

## VHA Endoscopy Information System (EIS) Support and Services Sep2019 Draft

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### Synopsis:

The Veterans Health Administration (VHA) Non-Expendable Equipment National Program has identified the Information System: Data Management: Endoscopy, here after referred to as Endoscopy Information Systems (EIS), product line as a candidate for a VA-wide (otherwise referred to as “national”) single Requirements contract award.

EIS are medical systems designed to manage Gastrointestinal (GI), Pulmonary and other endoscopic procedure documentation and images within in a healthcare facility. EIS consist of hardware including servers for image acquisition and storage, computer workstations for data entry and viewing and peripheral devices (e.g., printers) that are connected to the VA network behind a medical device virtual local area network (VLAN). EIS include software specifically designed for endoscopy procedure workflow and management, including procedure documentation and image management applications, operating systems, a database management system, interfaces and other application programs. EIS collect, store, analyze, retrieve, display, and print information related specifically to endoscopy procedures (e.g., colonoscopy, esophagogastroduodenoscopy, enteroscopy, endoscopic ultrasound, endoscopic retrograde cholangiopancreatography, laryngoscopy, bronchoscopy, and pleural procedures (e.g., thoracentesis, IPC, pleuroscopy)). EIS exchange information with endoscopic video systems usually following DICOM (Digital Imaging and Communications in Medicine), a standard in the field of medical informatics that ensures interoperability. EIS allows digital image transmission to any networked part of the hospital, direct access to stored images, simultaneous access to images for several different physicians (e.g., surgeons and emergency room personnel), and centralized consultation for comparisons.

Please download, complete and upload the attached:

1. VA DIRECTIVE 6550 V3 - Appendix A\_Fillable
2. NX EQ EIS MDS2 Form
3. NX EQ EIS Product List\_Scenario for Budgetary Estimate

Additionally, please upload the following documents:

4. Evidence Based Published Value Analysis on the EIS your company provides
5. Relevant Certifications, Compliance, and Approvals for your company's EIS
6. Technology Reference Model (TRM) Decision Report (specific to current version your company would provide)
7. Operator's Manual
8. List of all data elements (fields), and identify if interface fields include direction (send/receive or both)

9. List of Templates (Name of Template and Purpose/Function)
10. List of VA Facilities using your EIS brand
11. Product Brochure
12. Service Manual

Notes & Miscellaneous:

As part of our market research effort, we are seeking input from industry to identify the ability of the commercial market to fulfill potential requirements.

Thank you for your participation.

Open questionnaires do time out after approximately 5 minutes of inactivity. You will then need to log back in.

Monterey Consultants, Inc., is contracted by VA, Office of Small and Disadvantaged Business Utilization (OSDBU) to assist with market research. The survey portal is managed by Monterey on behalf of VA OSDBU. Monterey has signed Non-Disclosure Agreements and is restricted under Organizational Conflict of Interest clauses from sharing submitted information with any party outside VA. Monterey is not engaged in this industry and does not plan on doing business within this area in the foreseeable future.

Posted Date: September 10, 2019

Response Date: October 01, 2019

Classification Code: 70 -- General purpose information technology equipment

NAICS Code: 511210 -- Software Publishers

**1 Does your company currently provide Endoscopy Information Systems (EIS) specifically designed for GI and Pulmonary endoscopy procedures?**

