry Sultan, held a meeting with his staff and Leslie Graham from MAXIMUS in which the CCO stated the electricity problem would be resolved by July 8, 2000. However, as of this writing it remains unresolved. Six project offices still do not have air-conditioning including the end-user training rooms. Power cuts affecting the computers and our ability to work continue to occur regularly.

1.3.4 Review HMIS Functional Design (Task 4) and Develop the HMIS Technical Design, Enhance and Finalize (Task 5)

The following sections discuss progress with the HMIS functional and technical design.

1.3.4.1 VISTA

ADT has been installed in El Helal and Naser Institute since late last year and in Heliopolis and Dar El Shefa since early this year. Naser Institute had been utilizing ADT on a temporary network only with limited workstations. The Naser Institute network now appears to be complete so training for ADT will occur throughout the hospital during the upcoming quarter.

Engineering and Surgery were also installed in Q1 of this year and data loading occurred. During this quarter, Dar El Shefa, El Helal and Heliopolis staff received training and on-site support for both modules.

The clinical pathology portion of the Laboratory package was implemented this quarter at the three hospitals. Each of the hospitals is experiencing some difficulty in using the module – due in part to the shortage of personnel, especially personnel that can read both English and Arabic (as most lab tests and results are in English). The second phase of laboratory (anatomical pathology, microbiology, etc) is nearing completion and will be demonstrated to the consultants during the upcoming quarter before implementation begins in the hospitals.

The Text Integration module completed its initial customization and arabization. Input from nursing and physician staff (from Naser Institute) was that the module requires additional simplification. This shall be completed this quarter and reviewed by the consultants.

The Pharmacy (outpatient) module completed its customization and arabization. It will be demonstrated to CCO consultants and end-users during July.

The Medical Records Merge module is ready for testing. The Radiology module is starting customization and Arabization.

1.3.4.2 F&MAS

Phase I F&MAS modules were tested at Heliopolis hospital. Many issues were found. MAXIMUS instituted regular meetings with ICL to press for resolution of these issues. At the close of the quarter, Payroll, Personnel, General Ledger and Budget were relatively stable as standalone modules. However, integration testing is on hold because the Patient Accounting module is not complete. ICL has promised an August 2, 2000 completion date for this module. The CCO has stated that no modules can be fully accepted until the integration testing is complete.

Phase II modules are undergoing testing at the CCO headquarters. These modules will be released for testing at Heliopolis Hospital using live data once testing at CCO headquarters is complete and once the issues with Phase I modules are resolved.

1.3.5 Order and Deliver Hardware, Software and Telecommunications (Task 6)

All hardware and systems software ordered by MAXIMUS to-date had been delivered prior to the start of this quarter. All servers had been installed, and workstations are being installed on an as-needed basis as the modules are rolled out. In Naser Institute, the servers were moved from the temporary area to the final computer room, now that the network is available.

As of the end of Quarter 2, 2000, the following numbers of project procured workstations were at each of the facilities.

**Exhibit 1-1
PROCURED WORKSTATIONS AT EACH FACILITY**

| Facility | Workstations at Facility (June 30, 2000) | Comment |
|-----------------|---|--|
| Naser Institute | 92 | Quantity determined and ordered by IRM (RFP listed 96 workstations). |
| Heliopolis | 53 | Hospital Director has placed all workstations; not all are placed according to HMIS needs. |
| Dar El Shefa | 45 | Some of the workstations remain in storage at the hospital, awaiting implementation of additional modules |
| El Helal | 45 | Some of the workstations remain in storage at the hospital, awaiting implementation of additional modules |
| CCO HQ | 37 | 29 of these are utilized at the HMIS Center. <ul style="list-style-type: none"> • 13 Counterparts/Training/Testing • 13 MAXIMUS staff • 3 Emergency spares It is estimated that approximately 20 of these 29 PC's will still be required by the HMIS Center once MAXIMUS staff are gone. |
| Project Storage | 19 | Awaiting distribution to facilities, including CCO HQ, as F&MAS modules are implemented |

MAXIMUS is in the process of updating an earlier survey of PC needs, with the assumption that all PC's will be utilized for HMIS purposes (F&MAS, VISTA and Knowledgebase). This will show where there are deficits in the numbers of PC's and a procurement plan can be developed.

In addition, MAXIMUS continued work from previous quarters on the following.

- o The replacement Supervisor Engine II's for the Cisco switches were received from IRM/Washington. These were installed in all sites. This makes additional ports available and allows us to move forward with the implementation of other modules.
- o MAXIMUS continues to provide USAID with information it requires in order to modify the MAXIMUS contract to procure systems software needed for Naser Institute.

1.3.6 Coordinate and Install Hardware, System Software and Telecommunications (Task 7)

See the previous section for information on hardware. Systems software is installed on all servers and on all workstations that have been placed. (Note: Naser Institute is awaiting the procurement of its systems software - USAID is working to amend the MAXIMUS contract to include this procurement.)

During this quarter, MAXIMUS and CCO worked together to complete the telecommunications connections between the three hospitals and the CCO headquarters. Dar El Shefa, Heliopolis and El Helal hospitals had all contracted last year for telecommunications lines from their facilities to CCO headquarters. However, Egypt Telecomm had not verified or completed the connections. MAXIMUS assisted the CCO this quarter in getting Egypt Telecomm to complete these connections. All connections are now available.

Naser Institute has the choice of getting its own connection to an ISP for Internet service, or connecting to the CCO headquarters as well. Securing of a connection through either means is important for full use of the Knowledgebase.

1.3.7 Plan, Provide, and Customize HMIS Software (Task 8)

See Section 1.3.4 for a review of the HMIS software status.

1.3.8 Provide Complete System and User Documentation (Task 9)

Components of Deliverable 13 were produced during this quarter. Deliverable 13 has three components for each of the modules. These are the application training manual, the system user training manual and the user documentation. In addition, management documentation is being produced as a part of Deliverable 13. During this quarter, the three components (application, system, user) were produced for the the Laboratory - Clinical Pathology module.

1.3.9 Plan and Conduct Training (Task 10)

Training is provided on applications (modules) and also to develop the technical skills necessary to operate and maintain the system. These are referred to as Applications and Systems training respectively.

