

**JUSTIFICATION FOR NON-COMPETITIVE PROCUREMENT**

**COMPLETE THIS SECTION IF NEW CONTRACT**

For contract(s) in this request, answer applicable questions in each of the 4 major subject areas below in accordance with the Instructions for Preparation of Non-Competitive Procurement Form on the reverse side.

Request that negotiations be conducted only with CERNER for the product and/or services described herein.  
(Name of Person or Firm)

This is a request for \_\_\_\_\_ (One-Time Contractor Requisition # 36049, copy attached) or \_\_\_\_\_ Term Agreement or \_\_\_\_\_ Delegate Agency (Check one). If Delegate Agency, this request is for "blanket approval" of all contracts within the CHICAGO DEPT. OF PUBLIC HEALTH (Attach List) Pre-Assigned Specification No. \_\_\_\_\_  
(Program Name) Pre-Assigned Contract No. \_\_\_\_\_

**COMPLETE THIS SECTION IF AMENDMENT OR MODIFICATION TO CONTRACT**

Describe in detail the change in terms of dollars, time period, scope of services, etc., its relationship to the original contract and the specific reasons for the change. Indicate both the original and the adjusted contract amount and/or expiration date with this change, as applicable. Attach copy of all supporting documents. Request approval for a contract amendment or modification to the following:

Contract #: \_\_\_\_\_ Company or Agency Name: \_\_\_\_\_  
 Specification #: \_\_\_\_\_ Contract or Program Description: \_\_\_\_\_  
 Mod. #: \_\_\_\_\_ (Attach List, if multiple)

RICIARD W. RZESUTKO 312-795-3504 *Richard Rzesutko* Public Health 11/21/07  
Originator Name Telephone Signature Department Date

Indicate SEE ATTACHED in each box below if additional space needed:

<input type="checkbox"/> PROCUREMENT HISTORY	<u>NA</u>
<input checked="" type="checkbox"/> ESTIMATED COST	<u>ATTACHED</u> <b>S. S. R. B.</b> <u>DATE 11/28/7</u> <u>APPROVED 4-0</u>
<input checked="" type="checkbox"/> SCHEDULE REQUIREMENTS	<u>ATTACHED</u> <b>CONDITIONALLY APPROVED...</b>
<input checked="" type="checkbox"/> EXCLUSIVE OR UNIQUE CAPABILITY	<u>ATTACHED</u> <b>APPROVED...</b>
<input type="checkbox"/> OTHER	

APPROVED BY: *Al M. Carr* 11/27/07 *[Signature]* 11/28/7  
DEPARTMENT HEAD OR DESIGNEE DATE BOARD CHAIRPERSON DATE

# DPS PROJECT CHECKLIST

### For DPS Use Only

Date Received \_\_\_\_\_  
 Date Returned \_\_\_\_\_  
 Date Accepted \_\_\_\_\_  
 CAC/N's Name \_\_\_\_\_

**IMPORTANT:** PLEASE READ AND FOLLOW THE INSTRUCTIONS FOR COMPLETING THE PROJECT CHECKLIST AND CONTACT THE APPROPRIATE UNIT MANAGER IF YOU HAVE ANY FURTHER QUESTIONS. ALL INFORMATION SHOULD BE COMPLETED, ATTACH ALL REQUIRED MATERIALS AND SUBMIT FOR HANDLING TO THE DEPARTMENT OF PROCUREMENT SERVICES, ROOM 403, CITY HALL, 121 N. LASALLE STREET, CHICAGO, ILLINOIS 60602.

### GENERAL INFORMATION:

Date: November 19, 2007

Contact Person: **R.RZESZUTKO**

Tel: 5-3504

Fax: \_\_\_\_\_

E-mail: rzeszutko\_richard@cdph.org

REQ #: 36049

Specification #: 61936

Project Manager: **CARLO GOVIA**

Tel: 7-9889

Fax: \_\_\_\_\_

E-mail: govio\_carlo@cdph.org

PO #: (if known): \_\_\_\_\_

Modification #: (if known) \_\_\_\_\_

Previous PO(s)#: (if known) \_\_\_\_\_

**Project Description: SOLE SOURCE CONTRACT WITH CERNER FOR REPLACEMENT OF X-RAY SYSTEMS AT 7 CDPH HEALTH CENTERS.**

### FUNDING:

City:  Corporate  Bond  Enterprise  Grant\*  Other  
 State:  IDOT/Transit  IDOT/Highway  Grant\*  Other  
 Federal:  FHWA  FTA  FAA  Grant\*  Other

LINE	FY	FUND	DEPT	ORGN	APPR	ACTV	OBJT	PROJECT	RPTG	\$ DOLLAR AMOUNT
1	007	0045	41	0413045	0140	220140			07DM80	628,363.00

Estimated Value \$628,363.00

\* IF GRANT FUNDED, A COPY OF THE APPROVED GRANT AND APPLICATION ARE REQUIRED and any other Terms and Conditions that may apply.

### SCOPE STATEMENT

Attached are a **Detailed Scope of Services** and/or **Specification(s)**.

**IMPORTANT:** THIS IS A CRITICAL PORTION OF YOUR SUBMITTAL. IN ORDER FOR DPS TO ACCEPT YOUR SUBMITTAL YOU MUST COMPLETE THE SPECIFIC SCOPE REQUIREMENTS AS SET FORTH IN THE SUPPLEMENTAL CHECKLIST FOR THAT UNIT.

The following is a general description of what should be included in a **Scope of Services or Specification**:

A clear description of all anticipated services and products, include: timeframe for completion, special qualifications of prospective vendors, special requirements or needs of the project, locations, anticipated participating user departments, citation of any applicable City ordinance or state/federal regulation or statute.

### TYPE OF PROCUREMENT REQUESTED (check all that apply)

#### NEW REQUEST

- Blanket Agreement  
 Standard Agreement  
 Small Orders

#### MOD/AMENDMENT

- Time Extension  
 Vendor Limit Increase  
 Scope Change/Price Increase/Additional Line Item(s)  
 Other (specify): \_\_\_\_\_

FORMS:  Requisition  Special Approvals  Non-Competitive Review Board (NCRB)

CONTRACT TERM: Requested Term (number of months): \_\_\_\_\_ Months

# DPS PROJECT CHECKLIST

## PRE BID/SUBMITTAL REQUIREMENTS:

Requesting Pre Bid/Submittal Conference?  Yes  No Requesting Site Visit?  Yes  No

## ARCHITECTURAL/ENGINEERING SUPPLEMENTAL CHECKLIST

**Required Attachment:** Scope of Services, including location, description of project, services required, deliverables, and other information as required.

### Risk Management

Will services be performed within 50 feet of CTA train or other railroad property?  Yes  No

Will services be performed on or near a waterway?  Yes  No

**If applicable, Pre-Qualification** Category #: \_\_\_\_\_ Category Description: \_\_\_\_\_

For Pre-Qualification Program, attach list of suggested firms to be solicited

**Other Agency concurrence Required:**  None  State  Federal  Other (fill in)

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## AVIATION CONSTRUCTION SUPPLEMENTAL CHECKLIST

DOA sign-off for final design documents:  Yes  No

### Required Attachments:

Copy of Draft Contract Documents and Detailed Specifications.

### Risk Management:

Current Insurance Requirements prepared/approved by Risk Management:  Yes  No

Will work be performed within 50 feet of CTA or ATS structure or property?  Yes  No

Will work be performed airside?  Yes  No

**\*NOTE:** Any non-construction Aviation request, complete the applicable section.

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## COMMODITIES SUPPLEMENTAL CHECKLIST

**Required Attachments:** Detailed Specifications (Scope of Services) including description of the product, delivery location, user department contract, price escalation considerations, Bidder's qualification, contract term and extension options, Contractor's qualifications, citation of any applicable City/State/Federal statutes or regulations, citation of any applicable technical standards and Price Lists/Catalogs, technical drawings and other exhibits and attachments as appropriate.