Yes

No

**2 Is your company prohibited from working with (Federal or State) Governmental contracts?**

Yes

No

**Please enter the following Point of Contact information:**

**3 Name of Firm:**

**4 Point of Contact Name:**

**5 POC Phone Number:**

**6 Business Address:**

**7 City/Town:**

**8 State:**

**9 Zip Code:**

**10 Contact Email:**

- 11 Website URL address:**
- 12 Please provide your company's Data Universal Numbering System (DUNS) identification number: (9-Digit Identification Number without hyphen)**
- 13 Please indicate your company's business structure: (select all that apply)**
- Sole Proprietorship
  - Partnership
  - Limited Partnership
  - Limited Liability Company (LLC)
  - Corporation (For-Profit)
  - Nonprofit Corporation (Not-For-Profit)
  - Cooperative
  - Foreign-Entity Owned
  - State-Owned
  - Franchise/Subsidiary
  - Other, please specify:
- 14 What has been your company's annual average revenue for the last 5 fiscal years? (please provide best estimate available)**
- less than \$10K
  - \$10K to \$50K
  - \$51K to \$100K
  - \$101K to \$250K
  - \$251K to \$500K
  - \$ 500K to \$ 1M
  - \$ 1.1M to \$ 2M
  - \$ 2.1M to \$ 4M
  - \$ 4.1M to \$ 7M
  - \$ 7.1M to \$ 14M
  - \$ 14.1M to \$ 25.5M
  - \$ 25.6M to \$ 50M
  - more than \$50M
- 15 Please indicate your company's average annual number of employees: (if your company has been in business less than a full year, indicate the average number of employees over all pay periods since inception)**
- 1 - 5 employees
  - 6 - 10 employees
  - 11 - 15 employees
  - 16 - 20 employees
  - 21 - 50 employees
  - 51 - 100 employees
  - 101 - 150 employees
  - 151 - 300 employees
  - 301 - 500 employees
  - More than 500 employees
- 16 Identify which of the following NAICS codes your company uses when providing EIS:**

(select all that apply)

333316 Electronic Computer Manufacturing

334118 Computer Terminal and Other Computer Peripheral Equipment Manufacturing

334419 Other Electronic Component Manufacturing

334613 Blank Magnetic and Optical Recording Media Manufacturing

334614 Software and Other Prerecorded Compact Disc, Tape, and Record Reproducing

511210 Software Publishers

541511 Custom Computer Programming Services

541519 Computer disaster recovery services

541519 Information Technology Value Added Resellers

541519 Software installation services, computer

Other, please specify:

17 What is your company's primary NAICS code of operation?  
(limited to 6 digits)

18 Please indicate any small business designations that describe your business:  
(select all that apply)

Service-Disabled Veteran Owned Small Business (SDVOSB)

Veteran Owned Small Business (VOSB)

8(a) Business Development Small Business Certification

Alaskan Native Corporation (ANC)

Native Hawaiian Organization (NHO)

Tribally-Owned Concern (TOC)

HUBZone Business Concern

Economically Disadvantaged Women-Owned Small Business (EDWOSB in accordance with 19.1503)

Women-Owned Small Business (WOSB in accordance with 19.1503)

Women-Owned Small Business (WOSB)

Small Disadvantaged Business (SDB)

Small Business as per primary NAICS code of operation

Large Business

Other, please specify:

19 Please indicate how your company operates for the sale of EIS equipment/software:

Manufacturer

Distributor

Both Manufacturer and Distributor of your company's product(s)

Other

1 If your company is currently providing support to (Federal or State) government agencies, please specify which agencies/offices:

(open area for response)

2 If your company currently has a VA BPA or other VA contract for EIS or related products, please provide the contract number:

(open area for response)

3 If your company currently has an active GSA FSS contract for EIS or related information system software, please provide the schedule, SIN code, and contract number:  
(open area for response)

4 For whom has your company provided EIS equipment and provider support services in the past 5 years, and in what capacity?  
(select all that apply, not required to provide a response to each row)  
Columns: Prime Contractor, Subcontractor, Joint Venture, N/A

Rows:

Department of Veterans Affairs

Department of Defense

Other Federal

State Government

Local Government

Commercial

Other

None

5 Provide a specific example of how the EIS that your company currently provides optimizes endoscopy workflow, improves patient outcomes, advances quality improvement and increase customer satisfaction. (Response must include customer name, city, State, dates of service, scope of the project (high-level), and performance measurements as previously requested. Response can include published research findings to be submitted as an attachment to this RFI response)  
(open response area)

6 Identify those requirements where your company would use OEM-certified subcontractors to provide EIS services: (Original Equipment Manufacturer (OEM))

(select all that apply)

Project Management

Installation Support

Configuration Support

Customization Support

Implementation Support

Data Migration Services

Training Support and Services

Go-Live Support

Maintenance and Support Services

Interface Support Services

Functional Testing Support

Reporting and Documentation Support Services

None of the above

7 Identify those requirements where your company would use non-OEM-certified subcontractors to provide EIS services:

(select all that apply)

Project Management

Installation Support

Configuration Support

Customization Support

Implementation Support  
Data Migration Services  
Training Support and Services  
Go-Live Support  
Maintenance and Support Services  
Interface Support Services  
Functional Testing Support  
Reporting and Documentation Support Services  
None of the above

8 What is the average percentage of EIS services (including project management, installation, configuration, customization, implementation, data migration services, training, go-live support, maintenance and support, interface support, testing, reporting and documentation on-going maintenance support for all hardware or configuration changes that may be requested) that your company would anticipate using OEM-certified subcontractors to perform?