For applications training during this quarter, classes were focused on:

- o PC basic skills,
- o Surgery application of VISTA,
- o Engineering application of VISTA, and
- o Laboratory application of VISTA.

A total of 9 classes were given covering 193 person days of training. An additional 949 days of on-the-job training were provided to project counterparts on the applications. Appendix B shows the detail for applications training in this quarter.

For systems training during this quarter, project counterparts participated in the customization of the engineering, laboratory, surgery and radiology modules, the analysis and coding for a VISTA patient billing system, and training on system administration. A total of 286 person days of training were provide on NT Server 4.0 (Fundamentals, Advanced Class 1 and Advanced Class 2), 80 person days of training were provided on Data Communications and Concepts and 88 person days of training were provided on Programming Logic and Systems Administration. In total, 41 project counterparts received 468 person days of technical training.

In addition, technical training for physicians started this quarter. This training is in preparation for the Knowledgebase implementation and focuses on Internet use. In total 5 physicians received 10 person days of training. Appendix B also contains the details for systems training during this quarter.

1.3.10 Hardware/Software Testing, Implementation and Maintenance (Task 11)

As mentioned in an earlier section, "live data" testing at Heliopolis Hospital of Phase I F&MAS modules uncovered a number software issues. The Quality Manager of ICL has become involved to ensure all issues are resolved to the CCO's satisfaction. At the close of the quarter, issues remained primarily with only one of the Phase I modules – Patient Accounting.

All the major hardware purchased by MAXIMUS was installed and tested during previous quarters. We continue to maintain this equipment. Some equipment remains under warranty, while other equipment has moved to a maintenance phase. For those items under maintenance, MAXIMUS arranges maintenance as needed.

Some of the equipment purchased by IRM Washington arrived in non-working order or has broken once in Cairo. Local support has been difficult to obtain. The 1 year warranty for Cisco switches and IBM PC's had only 2 months left on them by the time MAXIMUS finally received the warranty information from McBride. These warranties have now expired although the Cisco switches are only just being fully installed with the correct Supervisor Engines, and Naser Institute is just now installing the majority of the IBM PC's.

It is unclear what party is responsible for this IRM-procured equipment should an expensive repair be necessary. The MAXIMUS budget is predicated upon maintenance for equipment procured by MAXIMUS only, as was indicated in our contract. However, because there is no other entity with apparent responsibility for the IRM procured equipment and this equipment is important to the overall HMIS implementation, MAXIMUS has been providing the level of effort to assess and manage maintenance issues as they arise. These types of open areas of responsibility place MAXIMUS in a difficult position and do, over time, contribute to project delays. As a "lessons learned" for other information technology projects, we recommend that all equipment be procured by the vendor responsible for the overall IT product, and that this vendor also be responsible for the maintenance.

1.3.11 Conversion from Manual to Automated Systems (Task 12)

During this quarter Deliverable 20: Data Conversion Plan was produced. This plan discusses that data available on existing systems is limited and no automated conversions are planned. The primary activity is data loading. MAXIMUS is supplying all data entry screens and the training for data loading. Each hospital must supply the data and have their staff enter these data. The ease of this task for the hospitals depends primarily upon the existing organization of manual records.

1.3.12 Identify and Procure Departmental Protocols and Procedures (Task 15)

During this quarter it was agreed that the CCO and the hospitals would provide a "Priority One" list for Knowledgebase content, based upon the draft list of available content provided by MAXIMUS. In early July, the project consultants provided the "Priority One" list. MAXIMUS is clarifying some items with the consultants and will move quickly to procure these items

1.3.13 Develop Management and Organizational Infrastructure for the Knowledgebase (Task 16)

During this quarter, MAXIMUS planned and began the training for managers and physicians who will be utilizing the Knowledgebase. This training begins with a basic introduction to the Internet. MAXIMUS will continue discussions regarding who and how the Knowledgebase can be most useful. The change of some hospitals to the MOHP has complicated this issue as there is no longer a single governing organization for which to build an infrastructure.

2 MAJOR ISSUES

This section reviews the major issues that arose during the quarter, as well as those that remain from previous quarters. Issues listed in this QPR as resolved will not appear in subsequent QPRs.

2.1 Hardware

The following issues arose relating to hardware.

2.1.1 Hardware Orders

Issue:

The CCO has determined that it needs 47 additional PCs at the hospitals (excluding any needs for additional PCs at Naser Institute). This need was discussed many months ago and USAID had indicated it might procure an additional 50 PCs for the CCO. However, now it appears that will not happen.

Proposed Resolution:

If at all possible, USAID could reconfirm its budget with IRM for these 50 PCs.

2.1.2 Printers

Issue:

IRM Washington has not ordered printers for Naser Institute yet. These are needed now that the cabling and networking at the hospital is completed.

Proposed Resolution:

USAID Egypt has proposed a local procurement of the printers. This should be completed as soon as possible.

2.1.3 Network Hardware

RESOLVED

Issue:

The problem with the Cisco switches not providing more than 24 ports has been defined. The problem is the switches were shipped with the wrong internal engines (Supervisor I instead of Supervisor II). IRM Washington and the firm responsible for this procurement are attempting to determine how to get replacement switches. The Naser Institute network cannot be completed without receipt of these engines.

Proposed Resolution:

IRM procured the replacement boards and they have been delivered to Cairo and installed by MAXIMUS staff.

2.1.4 Hardware Maintenance

Issue:

The hardware ordered through IRM Washington does not have any provisions for maintenance once the warranty periods expire.

Proposed Resolution:

This equipment is primarily at Naser Institute. Naser Institute should develop a maintenance relationship with NCR (servers) and the local IBM distributor (for the PC's). The three other hospitals also have a total of 72 IBM PCs. Perhaps the Naser Institute maintenance contract can be extended to cover El Helal and Dar El Shefa as these are also Ministry of Health hospitals now. This would leave Heliopolis to pay for maintenance of their IBM PC's on a time and materials basis.

2.2 Site Preparation

The following issues relate to site preparation.

2.2.1 Headquarters

Issue:

As discussed in previous QPRs, serious electricity problems have hindered project work at Headquarters. A temporary partial solution - turning off the air conditioners in the project offices - has had a serious negative impact in recent months on the working environment for the project. Not only have the facilities been very hot and uncomfortable at times, but the noise created by opening the windows (virtually all facing the Corniche) can be very distracting.