**If Modification request,** please verify and provide the following:

Contractor's Name: CERNER

Contractor's Address:

Contractor's E-mail Address: jgoodwin@cerner.com

Contractor's Phone Number: 816-208-4116

Contractor's Contact Person: JOHN GOODWIN

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## CONSTRUCTION SUPPLEMENTAL CHECKLIST

### Required attachments:

Copy of Draft (80% Completion), Contract Documents and Detailed Specifications

### Risk Management

Will services be performed within 50 feet of CTA train or other railroad property?  Yes  No

Will services be performed on or near a waterway?  Yes  No



# DPS PROJECT CHECKLIST

## WORK SERVICES/FACILITY MAINTENANCE SUPPLEMENTAL CHECKLIST

**Required Attachments:** Detailed Specifications (Scope of Services) including detailed description of the work, locations (with supporting detailed), user department contacts, work hours/days, laborer/supervisor mix, compensation and price escalation considerations, Bidder's qualification, contract term and extension options, Contractor's qualifications, citation of any applicable City/State/Federal statutes or regulations, citation of any applicable technical standards and Price Lists/Catalogs, technical drawings and other exhibits and attachments as appropriate.

**Risk Management:**

Will services be performed within 50 feet (50') of CTA train or other railroad property?  Yes  No

Will services be performed on or near a waterway?  Yes  No

Will services require the handling of hazardous/bio-waste material?  Yes  No

Will services require the blocking of streets or sidewalks which may affect public safety?  Yes  No

**If Modification or Amendment request**, please verify and provide the following:

Contractor's Name:

Contractor's Address:

Contractor's E-mail Address:

Contractor's Phone Number:

Contractor's Contact Person



City of Chicago  
Richard M. Daley, Mayor

Department of Public Health

Terry Mason, M.D., F.A.C.S.  
Commissioner

333 South State Street  
Chicago, Illinois 60604  
(312) 747-9884

(312) 747-9888 (24 hours)

<http://www.cityofchicago.org/health>

## Cerner RIS/PACS

There is significant advantage to utilizing current CHAMPS system as the foundation for RIS/PACS information management and image delivery. In summary, RIS/PACS will leverage the prior financial and operational investments made in CHAMPS solution. The integration of the two systems occurs without the need to build and manage additional interfaces.

### Financial Savings:

- Runs on the same Hardware currently in place for CHAMPS
- Fewer Professional Service fees are required because the same build foundation that was created for the CHAMPS project will be utilized for RIS/PACS
- Eliminates the need for additional interface licensing and technical support. RIS/PACS will utilize the same database as CHAMPS
- Eliminates the need to hire additional interface personnel to support and maintain interfaces between Cerner and a non-Cerner system

### Operational Efficiencies:

- Training is streamlined because end users will interaction is intuitive. The RIS/PACS 'looks and feels' very similar to CHAMPS
- Single point of support for all system issues (one number, one organization) for CHAMPS and RIS/PACS

### Patient Safety Benefits:

- The system access permits physicians to view PACS images directly from CHAMPS without the need for interfaces
- Patients information collected will be available for clinician and/or billing review – one medical record.



## **Sole Source Lagunage**

Unique features (i.e. special functionality) of the requested product(s) or vendor:

- (1) The requested product or services perform a significant function or provide a service for which no other product or source of services exists;
- (2) Agency/institution has a business need for these unique functions of services; and
- (3) There are no other parties who could provide the product or services.

## **Unique Features for Cerner RIS/PACS Defense**

RIS/PACS System:

### **1. Mission critical infrastructure**

- Infrastructure including the CHAMPS (Chicago Health Accounting and Medical Practice System) that is already built for the implementation of CDPH Center operations. This includes the Core Fundamentals of the database; security and access; System Monitoring, and all master data files including Payors, Employers, Eligibility, Medical Records.
- RIS/PACS will leverage the prior financial and operational investments made for the CHAMPS solution today without the need to incur the expense and the resource to create and maintain additionally system to system interfaces.
- Data center hosting, operational management and contractual service performance level commitments from the current master agreement are in common with those for CHAMPS, significantly reducing the need for additional CDPH technical training.
- The Network and bandwidth already configured to support CHAMPS production capabilities of the clinic operations will be used to review radiology consult reports and with minimal changes (i.e., earmarked devices) are the same.
- Leverages the CHAMPS support structure to provide mission critical help desk functions

### **2. Integrated data model**

- CHAMPS data drives the integrated radiology system, which leverages the same core systems application build and functionality, eliminating the need to re-build or re-collect the same information.
- Integrated Radiologist reporting applications are included without interfaces supporting paperless operations.
- ProVision Web allows CDPH authorized physicians to view images stored in CHAMPS. This is the only vendor software solution that allows physicians to directly view images within the context of the patient without the development and management of additional interfaces.
- Acquisition of CR images for mammography and general x-ray will be provided by FDA approved readers from FUJIFILM Medical Systems. CR images populate RIS, PACS and ProVision Web systems

### **3. One patient record is utilized for all CDPH staff and patients**

- RIS/PACS will utilize the history of patient orders and results embedded within CHAMPS today

- Leverages wellness schedules (example mammography) during the clinician visits to inform patient/client of wellness and screening needs.
- 4. Leverage commercially available solution**
  - Quicker responses to impending regulatory changes
  - Reduced outlay of operating cash
  - System reliability and SLA
- 5. End user interface**
  - Streamlined end user training and operations due to the fact that end users will be utilizing a common front end for CHAMPS and RIS/PACS
- 6. Integration and Real Time Availability**
  - Cerner Electronic Health Record (EHR) information is immediately available to Radiology Technologist when the CDPH provider places the order, eliminating the need for paper referrals for CDPH patients
  - Full integration with EHR – no additional interface requirements
  - Results and patient compliance with provider instructions is immediately knowable to the CDPH physician of record. The ordering information and results are stored in the patient EHR and readily available for current or historical viewing and trending.
  - Ability to leverage existing data warehouse and mine (evaluate) data to enable reporting (ex.: grant matching criteria and population selection)



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PROJECT AGREEMENT  
ATTACHMENT A – SOLUTION IMPLEMENTATION SCOPE DEFINITION



GO-LIVE SOFTWARE VERSION - FOR THE PURPOSES OF THIS PROJECT IMPLEMENTATION, CLIENT WILL CONVERT THOSE SOLUTIONS

**FOUNDATIONS**

<b>CORE</b>	
<p>Foundations refer to Cerner's definition of those common processes or tasks that are shared across clinical and administrative domains and applications, technical areas, and project or production tasks. Foundations are included in all major Cerner licensed software.</p>	
<b>Personnel</b>	<ul style="list-style-type: none"> <li>All personnel will be added as users for the areas being automated</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>Security Profiles from within the START Content will be utilized. The following is a detailed list of the positions included in START:                             <ul style="list-style-type: none"> <li>Up to 9 Radiology positions (Diagnostic Imaging Users)                                     <ul style="list-style-type: none"> <li>Service Resource Security for RadNet implementations only</li> <li>Radiology users will be assigned access to all service resources within their primary physical working location</li> </ul> </li> </ul> </li> <li>If a solution is not in scope for the implementation, the positions allocated above for that solution CANNOT be reused for the 'in scope' solutions. If additional positions are required, this will require additional professional services and fees</li> <li>Additional detailed service resource security can be implemented for additional professional services and fees</li> </ul>
<b>Standard Code Sets</b>	<ul style="list-style-type: none"> <li>Standard scope supports Cerner's START Content (e.g., standard hospital service)</li> <li>Values not in START or in current use may be added</li> </ul>
<b>Standard Reports &amp; Audits</b>	<ul style="list-style-type: none"> <li>Standard scope supports any reports from the Standard Reports Library accessed at Cerner.com</li> </ul>
<b>CMT™ (Controlled Medical Terminology)</b>	<ul style="list-style-type: none"> <li>START Content includes the most recent reference and medical vocabulary</li> <li>Standard scope supports yearly update files for currently available terminologies</li> </ul>
<b>Interfaced Code Set Aliasing</b>	<ul style="list-style-type: none"> <li>Build inbound and outbound aliases from Client input on a data collection worksheet detailing the necessary translations per data element (HL7 segment) per interface</li> </ul>
<b>Organizations</b>	<ul style="list-style-type: none"> <li>Standard scope supports the build of all Client Organizations based on the areas being automated and can include the following:                             <ul style="list-style-type: none"> <li>Employers</li> <li>Hospitals</li> <li>Insurance Companies/Health Plans</li> <li>Physician Practices, Clinics or Health Centers</li> <li>References Labs</li> <li>Pharmacies</li> </ul> </li> </ul>
<b>Locations</b>	<ul style="list-style-type: none"> <li>Standard scope supports the build of all Locations based on areas being automated and can include the following:                             <ul style="list-style-type: none"> <li>Nursing Stations</li> <li>Rooms</li> <li>Beds</li> <li>Internal department locations as required by solutions being implemented</li> <li>Ambulatory locations</li> <li>Exam Rooms for patient tracking locations</li> <li>Services Areas</li> <li>Inventory locations</li> </ul> </li> </ul>
<b>Alias Pools</b>	<ul style="list-style-type: none"> <li>Standard scope supports the build of Alias Pools as appropriate based on areas being automated. These may include the community medical record number,</li> </ul>