< 20%  
21% - 30%  
31% - 40%  
41% - 50%  
51% - 75%  
>75%

9 What is the average percentage of EIS services that your company would anticipate using non-OEM-certified subcontractors to perform?

< 20%  
21% - 30%  
31% - 40%  
41% - 50%  
51% - 75%  
>75%

10 Please provide information regarding one major EIS projects your business has designed, installed and supported in the past 3 years: (Response must include: Month/Year Start to Finish, Project Name, Customer, Location and a brief summary of the project for each)

(open response area)

11 Regarding EIS support services, identify those requirements your company can fully support and finance: (select all that apply)

Provide Project Management  
Provide EIS installation, configuration, customization, and implementation  
Provide EIS legacy system historical data migration services  
Provide EIS training and go-live support  
Provide on-going EIS maintenance and support  
Provide EIS equipment  
Provide EIS interface support  
Provide EIS testing  
Provide EIS reporting and documentation  
None of the above

11 Regarding EIS support services, identify any other requirements your company can fully support and finance:

(Open Response Area)

- 12 How many years of experience does your business have in providing complete EIS that includes equipment, software, back-end integration with EHR systems, and support services?
- < 1 year
  - 1 - 2 years
  - 3 - 4 years
  - 5 - 6 years
  - 7 - 8 years
  - 9 - 10 years
  - > 10 years
- 13 Identify those EIS manufacturers with which your company has a current contract or other agreement (distribution):  
(select all that apply)
- EndoSoft
  - MD Reports
  - Pentax Medical
  - Provation
  - Summit Imaging
  - None of the above
- 14 Does your company have a current contract(s) or other agreement(s) with any other EIS manufacturers not listed in the above question? Please provide the full name of the OEM manufacturer and expiration date of that contract/agreement(s) if applicable.  
(Open Response Area)
- 15 If your company has a current contract(s) or other agreement(s) with any other EIS manufacturers, as part of that contract/agreement, is your company restricted geographically for the distribution/wholesale of EIS equipment?
- Yes
  - No
- 16 What EIS supporting products/equipment can your company fully support and finance? (select all that apply)  
(select all that apply)
- Hardware
  - Servers
  - Computer Workstations
  - Peripheral Devices
  - None of the above
- 17 Identify the characteristic(s) of the EIS equipment that your company currently provides: (select all that apply)  
(Select all that apply)
- Supports Gastroenterology (GI) and Pulmonary endoscopy specialties workflow including procedure documentation, information, data and endoscopy procedure reports

Provides image capture and management of images from various GI and pulmonary endoscopes and capsule camera vendors (vendor neutral)

Provides standard EIS reports

Provides interfaces including, at a minimum HL7, ADT, pathology requisitions, Electronic Medical Record(EMR)/Electronic Health Record (EHR) (Veterans Health Information Systems and Technology Architecture (VistA) Computerized Patient Record System (CPRS), VistA Imaging, and Cerner)

Is customizable

Includes data migration

Supports coding (e.g., International Classification of Diseases (ICD), Current Procedural Terminology (CPT), etc.)

None of the above

17 Identify any other procedural support characteristic(s) of the EIS equipment that your company currently provides:  
(Open Response Area)

18 Please identify the customizable features available from the EIS equipment/software that your company provides: (select all that apply)  
(select all that apply)

The system patient chart summary screen/face sheet is customizable.

The system provides the ability to display items that require immediate attention via notifications.

The system provides custom plan protocols per provider.

The system provides the ability to customize workflow templates based on physician's objectives.

The system provides the ability to add standard and/or custom footnotes to images.

The system provides the ability to form custom quick word shortcuts that will automatically produce full text macros.

None of the above

19 Indicate those areas of support where your company has the staff with expertise to address potential EIS requirements: (select all that apply)  
(select all that apply)