Resolution:

We are still awaiting resolution of this issue, while we continue to work under difficult conditions. A resolution to the electricity problem promised by the CCO in May 2000 did not come to pass. Instead air-conditioning was turned on in 6 of the 10 project spaces. A solution for the CCO headquarters as a whole is being priced and put out for bid by the CCO.

2.2.2 Telecommunication Lines

RESOLVED

Issue:

The telecommunication lines between facilities that were procured by the CCO had not been initialized by Egypt Telecomm. These lines are the access mechanism for the Internet portion of the Knowledgebase.

Resolution:

MAXIMUS and CCO staff have worked together for a solution during this quarter. The lines are now ready.

2.3 Software

These issues relate to software.

2.3.1 System Software for Naser Institute

Issue:

IRM Washington was going to procure the system software for Naser Institute. However, this is a difficult procurement for them due to their procurement mechanisms.

Proposed Resolution:

MAXIMUS has requested from USAID a contract modification to allow procurement of these items under the MAXIMUS contract. *Now that the network is ready at Naser Institute, it is critical that USAID provide these funds so as not to delay implementation at that facility further.*

2.3.2 Software Acceptance

Issue:

ADT has been running in the hospitals for many months now. Surgery, Lab and Engineering are also running in some of the facilities. There do not appear to be any software 'bugs' with these modules. MAXIMUS would like clear definition of how and from whom acceptance can be gained.

Proposed Resolution:

USAID should name at most three individuals with authority for acceptance (one from USAID, CCO and MOHP). These individuals can provide to MAXIMUS specific criteria for acceptance or, MAXIMUS could work jointly with this group to develop such criteria.

3 STATUS OF PROJECT DELIVERABLES

Work on several deliverables was accomplished during this quarter. The following table, Exhibit 3-1 shows the status of all deliverables, as per the 2000 Annual Implementation Plan (AIP). The "due date" is an internally set date that the project uses to monitor its own progress. Delivered/expected dates are either the date a deliverable was actually submitted, or the expected date which will be listed when there is a variance between the internal due date and expected delivery date.

**Exhibit 3-1
STATUS OF DELIVERABLES**

| No. | Name | Due Date | Percent Complete | Delivered/ Expected |
|---------------|---|-----------|---|------------------------|
| 1 | Detailed Project Management Plan | | 100% | 11/98 |
| 2 | Revisions to Existing Operations/Procedures | N/A | Cannot be completed -- see Task 2 description on page 1-3 | 1/00 |
| 3 | Blueprint Plans for HMIS Facilities | 7/99 | 100% | 7/00 |
| 4-1 to 4-12 | Final Agreed-Upon Functional Design (FAFD) for PCS/VISTA Modules | Staggered | 50% | |
| 4-13 to 4-21 | Final Agreed-Upon Functional Design (FAFD) for F&MAS Modules | Staggered | 90% | |
| 5-1 to 5-12 | Detailed Design Document (DDD) for PCS/VISTA Modules | Staggered | 15% | |
| 5-13 to 5-21 | Detailed Design Document for F&MAS Modules | Staggered | 90% | |
| 6 | Programming Specifications and Conventions | | 100% | 5/99 |
| 7 | Detailed Hardware, Software and Telecommunications Specification | 8/99 | 100% | 9/99 |
| 8 | Final HMIS Installation Plan | 8/99 | 100% | 2/00 |
| 9 | System Installation and Installation Reports | 8/99 | 0% | End-of-project |
| 10 | Source Code | 11/00 | 0% | End-of-project |
| 11 | HMIS Test Plan | 9/99 | 100% | 3/00 |
| 12 | Hardware/Software Technical References (English) | 8/99 | 100% | 2/00 |
| 13-1 to 13-21 | End User and Management Documentation | Staggered | 5% | |
| 14 | Training Plan (Overall) | | 100% | 6/99 |
| 15 | Systems Training Plan & Materials | | 100% | 6/99 |
| 16 | End User Training Plan & Materials | | 100% | 6/99 |
| 17 | Management Training Agenda & Materials (includes Evaluation Report) | | 100% | 3/99 |
| 18 | HMIS Acceptance Test Report | 8/99 | 0% | End-of-project |
| 19 | HMIS Maintenance Plan | 11/00 | 0% | 11/00 |
| 20 | Data Conversion Plan | 5/99 | 100% | 6/00 |
| 21 | HMIS Post-Implementation Audit Report | 11/00 | 0% | End-of-project |
| 22 | PCS & F&MAS Implementation Interim Report | 11/00 | 0% | 12/00 |
| 23 | List of Available Protocols and Procedures, Materials, Software, Etc. | 6/99 | 100% | 9/99 |
| 24 | Plan for Management and Organizational Infrastructure for MNS | 6/99 | 35% | 9/00 |
| 25 | Knowledgebase Web Server and Web Page Authoring Tool Set | 7/99 | 60% | 8/00 |
| 26 | Medical Diagnosis and Treatment Support Applications Software | 7/99 | 0% | 8/00 |
| 27 | Install & Test MNS Knowledgebase | 7/99 | 0% | 8/00 |
| 28 | MNS Technical and User Manuals | 8/99 | 0% | 8/00 |
| 29 | Training Program for MNS Users | 8/99 | 0% | 9/00 |
| 30 | MNS Test Report and Maintenance Plan | 8/99 | 0% | 10/00 |
| 31 | MNS Post-Implementation Audit Report | 10/99 | 0% | 10/00 |
| 32 | Final Report on Total HMIS System Implementation | 11/00 | 0% | End-of-project |