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	<p>medical record number, social security number, visit number, financial number, personnel identifiers, and orders identifiers</p>
<b>Provider Groups</b>	<ul style="list-style-type: none"> <li>Standard scope supports the build of 30 provider groups. This can include clinic/physician office groups and acute care groups (i.e. Attending physicians)</li> </ul>
<b>Event Codes and Event Sets</b>	<ul style="list-style-type: none"> <li>All Event Codes and Event Sets as provided in START will be utilized based on solution scope, including Event Codes from the Microbiology Order Catalog, Anatomic Pathology Order Catalog, Radiology Order Catalog, and Laboratory Discrete Task Assays. This includes implementations using these event codes through a Cerner Millennium solution or an interface</li> <li>Medications including Immunizations for both acute care and ambulatory settings</li> <li>Nursing/PowerForm documentation</li> </ul>
<b>General Document Event Codes</b>	<ul style="list-style-type: none"> <li>All document types as provided in START will be utilized</li> </ul>
<b>Basic Registration</b>	<ul style="list-style-type: none"> <li>Standard scope supports use of Cerner's Patient Management HNA Registration conversations from the START Content. The Client can choose one customized design of one of the following conversations: <ul style="list-style-type: none"> <li>PMHNAReg (add/modify/view persons and encounters, full registration)</li> <li>PMCoreReg (add/modify/view persons and encounters, limited registration)</li> <li>PMCoreReg Person (add/modify person) Rules that can be instituted within the registration conversations are not considered to be in scope. Rules that can be instituted within the registration conversations are not considered to be in scope. If the Client wishes to institute rules with the conversations listed above, additional professional services and fees are required</li> </ul> </li> <li>Interfield Rules – includes only those rules included in the standard library. Custom rules can be implemented for additional professional services and fees</li> </ul>
<b>Preferences</b>	<ul style="list-style-type: none"> <li>Standard preferences as appropriate for the Client organization based on solution scope can include any or all of the following: <ul style="list-style-type: none"> <li>Message Center</li> <li>Rounds List</li> <li>Patient List</li> <li>Schedule</li> <li>Clinical Notes</li> <li>Result Flowsheets (See PowerChart scope for complete list)</li> <li>Problem List</li> <li>Allergy Profile</li> <li>Medications Profile</li> <li>Immunizations</li> <li>Encounter History</li> <li>Forms Browser</li> </ul> </li> </ul>
<b>CHARGE SERVICES</b>	
<b>Charge Capture</b>	<ul style="list-style-type: none"> <li>Standard scope supports charge capture for the following: <ul style="list-style-type: none"> <li>Add-on Charges</li> <li>Batch Charge Entry</li> <li>Miscellaneous Charges</li> <li>Manual Charges</li> <li>CPT4 Codes for Advance Beneficiary Notice (ABN Checking)</li> <li>Orders and tasks with multiple trigger points for the charge</li> </ul> </li> <li>Radiology: <ul style="list-style-type: none"> <li>Charge capture at exam completion for the following: <ul style="list-style-type: none"> <li>Technical component</li> <li>Bill Only items</li> <li>Option to hold technical fees until exam is electronically signed</li> </ul> </li> </ul> </li> </ul>
<b>Bill Code Schedules and Tiers</b>	<ul style="list-style-type: none"> <li>Cerner supports the addition of bill code schedules and price schedules per orderable selecting from: <ul style="list-style-type: none"> <li>CDM Schedule per facility</li> </ul> </li> </ul>

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	<ul style="list-style-type: none"> <li>• CPT4 Codes (license required)</li> <li>• CPT4 Modifiers</li> <li>• ICD9 Codes</li> <li>• HCPCS when ProFit is implemented in same phase</li> <li>• Revenue Codes when ProFit is implemented in same phase</li> <li>• Adding schedules (bill codes and prices) against Cerner recommendations for the site will require additional professional services and fees</li> <li>• Charge Suspense Logic:             <ul style="list-style-type: none"> <li>• 1 Tier per facility for Technical Charges to include technical component charge capture only</li> <li>• Cost Centers will be included in tiering logic if required by foreign billing system</li> <li>• If ProFit is not being implemented, the current foreign billing system must be utilized for professional billing for Anatomic Pathology, Radiology, and/or Emergency Department. Implementing professional fees without ProFit will require additional professional services and fees, including additional tier groups per facility, interface files, and bill codes/price schedules</li> </ul> </li> </ul>
<b>Billing File</b>	<ul style="list-style-type: none"> <li>• Standard Scope supports creation of 1 billing file with all charges</li> <li>• File delivery to Client's billing system is Client responsibility</li> </ul>
<b>CLINICAL REPORTING</b>	
<p>Clinical Reporting is Cerner's solution for initiating and processing clinical reports. A clinical report (chart) is a document containing patient demographic and clinical result information. Clinical Reporting draws information entered throughout Cerner Millennium to print on reports generated by manual and automated processes.</p>	
<p><b>Clinical Reporting chart sections currently support the following content:</b></p>	
<ul style="list-style-type: none"> <li>• Discrete data such as General Lab results, Helix, and Direct Charting (including Interactive View) print in the following chart sections: Vertical, Vertical Flowsheet, Vertical Enhanced Layout, Horizontal, Horizontal Flowsheet, Horizontal Enhanced Layout, and Zonal.</li> <li>• Additional departmental chart sections include: Laboratory Text, Blood Bank Crossmatch and Transfusion Summary (Flex), Microbiology, Anatomic Pathology, HLA (Human Leukocyte Antigen), and Radiology.</li> <li>• Patient Care content uses the following chart sections: Document chart sections (Clinical Notes, Power Notes, and Scanned documents – both Encounter and Person Level documents and SurgiNet). PowerForms, Medication Administration Record, Intake and Output, Medication Profile Historical, Immunization, Allergy List, Problem List, Procedure History, Care Plan, Health Maintenance (Pending, Pending Next, Satisfied, Satisfied All).</li> <li>• Other specific chart sections include: Orders, Order Summary, Name History, Encounter Comment, and Cross Encounter Summary and Endorse Comment.</li> </ul>	
<p><b>Clinical Reporting does NOT currently support the following chart section content:</b></p>	
<p>Pediatric Growth Chart, Diagnosis, SurgiNet Anesthesia, and Done/Not Done Charted Tasks</p>	
<b>Chart Formats</b>	<ul style="list-style-type: none"> <li>• Radiology (Diagnostic Imaging):             <ul style="list-style-type: none"> <li>• 2 Formats-PB may be able to do just</li> </ul> </li> <li>• For multiple solution implementations, the total number of chart formats should be reflective of the solutions being implemented. There will be zero additional chart formats for additional facilities as the chart formats above should be standard across all facilities</li> </ul>
<b>Chart Distributions</b>	<ul style="list-style-type: none"> <li>• Radiology (Diagnostic Imaging) Distributions:             <ul style="list-style-type: none"> <li>• 1 Outpatient Physician Copy</li> <li>• 1 Professional Billing Office Copy</li> <li>• 1 Additional Distribution</li> </ul> </li> </ul>
<b>Expedite Clinical Reporting</b>	<ul style="list-style-type: none"> <li>• Radiology Imaging Distributions:             <ul style="list-style-type: none"> <li>• Up to 2 total expedites</li> </ul> </li> </ul>
<b>PRINTERS &amp; REMOTE REPORT DISTRIBUTION</b>	
<b>Printer Definitions</b>	<ul style="list-style-type: none"> <li>• Includes up to 150 printers per facility. For solution specific scope, refer to the solution/functional area within the current scope document</li> <li>• Client can create additional printers without Cerner assistance as needed in collaboration with the Cerner team as it relates to scope</li> </ul>