Project Management

Installation Support

Configuration Support

Customization Support

Implementation Support

Data Migration Services

Training Support and Services

Go-Live Support

Maintenance and Support Services

Interface Support Services

Functional Testing Support

Reporting and Documentation Support Services

None of the above



- 20 Identify the characteristic(s) of installation, configuration, customization, and implementation that your company currently provides: (select all that apply)  
(Select all that apply)  
On-site installation of EIS at each VA facility  
On-site configuration of EIS at each VA facility  
On-site testing and confirmation of fully functional EIS at each VA facility  
None of the above
- 20 Identify any other characteristic(s) of installation, configuration, customization, and implementation that your company currently provides:  
(Open Response Area)
- 21 Identify the characteristic(s) of EIS Biomedical Training that your company currently provides:  
(Select all that apply)  
Vendor provides initial on-site technical training includes complete information on maintenance and repair of the system  
Vendor provides on-site Go-Live technical support  
Vendor provides technical training on any interface changes as they become available  
Vendor provides subsequent technical refresher training  
Vendor incurs all transportation, tuition and lodging costs for service and maintenance technical 3 day training for up to two Biomedical Engineer staff per facility  
On-line web-based biomedical technical training  
Two Service and two operators' manuals provided for each EIS warning unit  
Unlimited electronic service and operators' manuals provided for each EIS  
None of the above
- 21 Identify any other characteristic(s) of EIS Biomedical Training that your company currently provides:  
(Open Response Area)
- 22 Identify the characteristic(s) of EIS User Training that your company currently provides:  
(Select all that apply)  
Vendor provides Initial on-site User Training includes information on how to operate and clean the equipment safely and effectively  
Vendor provides on-site Go-Live User Support  
Vendor provides user training on any interface changes as they become available  
Vendor provides subsequent user refresher training  
On-line web-based clinical user training  
Two operators' manuals provided for each EIS warning unit  
Unlimited electronic operators' manuals provided for each EIS  
None of the above
- 22 Identify any other characteristic(s) of EIS User Training that your company currently provides:  
(Open Response Area)

- 23 Identify the characteristic(s) of EIS System Administrator Training that your company currently provides:  
(Select all that apply)

Vendor provides initial on-site EIS System Administrator Training includes information on how to perform system administrator tasks and manage the EIS

Vendor provides on-site Go-Live System Administrator Support

Vendor provides System Administrator training on any interface changes as they become available

Vendor provides subsequent System Administrator refresher training

On-line web-based System Administrator training

Two service and two operators' manuals provided for each EIS warning unit

Unlimited electronic operators' manuals provided for each EIS

None of the above

- 23 Identify any other characteristic(s) of EIS System Administrator Training that your company currently provides:

(Open Response Area)

Please list your company's products that meet the characteristics listed above. Include the manufacturer name, part number, and short item description for each EIS product your company currently provides

- 24 (e.g., If an item is software, also include the specific Version, Functionality, Features and Services the software provides). Response must include at a minimum: Manufacturer, Part Number, Short Description, Version, Functionality, Features and Services.

(Open Response Area)

- 25 Identify and list any potential 3rd party software and/or hardware items that would be required as part of the EIS solution that your company currently provides. List only items that have not already been listed above and that would be required from another source other than your company. Response must include at a minimum: Manufacturer, Part Number, Short Description, Version, Functionality, Features and Services.

(Open Response Area)

- 26 Please list the software license agreement model your company uses for EIS software. Including license model used for any and all 3rd party software components that are required as part of the EIS solution. Response must include at a minimum: Manufacturer, Part Number, Short Description, Licensing Method (e.g. open-source, perpetual (doesn't expire), annual (annual subscription renewal fee), License for each user or seat, License for each endoscopy room and mobile travel cart, License for number of endoscopy procedures, License for a facility or VISN, Enterprise license for entire VHA endoscopy, license as Software as a service (SaaS) (cloud).

(Open Response Area)

- 27 Does the EIS software agreement for the system(s) that your company currently provides allow the VA to look at the underlying source code?

Yes

No

- 28 Does your company have sufficient staffing to work with customers in the development of a training manual for the EIS software solution?

Yes

No

- 29 Identify the number of EIS your company could deliver, install, and support across the VA, simultaneously and concurrently, by providing EIS equipment, project management, installation, configuration, customization, implementation, data migration services, training, go-live support, maintenance and support, interface support, testing, reporting and documentation:
- 1 - 5
  - 6 - 10
  - 11 - 15
  - 16 - 20
  - 21 - 25
  - 26 - 30
  - 31 - 35
  - 36 - 40
  - >40
- 30 Identify the approximate amount of time it would take your company to complete installation and results in a fully functional EIS for those simultaneous projects you noted in the previous question:
- < 1 month
  - 1 to 2 months
  - 3 to 6 months
  - 7 to 12 months
  - > 12 months
- 31 Identify the maximum number of simultaneous users that your company's EIS solution can manage concurrently:
- < 100
  - 101 - 500
  - 501 - 1000
  - 1001 - 3000
  - 3001 - 5999
  - >5999
- 32 How many daily actions can your company's EIS solution support? (Actions include procedures, charting and other documentation utilization, record uploads, record downloads, record updates, etc.)
- < 500
  - 501 - 1000
  - 1001 - 1500
  - 1501 - 1999
  - >1999
- 33 What is the standard percentage of growth/expansion allowance for the NUMBER OF USERS that is supported by the EIS your company currently provides? Answer with % allowable growth.  
Answer with % allowable growth  
(Open Response Area)