Appendix A (page 1 of 20)
PROJECT STATUS SUMMARY

Hospital Management Information System (HMIS) Schedule
Baseline is AIP '00 Schedule as Revised in QPR 1, '00
USAID Contract No 263-C-00-97-00072-00

| ID | Task Name | Start | Finish | 2000 | | | | | | | | | | | | 2001 | | | | | | | | | | | |
|----|--|--------------|--------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | | | |
| 1 | Site Preparation | Fri 5/1/98 | Mon 7/31/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Headquarters | Fri 5/1/98 | Fri 12/3/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Procure hardware/software | Fri 5/1/98 | Thu 10/29/98 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Prepare site | Fri 8/7/98 | Thu 10/29/98 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Modify site | Sun 10/10/99 | Fri 12/3/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Prepare blue prints | Thu 1/21/99 | Wed 2/24/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | El Hilal | Thu 10/1/98 | Tue 4/11/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Procure hardware/software | Thu 10/1/98 | Wed 3/31/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Prepare site | Wed 1/6/99 | Tue 3/30/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Modify site | Wed 3/31/99 | Tue 3/28/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Prepare blue prints | Mon 6/21/99 | Tue 4/11/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Dar el Sheifa | Tue 12/1/98 | Thu 9/16/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | Procure hardware/software | Tue 12/1/98 | Mon 5/31/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | Prepare site | Tue 3/9/99 | Mon 5/31/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | Modify site | Fri 5/28/99 | Thu 8/19/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | Prepare blueprints | Fri 8/20/99 | Thu 9/16/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Heliopolis | Mon 2/1/99 | Wed 11/17/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | Procure hardware/software | Mon 2/1/99 | Fri 7/30/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | Prepare site | Thu 5/6/99 | Wed 7/28/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | Modify site | Thu 7/29/99 | Wed 10/20/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | Prepare network layout and CAT5 results | Thu 10/21/99 | Wed 11/17/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | Naser Institute | Thu 4/1/99 | Mon 5/22/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | USAID Procures hardware/software | Thu 4/1/99 | Wed 2/16/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | Prepare site | Tue 7/6/99 | Mon 5/22/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | D3 (T3) Blueprint Plans for HMIS Facilities | Tue 4/11/00 | Sun 7/9/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | D9 (T7) System Installation and Installation Reports | Tue 3/28/00 | Tue 3/28/00 | | | | | | | | | | | | | | | | | | | | | | | | |

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PROJECT STATUS SUMMARY

| | | | | Hospital Management Information System (HMIS) Schedule | | | | | | | | | | | | | | | | |
|----|---|--------------|--------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|
| | | | | Baseline is AIP '00 Schedule as Revised in QPR 1, '00 | | | | | | | | | | | | | | | | |
| | | | | USAID Contract No 263-C-00-97-00072-00 | | | | | | | | | | | | | | | | |
| ID | Task Name | Start | Finish | 2000 | | | | | | | | | | | | 2001 | | | | |
| | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May |
| 27 | Maintenance Phase | Sun 10/31/99 | Mon 7/31/00 | | | | | | | | | | | | | | | | | |
| 28 | Secure hardware maintenance vendor/contract | Sun 10/31/99 | Sun 10/31/99 | | | | | | | | | | | | | | | | | |
| 29 | Secure software maintenance vendor/contract | Sun 10/31/99 | Sun 10/31/99 | | | | | | | | | | | | | | | | | |
| 30 | D19 (T11) HMIS Maintenance Plan | Mon 7/31/00 | Mon 7/31/00 | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | |
| 32 | Management and Reporting | Tue 7/1/97 | Sun 7/1/01 | | | | | | | | | | | | | | | | | |
| 61 | | | | | | | | | | | | | | | | | | | | |
| 62 | Implement HMIS | Tue 9/1/98 | Fri 7/27/01 | | | | | | | | | | | | | | | | | |
| 63 | Review CCO procedures to VISTA functionality | Tue 1/11/00 | Tue 1/11/00 | %100 | | | | | | | | | | | | | | | | |
| 64 | D2 (T2) Revisions to Existing Departmental Operations a | Wed 1/12/00 | Wed 1/12/00 | ◆ 1/12 | | | | | | | | | | | | | | | | |
| 65 | D8 (T6) Final HMIS Installation Plan | Tue 2/1/00 | Tue 2/1/00 | ◆ 2/1 | | | | | | | | | | | | | | | | |
| 66 | D11 (T8) HMIS Test Plan | Wed 3/1/00 | Wed 3/1/00 | ◆ 3/1 | | | | | | | | | | | | | | | | |
| 67 | Implement PCS | Tue 9/1/98 | Wed 7/25/01 | | | | | | | | | | | | | | | | | |
| 68 | System Administration including Fileman, Kernel | Tue 9/1/98 | Fri 4/23/99 | | | | | | | | | | | | | | | | | |
| 69 | Analysis | Tue 9/1/98 | Mon 12/21/98 | | | | | | | | | | | | | | | | | |
| 70 | Customize | Mon 12/21/98 | Fri 4/9/99 | | | | | | | | | | | | | | | | | |
| 71 | Arabize | Mon 3/29/99 | Fri 4/23/99 | | | | | | | | | | | | | | | | | |
| 72 | Patient Identification, A/D/T and Scheduling | Mon 4/12/99 | Mon 3/27/00 | | | | | | | | | | | | | | | | | |
| 73 | Analysis | Mon 4/12/99 | Fri 7/2/99 | | | | | | | | | | | | | | | | | |
| 74 | Customize | Thu 7/1/99 | Wed 9/22/99 | | | | | | | | | | | | | | | | | |
| 75 | Arabize | Thu 9/9/99 | Wed 10/6/99 | | | | | | | | | | | | | | | | | |
| 76 | D4-2 (T4) Functional Design Document | Thu 3/16/00 | Thu 3/16/00 | ◆ 3/16 | | | | | | | | | | | | | | | | |
| 77 | D5-2 (T5) Detailed Design Document | Thu 3/16/00 | Thu 3/16/00 | ◆ 3/16 | | | | | | | | | | | | | | | | |
| 78 | Write training materials | Thu 9/23/99 | Mon 3/27/00 | %100 | | | | | | | | | | | | | | | | |
| 79 | Write user documents | Thu 9/23/99 | Mon 3/27/00 | %100 | | | | | | | | | | | | | | | | |
| 80 | (D13-2 (T9) End User and Management Docum | Mon 3/27/00 | Mon 3/27/00 | ◆ 3/27 | | | | | | | | | | | | | | | | |