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<b>Remote Report Distribution</b>	<ul style="list-style-type: none"> <li>Includes up to 200 fax locations</li> <li>200 device cross references</li> <li>1 time schemes</li> <li>Client can create additional fax locations, cross references, and time schemes without Cerner assistance as needed in collaboration with the Cerner team as it relates to scope</li> </ul>
<b>DISCERN EXPERT</b>	
Cerner's Discern Expert is event driven and rule based, continuously monitors patients' electronic medical records, reminding clinicians of routine care actions and alerting them when unusual situations arise. The tool uses essential data elements such as patient age, gender, weight, prescribed medications, diagnoses, lab results, clinical studies and standard regimens in conjunction with the industry knowledge it contains to power the decision making process. The rules engine fires alerts to notify clinicians of clinical, financial, or other errors or important information.	
<b>Expert</b>	<ul style="list-style-type: none"> <li>Standard scope supports implementing 5 rules from the Discern Expert Report Library per licensed solution where applicable</li> <li>Collaborative support and transfer of knowledge regarding the principles needed to design and manage alerts</li> <li>This includes designing and managing the altered processes and communication needed for transition to the use of the decision support tools</li> </ul>
<b>DISCERN EXPLORER</b>	
Cerner's Discern Explorer is a full-featured, fourth-generation, and English-like procedural language used to maintain and extract data from both Cerner Health Network Architecture (HNA) and Client-developed databases.	
<b>Explorer</b>	<ul style="list-style-type: none"> <li>Cerner provides Learning Services to instruct the Client on the use of Explorer</li> <li>There are a number of predefined reports that are available to the Client</li> <li>The Discern Expert Report Library can be accessed through Cerner.com</li> </ul>

**MULTIMEDIA FOUNDATION INFORMATION SYSTEM**

<b>MULTIMEDIA FOUNDATION</b>	
Cerner MultiMedia Foundation (MMF) provides a computer-based centralized object repository for DICOM and non-DICOM image objects to facilitate replacement of manual processing and management of an Enterprise's film and paper. The following scope of work represents Cerner work effort to implement 2 servers, 1 workstations at 1 locations, and connect 5 modalities and 0 legacy imaging servers in 1 Phases.	
Rollout of additional nodes or locations beyond those listed will be the responsibility of the Client.	
It is assumed the Client identifies a PACS Administrator and Trainer for training Clinical staff with the exception of the Radiologists or Cardiologists in which one-on-one training is offered.	
Additional Cerner Support required will result in additional professional services and fees.	
<b>CERNER IMAGING DETAILED SCOPE DESCRIPTION</b>	
<b>ProVIsion MMF Server(s) for Archive Architecture</b>	<ul style="list-style-type: none"> <li>Installation and initial configuration of up to 2 MMF server(s) supporting the archiving of MMF images with lossless compression</li> <li>Initial database sizing and configuration</li> <li>Initial image cache configuration for short term storage and access</li> <li>Initial configuration of long term image storage and access</li> <li>Connection of 5 modalities supporting DICOM store to the MMF archive architecture                             <ul style="list-style-type: none"> <li>All modalities must comply with DICOM_3 standards for image storage to be considered in scope</li> </ul> </li> </ul>
<b>Test Archive</b>	<ul style="list-style-type: none"> <li>Connection of 0 Legacy Imaging servers to the MMF Archive architecture</li> <li>Installation and initial configuration of a Test Archive</li> </ul>
<b>High-Availability</b>	<ul style="list-style-type: none"> <li>Connection of up to 5 modalities to Test Archive</li> <li>Production Server High Availability</li> </ul>

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<p><b>Study Validation</b></p>	<ul style="list-style-type: none"> <li>• Test Server High Availability</li> <li>• Configuration for study validation supporting 5 DICOM modalities</li> <li>• Cerner will perform the initial build for the auto-match criteria</li> <li>• Client is responsible for modifications or additional modalities (add-on's) to the auto-match criteria post conversion</li> <li>• This includes building Exam Management-ProVison Web integration to support Technologist workflow</li> </ul>
<p><b>TSM Backup</b></p>	<ul style="list-style-type: none"> <li>• Production Archive Long term Image Store backup</li> <li>• Refer to the TSM Scope for full scope of service</li> </ul>
<p><b>Workflows</b></p>	<ul style="list-style-type: none"> <li>• Cerner will assist Client with the definition of future state workflows using a common set of best-practice process diagrams</li> <li>• Definition of additional workflows by the Client must not affect project timelines</li> <li>• Configuration of PACS-centric pre-fetching rules (if applicable)</li> </ul>
<p><b>PACS Workstations</b></p>	<ul style="list-style-type: none"> <li>• Installation and initial configuration of 1 Diagnostic Report workstations and 0 Clinical Review workstations</li> <li>• Includes installation of hardware, software, and initial monitor calibration</li> <li>• Default Viewing Protocols are provided</li> <li>• Network Roaming profiles are recommended to propagate the preferences to multiple workstations as changes are made to the radiologist preference both pre- and post-conversion</li> <li>• A primary domain controller with roaming policies and profiles is the responsibility of the Client to implement and manage</li> </ul>
<p><b>RDT/CRDT Integration</b></p>	<ul style="list-style-type: none"> <li>• Cerner will configure each workstation identified in the "PACS Workstation" section, supporting the integration of RadNet RDT with the PACS image viewer application</li> </ul>
<p><b>Mammography Workstation</b></p>	<ul style="list-style-type: none"> <li>• Installation and initial configuration of 1 Mammography workstations</li> <li>• Includes installation of hardware, software, and initial monitor calibration</li> <li>• Network Roaming profiles are recommended to propagate the preferences to multiple workstations as changes are made to the radiologist preference both pre- and post-conversion</li> <li>• A primary domain controller with roaming policies and profiles is the responsibility of the Client to implement and manage</li> <li>• Up to 4 hours total of Mammo functionality training</li> </ul>
<p><b>CD Burner Workstation</b></p>	<ul style="list-style-type: none"> <li>• Installation and initial configuration of 1 CD Burner workstations</li> <li>• Cerner will train Super Users on creating CD's and the basic features of the CD Burner workstation</li> </ul>
<p><b>CERNER PROVISION WEB</b></p>	
<p>Cerner ProVison Web is a web-based, image distribution solution that quickly provides secure access to images stored in MMF via the internet or hospital intranet.</p>	
<p><b>ProVison Web with MMF</b></p>	<ul style="list-style-type: none"> <li>• Cerner ProVison Web resides on the MMF server architecture</li> <li>• The Cerner ProVison Web solution is configurable for either thin or slim environments</li> <li>• Thin configuration involves an existing Citrix environment which should be evaluated for Image Distribution prior to project initiation. Services for potential Citrix environment upgrades are not included in this scope of work. Thin configuration is restricted when Cerner ProVison Web is implemented in a remote hosted option (RHO)</li> <li>• Slim configuration requires viewing images through a web browser and individual PC configurations</li> <li>• Services Scope includes loading PWeb on one Thin and one Slim Client for Test purposes to determine best delivery configuration</li> <li>• Client is responsible for enterprise wide deployment of selected configuration</li> <li>• The training format for ProVison Web is Super User style training - 8 hours of training for Super User</li> </ul>

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**INTEGRATION OF CERNER PROVISION WEB AND POWERCHART**  
Through PowerChart's EMR (electronic medical record) integration of ProVision Web and PowerChart is designed to deliver images within the physician's normal workflow. ProVision Web offers single-click contextual access within the PowerChart EMR Flowsheet. With Cerner ProVision Web, there is no need to log into a different application, search for the patient, or use a foreign interface. Cerner ProVision Web optimizes physician workflow by image-enabling the EMR. The following scope of work represents Cerner work effort to integrate ProVision Web with PowerChart for Radiology or Cardiology.