34 What is the standard percentage of growth/expansion allowance for the NUMBER OF ROOMS OR CARTS that is supported by the EIS your company currently provides? Answer with % allowable growth.  
Answer with % allowable growth  
(Open Response Area)

35 What is the standard percentage of growth/expansion allowance for the NUMBER OF PROCEDURE REPORTS that is supported by the EIS your company currently provides? Answer with % allowable growth.  
Answer with % allowable growth  
(Open Response Area)

36 Is your company's EIS solution capable of integrating with the following platforms while maintaining functionality and compatibility?

Columns: Yes, No

Rows:

Windows

Catamaran Software Solution

HL7 Interface Experience

Vista EHR (formerly DHCP)

Vista Imaging

Computerized Patient Record System (CPRS)

Cerner EHR

MBM Java-based Solutions

MUMPS-based Systems

Enterprise Credential Production software/equipment

37 Does your company have experience with re-integration efforts to update EIS to new/emerging EHR technologies?

Yes

No

38 Identify any other procedural support characteristic(s) of the EIS equipment that your company currently provides:

(Open Response Area)

39 What is the EIS connection methodology to transmit and/or receive data to and/or from Vista? (include the System, Connection Method, Connection Type, Source, Destination, Direction (Send, Receive, Both))  
(include the System, Connection Method, Connection Type, Source, Destination, Direction (Send, Receive, Both))

(Open Response Area)

40 What is the EIS connection methodology to transmit and/or receive data to and/or from Vista Imaging? (include the System, Connection Method, Connection Type, Source, Destination, Direction (Send, Receive, Both))

(include the System, Connection Method, Connection Type, Source, Destination, Direction (Send, Receive, Both))

(Open Response Area)

41 What is the EIS connection methodology to transmit and/or receive data to and/or from CPRS? (include the System, Connection Method, Connection Type, Source, Destination, Direction (Send, Receive, Both) (include the System, Connection Method, Connection Type, Source, Destination, Direction (Send, Receive, Both)  
(Open Response Area)

42 What is the EIS connection methodology to transmit and/or receive data to and/or from Cerner? (include the System, Connection Method, Connection Type, Source, Destination, Direction (Send, Receive, Both) (include the System, Connection Method, Connection Type, Source, Destination, Direction (Send, Receive, Both)  
(Open Response Area)

43 What happens to EIS functionality when the links to VistA or Cerner EHR break? Response must include: identification of function lost, impact to both procedure rooms and travel carts, and include affected interface/interoperability for CERNER, VistA, VistA Imaging, and/or CPRS)  
Response must include: identification of function lost, impact to both procedure rooms and travel carts, and include affected interface/interoperability for CERNER, VistA, VistA Imaging, and/or CPRS)  
(Open Response Area)

44 What EHR interface/interoperability features does the EIS that your company currently provides have for CERNER in full-live production environments where endoscopy procedures are being performed? (select all that apply, not required to provide a response to each row)

Columns: Inbound, Outbound

Rows:

PowerWorks

AthenaHealth

Office Practicum

SMART on FIHR

Epic

GE Healthcare

eClinicalWorks

Practice Fusion

Medicity

WebConnect

MobileMDs

nDOC

Varian

Nextgen

Allscripts

Atlas

Wound Expert

Medent

Epic Acute

SRS Soft

45 What other EHR interface/interoperability features does the EIS that your company currently provides have for CERNER in full-live production environments where endoscopy procedures are being performed? (include the System, Connection Method, Connection Type, Source, Destination, Direction) (include the System, Connection Method, Connection Type, Source, Destination, Direction (Send, Receive, Both)

**(Open Response Area)**

46 **What EHR interface/interoperability features does the EIS that your company currently provides have for VistA in full-live production environments where endoscopy procedures are being performed? (select all that apply)**

**(select all that apply, not required to provide a response to each row)**

**Columns: Inbound, Outbound**

**Rows:**

**PowerWorks  
AthenaHealth  
Office Practicum  
SMART on FIHR  
Epic  
GE Healthcare  
eClinicalWorks  
Practice Fusion  
Medicity  
WebConnect  
MobileMDs  
nDOC  
Varian  
Nextgen  
Allscripts  
Atlas  
Wound Expert  
Medent  
Epic Acute  
SRS Soft**