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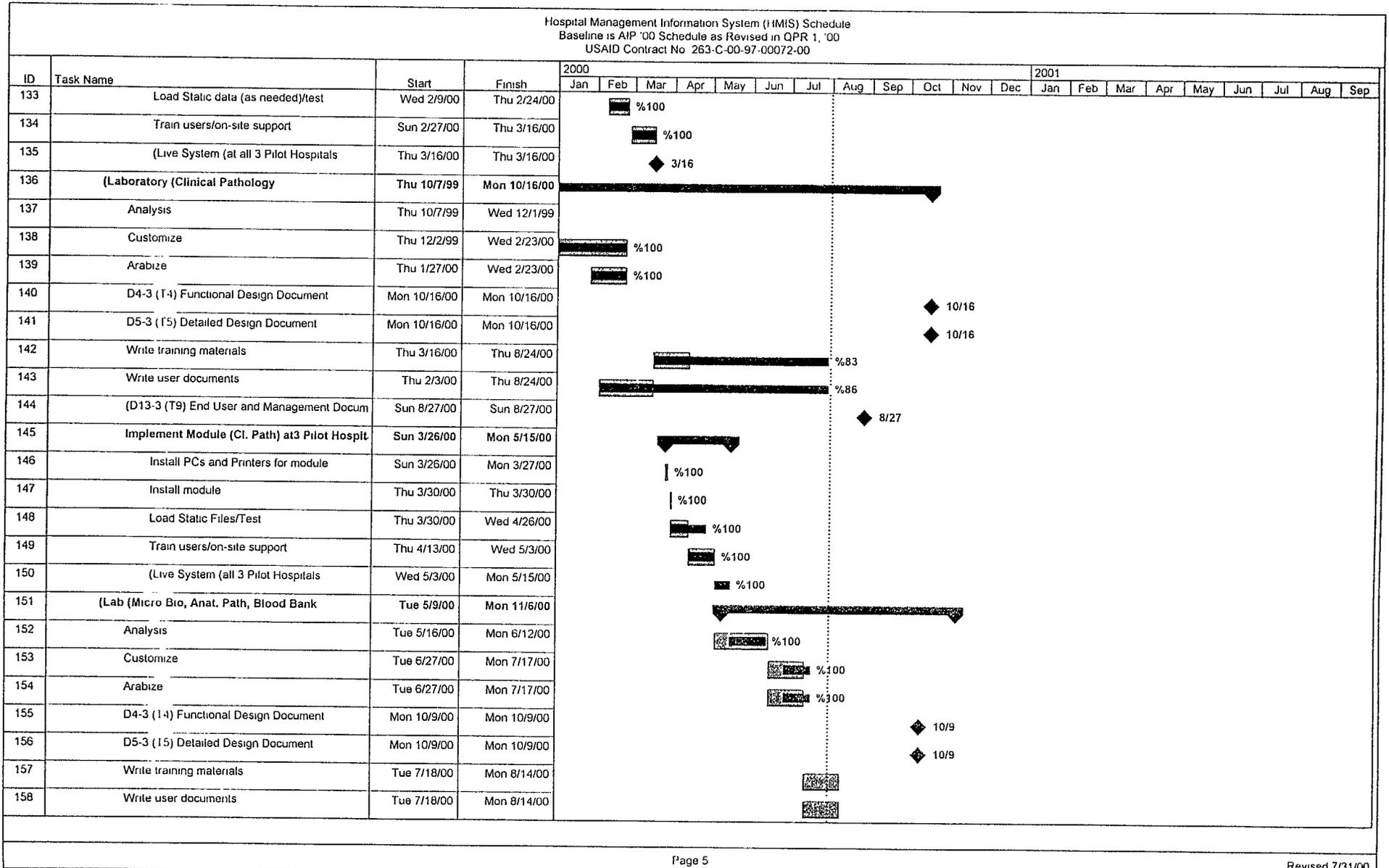
PROJECT STATUS SUMMARY

| | | Hospital Management Information System (HMIS) Schedule Baseline is AIP '00 Schedule as Revised in QPR 1, '00 USAID Contract No 263-C-00-97-00072-00 | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|--|---|--------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| ID | Task Name | Start | Finish | 2000 | | | | | | | | | | | | 2001 | | | | | | | | | | | |
| | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | | | |
| 81 | Implement Module at El Hial | Sun 8/1/99 | Mon 12/6/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | Install PCs and Printers for module | Sun 8/1/99 | Thu 9/23/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | Install module | Sun 9/26/99 | Sun 9/26/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | (Convert existing data (as needed | Mon 9/27/99 | Sun 10/3/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | Train users/on-site support | Mon 10/4/99 | Sun 10/10/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | Test module/correct deficiencies | Mon 10/11/99 | Sun 11/21/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | Test Complete/Live System | Sun 11/21/99 | Mon 12/6/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | Implement Module at Dar el Sheifa | Mon 11/22/99 | Thu 1/6/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | Install PCs and Printers for module | Mon 11/22/99 | Tue 11/23/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | Install module | Wed 11/24/99 | Wed 11/24/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | (Convert existing data (as needed | Thu 11/25/99 | Wed 12/1/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | Train users/on-site support | Thu 12/2/99 | Wed 12/22/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | Live System | Wed 12/22/99 | Thu 1/6/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | Implement Module at Heliopolis | Sun 1/9/00 | Tue 2/8/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | Install PCs and Printers for module | Sun 1/9/00 | Mon 1/10/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | Install module | Tue 1/11/00 | Tue 1/11/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | (Convert existing data (as needed | Wed 1/12/00 | Tue 1/18/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | Train users/on-site support | Wed 1/19/00 | Tue 2/8/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | Live System | Tue 2/8/00 | Tue 2/8/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | (Implement ADT at Naser Institute (temporar | Thu 10/7/99 | Mon 10/25/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 101 | Install PCs and Printers for module | Thu 10/7/99 | Sun 10/10/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 102 | Install module | Mon 10/11/99 | Mon 10/11/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 103 | (Convert existing data (as needed | Tue 10/12/99 | Mon 10/18/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 104 | Train users/on-site support | Tue 10/19/99 | Mon 10/25/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 105 | Live System | Mon 10/25/99 | Mon 10/25/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 106 | Engineering, Plant Operations, Maintenance and | Thu 7/1/99 | Thu 8/31/00 | | | | | | | | | | | | | | | | | | | | | | | | |