PowerChart Integration	<ul style="list-style-type: none"> <li>• Cerner will integrate the ProVision Web solution with PowerChart / PowerChart Office</li> <li>• Integration to Cardiology requires proper licensure of Clinical Data Repository</li> </ul>
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**CERNER MODALITY WORKLIST**  
Cerner Modality Worklist is a supporting Cerner offering that operates along with separate licensure of RadNet's Radiology Management and provides native DICOM services for use in a PACS environment. Worklist Manager provides enhanced DICOM services to support DICOM Modality Worklist and Modality Performed Procedure Step. The power of the coupling RadNet with Cerner ProVision PACS architecture allows seamless integration of centralized worklist management into filmless and film-based environments without a requirement for an external "broker" and its associated interfaces.

The following scope of work represents Cerner work effort to implement Cerner Modality Worklist.

Cerner Modality Worklist	<ul style="list-style-type: none"> <li>• Client will provide coordination of Modality suppliers</li> <li>• Installation and initial configuration of the Modality Worklist Server including layered software and configuration of the Service Class Provider</li> <li>• Worklist configuration for 5 DICOM modalities             <ul style="list-style-type: none"> <li>• To be considered in the scope of the project, the modality must conform to the DICOM Standard for Modality Worklist and be licensed with worklist software supplied from the modality vendor no later than 8 weeks prior to the mutually agreed upon conversion date</li> </ul> </li> <li>• Client will be instructed on how to Design and Build MWL and will implement all modalities not completed within the agreed-upon project duration</li> <li>• Changes or upgrades to the modality software can adversely affect the modality worklist functionality. These changes / upgrades are considered the responsibility of the Client to manage</li> <li>• Assumption regarding end user training for modality worklist:             <ul style="list-style-type: none"> <li>• The modality worklist software running at the modality is not software provided by Cerner. Client modality supplier should provide end-user training for utilizing the worklist at the scanner. Modality vendors often have a varied look and feel to the worklist software, and data that displays in the worklist can vary for different modalities. For these reasons, it is important to request modality worklist training from your modality vendor</li> </ul> </li> </ul>
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**RADNET RADIOLOGY INFORMATION SYSTEM**



**RADIOLOGY MANAGEMENT**  
Radiology Management – Cerner Millennium is a major RadNet offering designed for managing the workflow and operation of a radiology department. The solution fully automates the following Radiology orders, film management, exam tracking, study interpretation, transcription, and result processing.

General	<ul style="list-style-type: none"> <li>• Departments – Up to 2 Departments per scoped facility will be included in this implementation</li> <li>• Modality (also known as a Section) - Up to 2 Modalities/Sections per department will be included in this implementation</li> </ul>
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<p><b>Department Security/Service Resource Security</b></p>	<ul style="list-style-type: none"> <li>• Exam Rooms specific build per facility</li> <li>• For multiple department or multiple facility implementations, this security can be implemented</li> <li>• Radiology users will be assigned access to all Worklists and exam rooms within their primary physical working location (primary department)</li> <li>• Requested modifications to standard scope will be evaluated for potential impact to the project plan and may require additional professional services and fees</li> </ul>
<p><b>Work assignment</b></p>	<ul style="list-style-type: none"> <li>• Orders - Standard scope supports orderables from Cerner's START Content for Radiology</li> <li>• Additions of up to 50 Client specific orderables</li> <li>• Virtual viewing of Radiology orders will be the Registration Management at the orderable level, for each facility</li> <li>• Order Entry Formats -Standard scope supports up to 10 order entry formats to include the format within Cerner's START Content</li> <li>• Reason for Exam - Includes no more than 1000 Client defined and order associated reasons for exam for the scope of project</li> <li>• Patient Packet - Includes 1 patient packet chosen from a standard catalog of patient packets for the organization to be used as a template with changes available as approved by the Solution Architect</li> <li>• Once the Patient Packet has been created, the Client will own the content and format post conversion             <ul style="list-style-type: none"> <li>• Training for the Patient Packet tool for Client modification is not included</li> </ul> </li> <li>• Included in the patient packet are the following:             <ul style="list-style-type: none"> <li>• Content Labels</li> <li>• Flash Cards</li> <li>• Film Folder Labels</li> <li>• Transport Notice</li> <li>• Requisition</li> </ul> </li> </ul>
<p><b>Work Assignment/Study Preparation and Exam</b></p>	<ul style="list-style-type: none"> <li>• Radiology Notices, Rules, and Alerts: Includes activation of the following notices, rules, alerts listed below using Discern Expert</li> <li>• Radiology Preliminary Report for Emergency Department: Includes 1 printed form to document a preliminary report when a radiology order is placed on an ED patient type. This form can be used by clinician to document findings and also for the radiologist to verify or disagree with the ED clinician finding. The Client will the Registration Management where this form is printed based on location. This will be implemented for 1 department</li> <li>• Generic Radiology Consent Form: Includes 1 generic procedure consent form to print at order time to a department printer for exams that require consent. START Content includes association of orders with this consent form. Additional orders can be associated by the Client within the data collection. This will be implemented for 1 department</li> <li>• Radiology Iodine Allergy Alert: Includes online alert to the modality specific PC workstation when an order is placed on a patient with a documented allergy in Cerner Millennium to iodinated radio contrast media and/or iodamide. This will be implemented for 1 department</li> <li>• Radiology Latex Allergy Alert: Includes online alert to the modality specific PC workstation when an order is placed on a patient with a documented allergy in Cerner Millennium to latex. This will be implemented for 1 department</li> <li>• Order Notice: Includes 1 printed order notice to route to a specific printer per facility. Order notices are an additional notification beyond the requisition that you may wish to use to notify an area that an exam has been ordered</li> <li>• Radiology Intravenous Contrast Consent Form: Includes an Intravenous</li> </ul>

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	<p>Contrast Consent form to print at order time to a department printer for exams that require IV contrast. START Content includes association of orders with this consent form. Additional orders can be associated by Client within the data collection. This will be implemented for 1 department</p> <ul style="list-style-type: none"> <li>• Radiology Pregnancy Alert: Includes online alert to the specific modality workstation, if an order is placed on a patient with a positive pregnancy test, within the last 9 months. This will only check a qualitative pregnancy test to look for a positive result and quantitative values are not represented. This will be implemented for 1 department. Cerner PathNet General Laboratory solution or a lab interface into Millennium is required</li> <li>• Client is responsible for completing necessary education courses outside the implementation process to activate the notices, rules or alerts for additional departments. Additional department or facility set up will require additional professional services and fees. Support is also available within the Cerner Millennium Support Guide. Rules require the purchase of the following line items to be included with the RadNet implementation: RA-26105 Discern Expert and RA-26140 Discern Explorer</li> <li>• Radiology Patient Tracking - Maintains information about the location of patients within the radiology service</li> <li>• Includes up to 3 waiting rooms per facility</li> </ul>
<b>Order Modification</b>	<ul style="list-style-type: none"> <li>• Cancel Notice: Includes 1 cancel notice per facility to print for those orders that have been canceled</li> </ul>
<b>Image Acquisition and Study Complete</b>	<ul style="list-style-type: none"> <li>• Medication Documentation: Document Medications and Adverse Reaction Tracking: Medications that are administered in Radiology can be tracked through the Document Medications application. (If implementing Pharmacy or Medication Administration functionality across Millennium, the medications must also be documented in PowerChart Electronic Medical Record.) Reactions to medications that may happen during a radiology exam can be documented as well through the Common Allergy application</li> <li>• Medications that are typically used in Radiology can be categorized in up to 6 different categories for easy navigation by technologist or nurse for entire organization</li> <li>• Technical Comments - Technical Comments provides the ability for the technologist to document technical factors and Client-defined information concerning an exam. These fields can be designated to be required for the technologist before the exam can be completed. Technical Comment fields can also be designated to automatically print on the patient report via clinical reporting</li> <li>• Up to 100 different Technical Comment fields included, in addition to START Content database fields for entire organization</li> <li>• Up to 4 different Technical Comment formats, which are a combination of the 100 fields in addition to START Content database fields for entire organization</li> <li>• Up to 100 additional procedural charge items per facility may be added. Additional items might include: supplies, additional exam modifiers, additional CPT codes specific to an exam</li> </ul>
<b>Study Interpretation</b>	<ul style="list-style-type: none"> <li>• Radiology Desktop application preferences will be created for the position of radiologist</li> <li>• Up to 10 Worklists will be created within Radiology Desktop to be shared by ALL radiologists</li> <li>• Includes 100 templates per facility</li> <li>• Includes 100 macros per facility</li> <li>• For Cerner build implementations, the Client can create additional templates and speed phrases without Cerner assistance as needed in collaboration with the Cerner team</li> </ul>