47 **What EHR interface/interoperability features does the EIS that your company currently provides have for VistA Imaging in full-live production environments where endoscopy procedures are being performed? (select all that apply)**

**(select all that apply, not required to provide a response to each row)**

**Columns: Inbound, Outbound**

**Rows:**

**PowerWorks  
AthenaHealth  
Office Practicum  
SMART on FIHR  
Epic  
GE Healthcare  
eClinicalWorks  
Practice Fusion  
Medicity  
WebConnect  
MobileMDs  
nDOC  
Varian  
Nextgen  
Allscripts  
Atlas**

Wound Expert  
Medent  
Epic Acute  
SRS Soft

- 48 What EHR interface/interoperability features does the EIS that your company currently provides have for VistA/CPRS in full-live production environments where endoscopy procedures are being performed?  
(select all that apply, not required to provide a response to each row)

Columns: Inbound, Outbound

Rows:

PowerWorks  
AthenaHealth  
Office Practicum  
SMART on FHIR  
Epic  
GE Healthcare  
eClinicalWorks  
Practice Fusion  
Medicity  
WebConnect  
MobileMDs  
nDOC  
Varian  
Nextgen  
Allscripts  
Atlas  
Wound Expert  
Medent  
Epic Acute  
SRS Soft

- 49 What other EHR interface/interoperability features does the EIS that your company currently provides have for VistA, VistA Imaging, or VistA/CPRS in full-live production environments where endoscopy procedures are being performed? (include the System, Connection Method, Connection Type, Source, Destination, Direction (Send, Receive, Both))

(include the System, Connection Method, Connection Type, Source, Destination, Direction (Send, Receive, Both))

(Open Response Area)

- 50 Identify those data fields provided by the EIS that your company currently provides that allow for easy endoscopy procedure documentation in full-live production environments where endoscopy procedures are being performed: (select all that apply)

(select all that apply)

Assessments  
Complications  
Pathology Fluid samples obtained  
Adverse Events  
Anticoagulation/Anti-platelet Therapy  
Appendiceal Orifice Photographed  
ASA Category  
Bowel Prep Quality

**Procedure Indication**  
**Procedure Type**  
**Colorectal Neoplasm Risk Assessment for this procedure**  
**Culture obtained**  
**Current History & Physical ed on Chart**  
**Depth of insertion**  
**Diagnosis**  
**Diagnostic code**  
**Diagnostic impression**  
**Did the Fellow Physician perform the procedure**  
**Diet Instructions**  
**Disposition**  
**Endoscopy Suite Location**  
**Endoscopy Suite Teaching Status**  
**Endoscopy Suite Type**  
**Endoscopy Facility ID**  
**Procedure**  
**Estimated Blood loss**  
**Findings**  
**Follow-up Interval for Next Colonoscopy Changed Due to Bowel Preparation**  
**Follow-up Interval**  
**High Risk Reasons**  
**Ileocecal Valve Photographed**  
**Indication**  
**Informed Consent ed in Medical Record**  
**INR**  
**Limitations of examination**  
**Medical Emergency Contact Number**  
**Medication administered by**  
**Medication Resumption/Orders Given**  
**Medication type**  
**Moderate sedation start time.**  
**Moderate sedation stop time.**  
**Monitoring (EKG, O2, BP, LOC, etc.)**  
**Physician/Endoscopist(s)**  
**Physician Assistant(s)**  
**Other Staff**  
**Number of Polyps Removed During Colonoscopy Procedure**  
**Number Polyps Partially Removed During Colonoscopy Procedure**  
**Number Polyps Retrieved During Colonoscopy Procedure**  
**Pathology Tissue Obtained**  
**Pathology Results**  
**Patient Birth Date**