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PROJECT STATUS SUMMARY



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PROJECT STATUS SUMMARY

Hospital Management Information System (HMIS) Schedule
Baseline is AIP '00 Schedule as Revised in QPR 1, '00
USAID Contract No 263-C-00-97-00072-00

| ID | Task Name | Start | Finish | 2000 | | | | | | | | | | | | 2001 | | | | | | | | |
|-----|--|--------------|-------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| 393 | Analysis | Mon 2/1/99 | Fri 6/18/99 | | | | | | | | | | | | | | | | | | | | | |
| 394 | D4-16 (T4) Functional Design Document | Wed 6/16/99 | Wed 6/16/99 | | | | | | | | | | | | | | | | | | | | | |
| 395 | D5-16 (T5) Detailed Design Document | Fri 6/18/99 | Fri 6/18/99 | | | | | | | | | | | | | | | | | | | | | |
| 396 | Build module | Mon 6/21/99 | Sun 11/7/99 | | | | | | | | | | | | | | | | | | | | | |
| 397 | Write training materials | Mon 10/25/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | | | |
| 398 | Write user documents | Mon 10/25/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | | | |
| 399 | (D13-16 (T9) End User and Management I | Sun 12/5/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | | | |
| 400 | Accounts Payable | Mon 2/1/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | | | |
| 401 | Analysis | Mon 2/1/99 | Fri 6/18/99 | | | | | | | | | | | | | | | | | | | | | |
| 402 | D4-17 (T4) Functional Design Document | Wed 6/16/99 | Wed 6/16/99 | | | | | | | | | | | | | | | | | | | | | |
| 403 | D5-17 (T5) Detailed Design Document | Fri 6/18/99 | Fri 6/18/99 | | | | | | | | | | | | | | | | | | | | | |
| 404 | Build module | Mon 6/21/99 | Sun 11/7/99 | | | | | | | | | | | | | | | | | | | | | |
| 405 | Write training materials | Mon 10/25/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | | | |
| 406 | Write user documents | Mon 10/25/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | | | |
| 407 | (D13-17 (T9) End User and Management I | Sun 12/5/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | | | |
| 408 | Payroll | Mon 2/1/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | | | |
| 409 | Analysis | Mon 2/1/99 | Fri 6/18/99 | | | | | | | | | | | | | | | | | | | | | |
| 410 | D4-18 (T4) Functional Design Document | Wed 6/16/99 | Wed 6/16/99 | | | | | | | | | | | | | | | | | | | | | |
| 411 | D5-18 (T5) Detailed Design Document | Fri 6/18/99 | Fri 6/18/99 | | | | | | | | | | | | | | | | | | | | | |
| 412 | Build module | Mon 6/21/99 | Sun 11/7/99 | | | | | | | | | | | | | | | | | | | | | |
| 413 | Write training materials | Mon 10/25/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | | | |
| 414 | Write user documents | Mon 10/25/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | | | |
| 415 | (D13-18 (T9) End User and Management I | Sun 12/5/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | | | |
| 416 | Personnel | Mon 2/1/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | | | |
| 417 | Analysis | Mon 2/1/99 | Fri 6/18/99 | | | | | | | | | | | | | | | | | | | | | |
| 418 | D4-19 (T4) Functional Design Document | Wed 6/16/99 | Wed 6/16/99 | | | | | | | | | | | | | | | | | | | | | |

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PROJECT STATUS SUMMARY

Hospital Management Information System (HMS) Schedule
Baseline is AIP '00 Schedule as Revised in QPR 1, '00
USAID Contract No 263-C-00-97-00072-00

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| ID | Task Name | Start | Finish | 2000 | | | | | | | | | | | | 2001 | | | | | | |
|-----|--|--------------|--------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|
| | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul |
| 419 | D5-19 (T5) Detailed Design Document | Fri 6/18/99 | Fri 6/18/99 | | | | | | | | | | | | | | | | | | | |
| 420 | Build module | Mon 6/21/99 | Sun 11/7/99 | | | | | | | | | | | | | | | | | | | |
| 421 | Write training materials | Mon 10/25/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | |
| 422 | Write user documents | Mon 10/25/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | |
| 423 | (D13-19 (T9) End User and Management C | Sun 12/5/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | |
| 424 | Inventory | Mon 2/1/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | |
| 425 | Analysis | Mon 2/1/99 | Fri 6/18/99 | | | | | | | | | | | | | | | | | | | |
| 426 | D4-20 (T4) Functional Design Document | Wed 6/16/99 | Wed 6/16/99 | | | | | | | | | | | | | | | | | | | |
| 427 | D5-20 (T5) Detailed Design Document | Fri 6/18/99 | Fri 6/18/99 | | | | | | | | | | | | | | | | | | | |
| 428 | Build module | Mon 6/21/99 | Sun 11/7/99 | | | | | | | | | | | | | | | | | | | |
| 429 | Write training materials | Mon 10/25/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | |
| 430 | Write user documents | Mon 10/25/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | |
| 431 | (D13-20 (T9) End User and Management C | Sun 12/5/99 | Sun 12/5/99 | | | | | | | | | | | | | | | | | | | |
| 432 | Develop Phase II Modules | Fri 6/18/99 | Thu 1/13/00 | | | | | | | | | | | | | | | | | | | |
| 433 | Financial Analysis | Fri 6/18/99 | Thu 1/13/00 | | | | | | | | | | | | | | | | | | | |
| 434 | Analysis | Fri 6/18/99 | Thu 9/9/99 | | | | | | | | | | | | | | | | | | | |
| 435 | D4-21 (T4) Functional Design Document | Thu 9/9/99 | Thu 9/9/99 | | | | | | | | | | | | | | | | | | | |
| 436 | D5-21 (T5) Detailed Design Document | Thu 9/9/99 | Thu 9/9/99 | | | | | | | | | | | | | | | | | | | |
| 437 | Build module | Sun 9/12/99 | Thu 12/2/99 | | | | | | | | | | | | | | | | | | | |
| 438 | Write training materials | Sun 11/21/99 | Thu 12/30/99 | | | | | | | | | | | | | | | | | | | |
| 439 | Write user documents | Sun 11/21/99 | Thu 12/30/99 | | | | | | | | | | | | | | | | | | | |
| 440 | Convert existing data as needed | Sun 1/2/00 | Thu 1/13/00 | | | | | | | | | | | | | | | | | | | |
| 441 | (D13-21 (T9) End User and Management C | Thu 1/13/00 | Thu 1/13/00 | | | | | | | | | | | | | | | | | | | |
| 442 | Purchasing | Fri 6/18/99 | Thu 12/30/99 | | | | | | | | | | | | | | | | | | | |
| 443 | Analysis | Fri 6/18/99 | Thu 9/9/99 | | | | | | | | | | | | | | | | | | | |
| 444 | D4-22 (T4) Functional Design Document | Thu 8/12/99 | Thu 8/12/99 | | | | | | | | | | | | | | | | | | | |