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<b>Image and Film Management</b>	<ul style="list-style-type: none"> <li>• Library Grouping – Includes 1 collection of libraries per facility</li> <li>• Libraries – Includes 8 libraries per library group PB-this can be reduced to 2</li> <li>• Tracking Points – Includes up to 25 internal image folder tracking points per facility</li> <li>• Borrowers/Lenders – Includes up to 40 external film/image Borrowers and 20 Lenders per facility</li> </ul>
<b>Radiology System Management Reports</b>	<ul style="list-style-type: none"> <li>• PowerVision - Cerner will train the Client in the use of the PowerVision tool</li> <li>• Actual Turn Around Time Log</li> <li>• Detail Level Activity Report</li> <li>• Exam Activity Report</li> <li>• Order Activity Report</li> <li>• Repeat Analysis Report</li> <li>• Transcriptionist Activity Report</li> <li>• Procedure Classification</li> <li>• Medication Documentation</li> <li>• Technical Comments</li> <li>• Turn Around Time Report</li> <li>• Workload Report                             <ul style="list-style-type: none"> <li>• Additional build is required for this report; this report is not standard and is not in scope</li> </ul> </li> </ul>
<b>Standard Management Reports</b>	<ul style="list-style-type: none"> <li>• Included in scope:                             <ul style="list-style-type: none"> <li>• Incomplete Exam Report</li> <li>• Transcription Worklist</li> <li>• Unsigned Report List</li> <li>• Overdue Loan Report</li> <li>• Rejected Report List</li> <li>• Overdue Foreign Folder Report</li> <li>• Interesting Case File Report</li> <li>• ACR Coding Report</li> </ul> </li> </ul>
<b>DEPARTMENTAL SCHEDULING MANAGEMENT</b>	
<p>Departmental Scheduling Management is a multi-system, supporting offering designed to coordinate appointment scheduling across an integrated or disparate health system. Integrated solution option that provides the ability to schedule appointments for procedures performed for the Radiology Service.</p>	
<b>Design</b>	<ul style="list-style-type: none"> <li>• It is assumed that all modalities will be designed and built collectively with global standardization as the goal</li> </ul>
<b>START Content</b>	<ul style="list-style-type: none"> <li>• Cerner will utilize START Content, which includes design based on best practices, pre-built code sets and starter conversations, display schemes, appointment sequences and interactions, and reports and inquires</li> </ul>
<b>Appointment Book</b>	<ul style="list-style-type: none"> <li>• A collection of resources or other appointment books displayed together. Customizable based on the end-user need to view resources' appointments</li> <li>• Scope includes 1 appointment book per facility and modality</li> </ul>
<b>Appointment Types</b>	<ul style="list-style-type: none"> <li>• A definable reason for visiting the health care facility or facilities. This will have resources predefined and associated with it and may have strict timeframes or none at all</li> <li>• Scope includes the build of up to 100 total</li> </ul>
<b>Protocol Appointments</b>	<ul style="list-style-type: none"> <li>• Protocol appointment types can be defined to allow a user to schedule multiple appointment types in a single appointment booking transaction with predefined time ranges separating them.</li> <li>• Scope includes the build of up to 10 total</li> </ul>
<b>Schedulable Orders</b>	<ul style="list-style-type: none"> <li>• Orders which are placed with an appointment If orders integration is being utilized</li> <li>• Scope includes the appointment association of up to 200 total</li> </ul>
<b>Slot Types</b>	<ul style="list-style-type: none"> <li>• Standard scope supports Site specific slot types, per recommended practices</li> </ul>

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	if needed
<b>Default Schedules</b>	<ul style="list-style-type: none"> <li>1 or more slot types that are used to predefine the use of time for a resource. Standard scope supports the build of up to:             <ul style="list-style-type: none"> <li>Templates – build of up to 100 total templates</li> <li>Application – the application of templates up to 13 months in the future</li> </ul> </li> </ul>
<b>Display Schemes</b>	<ul style="list-style-type: none"> <li>Allow you to define the display attributes of the following visual objects, appointment types, appointment slots and resource appointment books:             <ul style="list-style-type: none"> <li>Appointment Books – Scope includes those appointment book display schemes included in START Content 3 plus the build of 5 additional Client defined schemes</li> <li>Appointment Types – Scope includes the appointment type display schemes in START Content 9 plus the build of up to 5 Client-defined schemes</li> <li>Slot Types – Scope includes those slot type display schemes in START Content 4 plus the build of up to 6 Client-defined schemes</li> </ul> </li> </ul>
<b>Accept Formats</b>	<ul style="list-style-type: none"> <li>Allows the capture of additional information regarding requested appointment type, such as reason for exam, IDC-9 codes, requesting physician, etc. The captured details can flex by the appointment type selected             <ul style="list-style-type: none"> <li>Scope includes the build of up to 15 total</li> </ul> </li> </ul>
<b>Resources</b>	<ul style="list-style-type: none"> <li>Any person, place, or thing to which an appointment can be scheduled</li> <li>Scope includes the build of up to the total amount required to support recommended workflow</li> </ul>
<b>Resource Lists/Order Roles</b>	<ul style="list-style-type: none"> <li>Used to define a list of resources that are valid to be scheduled to a certain Appointment Type</li> <li>Scope includes the build of either Resource Lists or Order Roles not to exceed a total of 10</li> </ul>
<b>Agents &amp; Interactions</b>	<ul style="list-style-type: none"> <li>Used to define how multiple appointments interact when booked too closely together</li> <li>Scope includes those interactions in START Content (as is) 19 plus the build of up to 5 Client defined interactions.</li> <li>Scope also includes the build of Agents to support the defined Interactions</li> </ul>
<b>Instructions</b>	<ul style="list-style-type: none"> <li>Can be flexed by a combination of appointment type and appointment location. Includes appointment preparation and post appointment instructions</li> <li>Scope includes the build of up to 50 total</li> </ul>
<b>Guidelines</b>	<ul style="list-style-type: none"> <li>Can be flexed by a combination of appointment by type and appointment location</li> <li>Scope includes the build of up to 25</li> </ul>
<b>Flexing Rules</b>	<ul style="list-style-type: none"> <li>Scope includes those flex types in START content 40 (as is) plus the build of up to 25 Client defined flex rules</li> </ul>
<b>Scheduling Inquiries</b>	<ul style="list-style-type: none"> <li>Standard scope includes the inquires included from the START Content</li> <li>Inquiry customization will require additional professional services and fees and will be quoted separately</li> <li>Custom development can be guaranteed to work only on the Production/Service Package code level that it is developed against</li> <li>The Cerner Immediate Response Center (IRC) does not support custom programs</li> <li>Once the scope of this project is fulfilled, the Client will support and make any future changes to this custom program</li> </ul>
<b>Request List Queues</b>	<ul style="list-style-type: none"> <li>Determines which request list queues users appointment requests are routed to. The appointment requests are populated to a queue with the request list inquiries. The scope includes the build of up to 1 Queue per modality plus an additional 10 that may be shared across all</li> </ul>
<b>Request List Inquiries</b>	<ul style="list-style-type: none"> <li>The capability for a user to send an electronic appointment request to a work queue for schedulers to view and schedule. Appointment requests can be</li> </ul>