**Patient Ethnicity**  
**Patient Gender**  
**Patient Height**  
**Patient Identifier**  
**Patient Insurance Type**  
**Patient Name**  
**Patient Race**  
**Patient Type**  
**Patient Weight**  
**Patient Zip Code**  
**Physician ID (NPI)**  
**Physician Specialty**  
**Platelet Count**  
**Polyp Morphology Described**  
**Polyp Size Described**  
**Post-procedure details about the samples**  
**Potential Delayed Complications**  
**Procedure Code**  
**Procedure Date**  
**Procedure End Time**  
**Procedure Performed by**  
**Procedure Start Time**  
**Procedure Supervised by**  
**Procedures Performed**  
**Quantitative Culture**  
**Recommendations for subsequent care**  
**Relevant history and physical examination**  
**Results of therapeutic intervention**  
**Return to Activities**  
**Room Ready Time**  
**Sedation Administered by**  
**Sedation Type**  
**Site of Biopsy**  
**Site of Brushing**  
**Site of Washing**  
**Supervision Level**  
**Terminal Ileum Photographed**  
**Time between insertion and reaching the cecum (in minutes)**  
**Endoscopic Instrument Type**  
**Endoscopic Instrument Serial Number**  
**Endoscopic Instrument Equipment Entry Number (Barcode Number)**  
**Wheels Out Time**  
**Withdrawal time from Cecum to anus (in minutes)**

Written Discharge Instructions

Year of Fellowship

Year of previous colonoscopy

None of the above

51

Regarding the EIS that your company currently provides, which data elements from the list below are included in the software application and automatically send and/or receive, to and/or from VistA, VistA CPRS, in full-live production environments where endoscopy procedures are being performed? This interoperability automatically populates these endoscopy procedure data elements/objects from the EIS into designated and discrete fields in VistA/CPRS and/or from VistA into designated and discrete fields in the EIS. (select all that apply)

(select all that apply, not required to provide a response to each row)

Columns: Send, Receive, Both, N/A

Rows:

Assessments

Complications

Pathology Fluid samples obtained

Adverse Events

Anticoagulation/Anti-platelet Therapy

Appendiceal Orifice Photographed

ASA Category

Bowel Prep Quality

Procedure Indication

Procedure Type

Preparation Quality

Colorectal Neoplasm Risk Assessment for this procedure

Culture obtained

Current History & Physical ed on Chart

Depth of insertion

Diagnosis

Diagnostic code

Diagnostic impression

Did the Fellow Physician perform the procedure

Diet Instructions

Disposition

Endoscopy Suite Location

Endoscopy Suite Teaching Status

Endoscopy Suite Type

Endoscopy Facility ID

Procedure

Estimated Blood loss

Findings

Follow-up Interval for Next Colonoscopy Changed Due to Bowel Preparation

Follow-up Interval

**High Risk Reasons**

**Ileocecal Valve Photographed**

**Indication**

**Informed Consent ed in Medical Record**

**INR**

**Limitations of examination**

**Medical Emergency Contact Number**

**Medication administered by**

**Medication Resumption/Orders Given**

**Medication type**

**Moderate sedation start time.**

**Moderate sedation stop time.**

**Monitoring (EKG, O2, BP, LOC, etc.)**

**Physician/Endoscopist(s)**

**Physician Assistant(s)**

**Other Staff**

**Number of Polyps Removed During Colonoscopy Procedure**

**Number Polyps Partially Removed During Colonoscopy Procedure**

**Number Polyps Retrieved During Colonoscopy Procedure**

**Pathology Tissue Obtained**

**Pathology Results**

**Patient Birth Date**

**Patient Ethnicity**

**Patient Gender**

**Patient Height**

**Patient Identifier**

**Patient Insurance Type**

**Patient Name**

**Patient Race**

**Patient Type**

**Patient Weight**

**Patient Zip Code**

**Physician ID (NPI)**

**Physician Specialty**

**Platelet Count**

**Polyp Morphology Described**

**Polyp Size Described**

**Post-procedure details about the samples**

**Potential Delayed Complications**

**Procedure Code**

**Procedure Date**

**Procedure End Time**

**Procedure Performed by**

Procedure Start Time  
Procedure Supervised by  
Procedures Performed  
Quantitative Culture  
Recommendations for subsequent care  
Relevant history and physical examination  
Results of therapeutic intervention  
Return to Activities  
Room Ready Time  
Sedation Administered by  
Sedation Type  
Site of Biopsy  
Site of Brushing  
Site of Washing  
Supervision Level  
Terminal Ileum Photographed  
Time between insertion and reaching the cecum (in minutes)  
Endoscopic Instrument Type  
Endoscopic Instrument Serial Number  
Endoscopic Instrument Equipment Entry Number (Barcode Number)  
Wheels Out Time  
Withdrawal time from Cecum to anus (in minutes)  
Written Discharge Instructions  
Year of Fellowship  
Year of previous colonoscopy  
None of the above

52

Regarding the EIS that your company currently provides, which data elements from the list below are included in the software application and automatically send and or receive, to and/or from Cerner, in full-live production environments where endoscopy procedures are being performed? This interoperability automatically populates these endoscopy procedure data elements/objects from the EIS into designated and discrete fields in Cerner and/or from Cerner into designated and discrete fields in the EIS.