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PROJECT STATUS SUMMARY

| | | Hospital Management Information System (HMIS) Schedule Baseline is AIP '00 Schedule as Revised in QPR 1, '00 USAID Contract No 263-C-00-97-00072-00 | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---|---|--------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|
| ID | Task Name | Start | Finish | 2000 | | | | | | | | | | | | 2001 | | | | | | | | | | | |
| | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | | | |
| 471 | Write training materials | Sun 11/21/99 | Thu 12/16/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 472 | Write user documents | Sun 11/21/99 | Thu 12/16/99 | | | | | | | | | | | | | | | | | | | | | | | | |
| 473 | (D13-25 (T9) End User and Management I | Thu 12/16/99 | Thu 12/16/99 | 2/16 | | | | | | | | | | | | | | | | | | | | | | | |
| 474 | Test all Modules | Sun 4/9/00 | Thu 11/23/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 475 | Test Payroll & Personnel | Sun 5/21/00 | Thu 6/15/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 476 | Test General Ledger & Budgeting | Sun 4/9/00 | Thu 6/15/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 477 | Test AR/Patient Billing | Sun 6/18/00 | Thu 8/10/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 478 | Test Stock Control | Sun 6/18/00 | Thu 7/13/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 479 | Test Fixed Assets | Sun 8/13/00 | Thu 10/5/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 480 | Test Cost Accounting | Sun 7/16/00 | Thu 8/10/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 481 | Test AP/Purchasing | Sun 10/8/00 | Thu 11/2/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 482 | Test Capital Projects | Sun 8/13/00 | Thu 8/31/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 483 | Test Financial Analysis | Sun 11/5/00 | Thu 11/23/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 484 | (Implement Modules at all hosps (NI as possible | Sun 7/30/00 | Thu 5/17/01 | | | | | | | | | | | | | | | | | | | | | | | | |
| 485 | Implement Payroll & Personnel | Sun 7/30/00 | Thu 9/7/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 486 | Implement General Ledger & Budgeting | Sun 9/10/00 | Thu 10/19/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 487 | Implement AR/Patient Billing | Sun 10/22/00 | Thu 11/30/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 488 | Implement Stock Control | Sun 12/3/00 | Thu 12/28/00 | | | | | | | | | | | | | | | | | | | | | | | | |
| 489 | Implement Fixed Assets | Sun 12/31/00 | Thu 1/25/01 | | | | | | | | | | | | | | | | | | | | | | | | |
| 490 | Implement Cost Accounting | Sun 1/28/01 | Thu 2/22/01 | | | | | | | | | | | | | | | | | | | | | | | | |
| 491 | Implement AP/Purchasing | Sun 2/25/01 | Thu 3/22/01 | | | | | | | | | | | | | | | | | | | | | | | | |
| 492 | Implement Capital Projects | Sun 3/25/01 | Thu 4/19/01 | | | | | | | | | | | | | | | | | | | | | | | | |
| 493 | Implement Financial Analysis | Sun 4/22/01 | Thu 5/17/01 | | | | | | | | | | | | | | | | | | | | | | | | |
| 494 | CCO Headquarters | Sun 12/31/00 | Sun 2/4/01 | | | | | | | | | | | | | | | | | | | | | | | | |
| 495 | Install PCs and Printers for module | Sun 12/31/00 | Thu 1/4/01 | | | | | | | | | | | | | | | | | | | | | | | | |
| 496 | Install modules | Sun 1/7/01 | Sun 1/7/01 | | | | | | | | | | | | | | | | | | | | | | | | |

A-18

BE

Appendix B-1
HMIS APPLICATIONS TRAINING DELIVERED DURING THIS QUARTER

| Description | CCO HQ | Heliopolis | Dar El-Shefa | El Helal | Naser Institute | Total |
|--------------------------------|--------|------------|--------------|----------|-----------------|-------|
| Mangers | | | | | | |
| Orientations | - | - | - | - | - | - |
| Basic Skills | - | - | - | - | - | - |
| VISTA Apps. | - | - | - | - | - | - |
| F&MAS Apps. | - | - | - | - | - | - |
| # Classes | - | - | - | - | - | - |
| #Person-Days | - | - | - | - | - | - |
| Application Coordinator | | | | | | |
| Orientations | - | - | - | - | - | - |
| Basic Skills | - | - | - | - | - | - |
| VISTA Apps. | - | - | - | - | - | - |
| F&MAS Apps. | - | - | - | - | - | - |
| # Classes | - | - | - | - | - | - |
| #Person-Days | - | - | - | - | - | - |
| Workstation End User | | | | | | |
| Orientations | - | - | - | - | - | - |
| Basic Skills | - | - | - | 15 | - | 15 |
| VISTA Apps. | - | 32 | 23 | 17 | - | 72 |
| F&MAS Apps. | - | - | - | - | - | - |
| # Classes | - | 8 | 9 | 8 | - | 9 |
| #Person-Days | - | 60 | 45 | 88 | - | 193 |
| Counterparts (Shadows) | | | | | | |
| Orientations | - | - | - | - | - | - |
| Basic Skills | - | - | - | - | - | - |
| VISTA Apps. | - | - | - | - | - | - |
| F&MAS Apps. | - | - | - | - | - | - |
| On Job Training | 1 | 2 | 5 | 5 | 9 | 22 |
| # Classes | - | - | - | - | - | - |
| #Person-Days | 60 | 120 | 209 | 260 | 300 | 949 |
| TOTALS | | | | | | |
| Orientations | - | - | - | - | - | - |
| Basic Skills | - | - | - | - | - | - |
| VISTA Apps. | - | - | - | - | - | - |
| F&MAS Apps. | - | 32 | 21 | 17 | - | 70 |
| On Job Training | 1 | 2 | 5 | 5 | 9 | 22 |
| # Classes | - | 8 | 8 | 8 | - | 8 |
| #Person-Days | 60 | 180 | 254 | 348 | 300 | 1142 |