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	<p>submitted from 1 scheduling user to another or from the Cerner Millennium PowerOrders system</p> <ul style="list-style-type: none"> <li>• Includes those request list inquiries in the Standard Library</li> <li>• Request list inquiry customization will require additional professional services and fees and will be quoted separately</li> <li>• Custom development can be guaranteed to work only on the Production/Service Package code level that it is developed against</li> <li>• The Cerner Immediate Response Center (IRC) does not support custom programs</li> <li>• Once the scope of this project is fulfilled, the Client will support and make any future changes to this custom program</li> </ul>
<b>Scheduling Reports</b>	<ul style="list-style-type: none"> <li>• Includes the reports in the Standard Library</li> <li>• Report customization will require additional professional services and fees and will be quoted separately</li> <li>• Custom development can be guaranteed to work only on the Production/Service Package code level that it is developed against</li> <li>• The Cerner Immediate Response Center (IRC) does not support custom programs</li> <li>• Once the scope of this project is fulfilled, the Client will support and make any future changes to this custom program</li> </ul>
<b>Scheduling Routing</b>	<ul style="list-style-type: none"> <li>• Site-specific build – Scope includes the build of up to 1 route per modality to support all reports included in the project scope</li> </ul>
<b>Operations Jobs</b>	<ul style="list-style-type: none"> <li>• Includes set up of 1 report with up to 2 timeframes per Department/Clinic</li> </ul>
<b>Appointment Book Banner</b>	<ul style="list-style-type: none"> <li>• Includes the selection of the display on the appointment book banner from the fields contained in the Standard Library</li> <li>• Customized fields for the Appointment Book Banner will require additional professional services and fees and be quoted separately</li> </ul>
<b>Scheduling Security</b>	<ul style="list-style-type: none"> <li>• Task Access Level Security – determines which users have access to the appointment book application</li> <li>• Scope includes those Application Groups contained within START Content</li> <li>• Application level security for Multi-Facilities Only</li> <li>• Appointment Book – Action of View</li> <li>• Location – Action of View</li> <li>• Resource – Action of View</li> <li>• Key chains – Scope includes the build of up to 1 key chain per acute care facility.</li> <li>• Security Locks – Scope includes the build of the total amount to support recommended workflow.</li> </ul>
<b>Solution Integration</b>	<ul style="list-style-type: none"> <li>• Core Registration Management – up to 2 registration conversation if Registration is not licensed</li> <li>• Registration Management supports the full use of registration conversations and conversation flexing logic</li> <li>• Radiology integration supports the ability to schedule radiology patient appointments</li> <li>• Medical Necessity Checking integration provides automation in determining when an Advanced Benefits Notification (ABN) form is required due to conflicts in procedure/diagnosis combinations as determined by the payer. Includes the build to support medical necessity checking at the order level through Scheduling Management. This does not include services to associate the CPT4 codes to charges in Charge Services</li> <li>• Content for the following payers are included in scope:             <ul style="list-style-type: none"> <li>• Medicare/Medicaid – Client must subscribe to the 3M content separately through Cerner (Solution Code KS-22305)</li> </ul> </li> </ul>

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	<ul style="list-style-type: none"> <li>• 3M content upload – an upload of the content published by Local Medical Review Policies (LMRP) that define the criteria for Medicare to determine whether provider services will be reimbursed by the government</li> <li>• Scope includes the build of relationships between content and the Medicare insurance, organization and health plan built in Cerner</li> </ul>
<b>Future Appointment Load</b>	<ul style="list-style-type: none"> <li>• The Client is responsible for loading all future appointments into Scheduling Management prior to go-live. Cerner will provide offsite support of this activity during normal business hours. Any additional support of this activity will be quoted separately</li> <li>• This includes creating all group appointment sessions</li> </ul>
<b>Conversion Support</b>	<ul style="list-style-type: none"> <li>• Cerner resources will support the first conversion event. If the Client is planning to have a roll-out schedule, it is assumed that the Client will support all roll-outs. If additional Cerner support is required, additional professional services and fees will be required and quoted separately</li> </ul>
<b>MAMMOGRAPHY MANAGEMENT</b>	
Mammography Management is a supporting RadNet offering designed for managing the follow-up and tracking of mammography procedures. Facilities performing mammography are monitored by various regulatory agencies to ensure that quality standards are maintained.	
<b>Image Acquisition &amp; Exam Complete</b>	<ul style="list-style-type: none"> <li>• Tracking of mammography screening and diagnostic exams with attachment of ACR BI-RADS ® Atlas</li> <li>• Patient History Form with breast diagram</li> </ul>
<b>BIRADS® Atlas</b>	Included in scope with standard reports and the following letters: <ul style="list-style-type: none"> <li>• Patient Notification – Up to 10</li> <li>• Patient Reminder</li> <li>• Patient Warning</li> <li>• Physician Survey</li> <li>• Physician Reminder</li> <li>• Physician Warning</li> </ul>
<b>Standard Management Reports</b>	<ul style="list-style-type: none"> <li>• Standard scope supports the standard Radiology Management Mammography PowerVision View</li> <li>• Statistical Reporting for the following: <ul style="list-style-type: none"> <li>• Summary Report by Radiologist</li> <li>• Outcome Summary Report</li> <li>• Assessment and Recommendation by Patient Age Group</li> <li>• Follow-Up Report</li> </ul> </li> </ul>

**PRODUCTION INTEGRATION OR DATABASE MERGE SERVICES**

<b>PRODUCTION INTEGRATION</b>	
Phase 1 work and each subsequent phase will require the process for adding newly built reference data into the PROD domain. This can be done via a reBUILD process or RDDS tools.	
<b>Code Level Upgrades</b>	<ul style="list-style-type: none"> <li>• Revision Level Upgrades are not included in standard scope. An assessment of the current revision levels in PROD must be done. All Upgrade requirements must come from the Upgrade Center and should be scoped in a Pre-Contract Arrangement Letter and performed prior to this projects kick off date</li> </ul>
<b>Production Integration</b>	<ul style="list-style-type: none"> <li>• Production Integration activities are required when a new solution (or solutions) is added into an existing database. It consists an increase in</li> </ul>

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	project duration (minimum of 6 weeks) and the following activities: <ul style="list-style-type: none"><li>• Revision Level Installation into the Build Domain</li><li>• Software Moves to Production Environment</li><li>• Database Build in Production Environment</li></ul>

**Cerner  
Budgetary Quote  
Radiology and MMF  
for  
Chicago Department of Public  
Health**



# CERNER BUDGETARY QUOTATION

Prepared For: Chicago Department of Public Health  
 DePaul Center, Rm 2004  
 330 S. State St  
 Chicago, IL 60604 USA

Expiration Date: 12-Dec-2007

**Contents**

- Cerner Sales Contact Information
- Summary of Purchase Price
- Permitted Facilities
- Scope of Use Summary
- Special Notes
- Quote Assumptions
- Quotes Included:

Licensed Software (1-929157588-R-6)  
 Professional Services RIS/PACS (1-930064680-R-7)  
 Technology - UMS (1-941383881-R-2)  
 Technology - RHO (RadNotAdd-On) (1-048388132-R-1)  
 Technology Hardware (1-929170061-R-2)

**Cerner Sales Contact Information**

Name	Phone #	Email Address
John Goodwin	(818) 708-4116	jgoodwin@cerner.com

**Summary of Purchase Price**

	System Purchase Price	Installation	Monthly Amount	Monthly Support	Required Maintenance
Equipment	65,666	1,020			7,034
Licensed Software	144,918			3,127	
Learning Software	0				
Sublicensed Software	45,790		202		
Subscriptions				518	7,665
Managed Services	9,000				
Advanced Technology Solutions	7,050		9,950		
Packaged Solutions					
Professional Services	330,300				
<b>Totals</b>	<b>611,744</b>	<b>1,020</b>	<b>10,242</b>	<b>3,645</b>	<b>14,699</b>

All Prices in US Dollar (USD).