Appendix B-2
ACTUAL COURSES DELIVERED DURING THIS QUARTER

| Description | # of Trainees | Training Site | Class Duration | Training Material | Start | End | Person/days |
|------------------------------------|---------------|---------------|----------------|-------------------|----------------------|-----------------------|-------------|
| PC Basic Skills | | | | | | | |
| — CCO Headquarters | - | - | - | - | - | - | - |
| — El Helal | 15 | Helal | 5 | Complete | Apr 1 st | Apr 30 th | 75 |
| — Dar El Shefa | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| — Heliopolis | - | - | - | - | - | - | - |
| — Naser | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| VISTA Applications | | | | | | | |
| — ADT | - | - | - | - | - | - | - |
| — Surgery | 7 | CCO HQ | 5 | Complete | Apr 9 th | Apr 13 th | 35 |
| — Surgery — Request | 41 | CCO HQ | 1 | Complete | May 1 st | May 31 st | 41 |
| — Laboratory | 22 | CCO HQ | 5 | Complete | Apr 16 th | May 7 th | 22 |
| — Engineering | 2 | Shefa | 10 | Complete | Apr 10 th | Apr 20 th | 20 |
| FAMAS Applications | | | | | | | |
| On-The-Job Training (Counterparts) | 22 | CCO HQ | Various | Complete | Apr 1 st | June 30 th | 949 |
| Orientations | - | - | - | - | - | - | - |
| TOTAL | | | | | | | 1142 |

Comments

- Total Number of Classes Completed: 9
- Total Number of Different Curricula Delivered: 4
- Total Number of Person-Days of Training Delivered: 1142
- Total Number of Training Sites: 3
- Total Number of End Users who received training: 87
- Total Number of End Users who received On Job training: 2
- Total Number of Counterparts who received on Job training: 22
- Total Number of Persons who received F&MAS training: 0
- Total Number of Persons who received orientation and demonstration: 0

Appendix B-3
HMIS ON-SITE SYSTEMS TRAINING DELIVERED DURING THIS QUARTER
(COUNTERPARTS)

| Description | CCO HQ | Heliopolis | Dar El-Shefa | El Helal | Naser Institute | Total |
|-------------------------|--------|------------|--------------|----------|-----------------|-------|
| Mangers | - | - | - | - | - | - |
| # Classes | - | - | - | - | - | - |
| #Person-Days | - | - | - | - | - | - |
| Application Coordinator | - | - | - | - | - | - |
| # Classes | - | - | - | - | - | - |
| #Person-Days | - | - | - | - | - | - |
| Workstation End User | - | - | - | - | - | - |
| # Classes | - | - | - | - | - | - |
| #Person-Days | - | - | - | - | - | - |
| Counterparts (shadows) | 4 | 2 | 3 | 1 | 5 | 15 |
| # Classes | 3 | 1 | 3 | 3 | 3 | 6 |
| #Person-Days | 102 | 22 | 70 | 39 | 31 | 264 |
| TOTAL | 4 | 2 | 3 | 1 | 5 | 15 |
| # Classes | 3 | 1 | 3 | 3 | 3 | 6 |
| #Person-Days | 102 | 22 | 70 | 39 | 31 | 264 |

Appendix B-4
HMIS ON-SITE SYSTEMS TRAINING DELIVERED DURING THIS QUARTER

| Description | # Trainees | Training Material | Person/Days |
|--|------------|-------------------|-------------|
| Implementation and customization of Engineering | 1 | Complete | 3 |
| Billing replacement system as complementary to A/D/T – VISTA | 3 | Complete | 76 |
| Laboratory Module Customization | 1 | Complete | 45 |
| Surgery Module Customization | 1 | Complete | 54 |
| Radiology | 1 | Complete | 30 |
| HD application | 2 | Complete | 15 |
| System Administration | 15 | Complete | 41 |
| Total | 15 | | 264 |

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Appendix B-5
HMIS OFF-SITE SYSTEMS TRAINING DELIVERED DURING THIS QUARTER
(COUNTERPARTS)

| Description | CCO HQ | Heliopolis | Dar El-Shefa | El Helal | Naser Institute | Total |
|-------------------------|----------|------------|--------------|-----------|-----------------|-----------|
| Mangers | - | - | - | - | - | - |
| # Classes | - | - | - | - | - | - |
| #Person-Days | - | - | - | - | - | - |
| Application Coordinator | - | - | - | - | - | - |
| # Classes | - | - | - | - | - | - |
| #Person-Days | - | - | - | - | - | - |
| Physicians | 1 | - | 1 | 2 | 1 | 5 |
| # Classes | 1 | - | 1 | 1 | 1 | 1 |
| #Person-Days | 2 | - | 2 | 4 | 2 | 10 |
| Workstation End Users | - | - | - | - | - | - |
| # Classes | - | - | - | - | - | - |
| #Person-Days | - | - | - | - | - | - |
| Counterparts (shadows) | 7 | 6 | 8 | 11 | 9 | 41 |
| # Classes | 7 | 7 | 7 | 7 | 7 | 7 |
| #Person-Days | 79 | 120 | 66 | 88 | 115 | 468 |
| TOTAL | 8 | 6 | 9 | 13 | 10 | 46 |
| # Classes | 7 | 7 | 7 | 7 | 7 | 7 |
| #Person-Days | 81 | 120 | 68 | 92 | 117 | 478 |

APPENDIX C: DISTRIBUTION LIST

| | |
|---|--------------|
| MAXIMUS Home Office | One Copy |
| Cairo Curative Organization | Three Copies |
| Naser Institute | Two Copies |
| Directorate of Policy, Center for Development Information and Evaluation, Office of Development Information | Two Copies |
| United States Agency for International Development (USAID) | Three Copies |