System Purchase Price + Required Maintenance	626,443 (USD)
Installation Fees	1,020 (USD)
<b>System Purchase Price Grand Total</b>	<b>628,363 (USD)</b>
First Year Support Fees	37,525 (USD)
First Year Sublicensed Software Support Fees	6,216 (USD)
First Year Subscription Fees	3,504 (USD)
First Year Managed Services Fees	119,400 (USD)

Cerner may substitute individual Equipment items at the time of the actual order based on availability and technological advancements.

Certain maintenance fees are required by the third party provider and are listed within this quote; however, not all maintenance fees are included. Please contact Cerner TechWiki Maintenance team at (866) 221-8877 to receive a comprehensive maintenance quote customized for your organization.

## BUDGETARY QUOTATION



Chicago Department of Public Health  
 Cerner Proprietary Use Only  
 12-Sep-2007 04:05 PM  
 1-P2AGG7

# CERNER BUDGETARY QUOTATION

**Prepared For**  
 Chicago Department of Public Health  
 DePaul Center Rm 200  
 333 S State Bank  
 Chicago, IL 60604, USA

**Expiration Date** 12-Dec-2007

**Additional Permitted Facilities**

Not Applicable

**Scope of Use Summary**

Solution	Scope Metric	Qty	Metric Description
Learning Services MultiMedia Foundation	Each Admissions + Outpatient Visits		233,100 Sum of annual admissions plus the annual outpatient visits, whereas an outpatient visit is defined as a visit by a patient who either receives ambulatory services or is lodged in the hospital less than 24 hours while receiving medical, dental, or other services.
MultiMedia Foundation	Radiology Procedures		10,438 Total number of annual orderable radiology procedures.
RadNet	Radiology Procedures		10,438 Total number of annual orderable radiology procedures.

**Special Notes**

**Note:** The information contained in this quote is for budgetary purposes only and is not considered final or binding.

**Quote Assumptions**

**Quote**  
 Professional Services RIS/PACS

**Assumption**  
 This Professional Services Estimate (PSE) assumes the Cerner Millennium® 2007 Cumulative Production Packages. The work effort presented in this PSE is based on MethodM, Cerner's structured implementation approach. The MethodM fee includes, but is not limited to, the MethodM Project Plan, Design Guides, Build Guides, and Validation Guides. All solution work effort has been validated through an ongoing, quality and regulatory control process. This PSE assumes any Upgrade requirements will be performed prior to this project start date. If existing Millennium Client, minimal revision levels in PROD must be assessed by the Upgrade Center. This PSE assumes the Design, Build, and Conversion of 1 facility/facilities utilizing a centralized database environment and a Big Bang Implementation approach. Modifications to the Design and Build of the proposed solutions to meet specifications for individual facilities, will result in additional professional services fees. This PSE includes the work effort required for linking newly built reference data into the PROD domain. This is known as the Reference Data Domain Sync (RDDS) process.  
**Client Detail:**  
 Assume PowerChart (2007) including Registration Management, Scheduling Management, Billing & Accounts Receivable, ClinDoc, Single Document Scanning, and all necessary interfaces are live and functional prior to this project.  
 Phase 1 (20 weeks): Radiology Management, Departmental Scheduling Management, PACS for Radiology, ProView Web for Radiology

(1-R3KWH488-R-7)

## BUDGETARY QUOTATION





# CERNER BUDGETARY QUOTATION

**Prepared For:**

Chicago Department of Public Health  
Default Cerner Rm 200  
333 S State St  
Chicago, IL 60604, USA

**Expiration Date:**

12-Dec-2007

**Technology - OMS**

**OMS Services Included: (Term to coincide with RHO Schedule)**

System Monitoring and Management  
Database Monitoring and Management  
Administration

**Domains (Supported by OMS)**

- (1) Production domains supported (Millennium)(PACS)
- (1) Non-production domains supported (Millennium)(PACS Test)

**PACS machines (On which in-scope domains are running)**

- (1) HP Proliant DL380 G5 1-way Dual Core - Modality Worklist Server
- (1) HP Proliant DL380 G5 1 way Dual Core - Test Server
- (1) HP Proliant DL300 G5 2-way Dual Core - Provision Server

**PACS operating systems and database platform**

Linux, Microsoft Windows Server, and Oracle

**Applications:**

Cerner ProVision™ PACS

Connectivity from Cerner to Client Site:

Existing RHO Frame Relay Circuit

**Additional Assumptions**

- BMC Patrol in conjunction with the Cerner KM's, must be fully implemented across the Cerner ProVision™PACS environment in order to monitor the operating system, database, or application environment.
- Cerner will provide use of BMC licenses and implement BMC Patrol in conjunction with the Cerner KM's, on supported Cerner ProVision™PACS machines.
- Cerner will retain ownership of BMC licenses. Cerner owned BMC licenses will be removed on termination of OMS services
- Client manages workstations, diagnostic workstations, and peripherals.
- In addition to fees above, Client will reimburse Cerner for travel costs incurred in conjunction with performance of OMS services.
- One-time fee due upon execution
- Monthly fees begin upon agreement signing
- Mentoring not included in pricing

(1-941303681-R-2)

Technology - RHO (RudNot Add-On)

Note - Quoted RHO Fees are in addition to base or currently contracted RHO Fees.

**Add-on Applications:**

RudNot (Radiology Mgt.)

Note - RHO Quote does not include Client managed solutions such as PACS or ProVision Web.

**Additional Assumptions:**

- One-time fee due upon execution and Monthly fees begin upon agreement signing
- RHO fees for adding the application only. If the addition of these applications results in additional concurrent logons and the necessity to expand the concurrent logon scope limit, there would be additional Concurrent Logon Scope expansion fees.

(1-946300132-R-1)

## BUDGETARY QUOTATION



Chicago Department of Public Health  
Cerner Proprietary Use Only

12-Sep-2007 04:05 PM

1-P2M3G7

**MBE/WBE Commitment for CERNER sole source contract with CDPH**

MBE: 16.9% (\$216,025)

-The Foster Group

-Softbang, LLC

-EKI

WBE: 4.5% (\$57,521)

-Solai & Cameron Technologies Inc

-Edge Technologies

**CITY OF CHICAGO  
 PURCHASE REQUISITION**

**Copy (Department)**

<b>DELIVER TO:</b>  041-3045 DEPAUL 2FL 333 S. STATE ST. 2ND FLOOR Chicago, IL 60604	<b>REQUISITION:</b> 36049  <b>PAGE:</b> 1 <b>DEPARTMENT:</b> 41 - DEPARTMENT OF HEALTH <b>PREPARER:</b> Richard W Rzeszutko <b>NEEDED:</b> <b>APPROVED:</b> 11/19/2007
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**REQUISITION DESCRIPTION**

SOLE SOURCE CONTRACT WITH CERNER FOR X-RAY SERVICES FOR DEPARTMENT OF HEALTH CLINICS  
 SPECIFICATION NUMBER: 61936

**COMMODITY INFORMATION**

LINE	ITEM	QUANTITY	UOM	UNIT COST	TOTAL COST
1	89880	628,363.00	USD	1.00	628,363.00

SERVICES FOR X-RAY EQUIPMENT FOR CDPH HEALTH CENTERS

**SUGGESTED VENDOR:** CERNER CORPORATION

**REQUESTED BY:** Richard W Rzeszutko

DIST	BFY	FUND	COST CTR	APPR	ACCNT	ACTV	PROJECT	RPT CAT	GENRL	FUTR	Dist. Amt.
1	007	0C13	0413045	1346	220140	0000	13046121	000000	00000	0000	628,363.00
<b>LINE TOTAL:</b>											<b>628,363.00</b>

**REQUISITION TOTAL: 628,363.00**