(select all that apply, not required to provide a response to each row)

Columns: Send, Receive, Both, N/A

Rows:

Assessments  
Complications  
Pathology Fluid samples obtained  
Adverse Events  
Anticoagulation/Anti-platelet Therapy  
Appendiceal Orifice Photographed  
ASA Category  
Bowel Prep Quality  
Procedure Indication  
Procedure Type

Preparation Quality  
Colorectal Neoplasm Risk Assessment for this procedure  
Culture obtained  
Current History & Physical ed on Chart  
Depth of insertion  
Diagnosis  
Diagnostic code  
Diagnostic impression  
Did the Fellow Physician perform the procedure  
Diet Instructions  
Disposition  
Endoscopy Suite Location  
Endoscopy Suite Teaching Status  
Endoscopy Suite Type  
Endoscopy Facility ID  
Procedure  
Estimated Blood loss  
Findings  
Follow-up Interval for Next Colonoscopy Changed Due to Bowel Preparation  
Follow-up Interval  
High Risk Reasons  
Ileocecal Valve Photographed  
Indication  
Informed Consent ed in Medical Record  
INR  
Limitations of examination  
Medical Emergency Contact Number  
Medication administered by  
Medication Resumption/Orders Given  
Medication type  
Moderate sedation start time.  
Moderate sedation stop time.  
Monitoring (EKG, O2, BP, LOC, etc.)  
Physician/Endoscopist(s)  
Physician Assistant(s)  
Other Staff  
Number of Polyps Removed During Colonoscopy Procedure  
Number Polyps Partially Removed During Colonoscopy Procedure  
Number Polyps Retrieved During Colonoscopy Procedure  
Pathology Tissue Obtained  
Pathology Results  
Patient Birth Date  
Patient Ethnicity  
Patient Gender  
Patient Height  
Patient Identifier  
Patient Insurance Type  
Patient Name  
Patient Race  
Patient Type

Patient Weight  
Patient Zip Code  
Physician ID (NPI)  
Physician Specialty  
Platelet Count  
Polyp Morphology Described  
Polyp Size Described  
Post-procedure details about the samples  
Potential Delayed Complications  
Procedure Code  
Procedure Date  
Procedure End Time  
Procedure Performed by  
Procedure Start Time  
Procedure Supervised by  
Procedures Performed  
Quantitative Culture  
Recommendations for subsequent care  
Relevant history and physical examination  
Results of therapeutic intervention  
Return to Activities  
Room Ready Time  
Sedation Administered by  
Sedation Type  
Site of Biopsy  
Site of Brushing  
Site of Washing  
Supervision Level  
Terminal Ileum Photographed  
Time between insertion and reaching the cecum (in minutes)  
Endoscopic Instrument Type  
Endoscopic Instrument Serial Number  
Endoscopic Instrument Equipment Entry Number (Barcode Number)  
Wheels Out Time  
Withdrawal time from Cecum to anus (in minutes)  
Written Discharge Instructions  
Year of Fellowship  
Year of previous colonoscopy  
None of the above

53

Indicate the processes that the EIS that your company currently provides for CERNER EHR in full-live production environments where endoscopy procedures are being performed: (select all that apply)

- Automatically creates a copy of the complete endoscopy procedure documentation in PDF format
- Automatically creates a copy of the complete endoscopy images in PDF format
- Automatically sends a copy of the complete endoscopy procedure documentation in PDF format to EHR
- Automatically sends a copy of the complete endoscopy images in PDF format to EHR
- Creates text file formats for storage in EHR
- Creates image file formats for storage in EHR
- None of the above

- 54 Identify those current reporting-tool features of the EIS solution your company currently provides:  
(select all that apply)  
(select all that apply)
- Is an easy to use report builder software that enables the users to search any combination of discrete structured endoscopy data elements
  - Allows end users to execute and save queries, run properly constructed analytical and quality reports from the EIS software
  - Allows users to view and export and save the report results to editable CSV, Excel, XML, HTML, raw text and PDF formats
  - Allows end users to query any or all discrete data elements as desired by the user
  - Allows the EIS user to use the data at any level (facility, health care system, VISN, District, National)
  - Provides an unlimited number of EIS users in a facility, VISN, District, National level to run quality reports using the EIS software
  - Creates and displays both tabular and visualizations (charts, graphs, plots, etc.)
  - Provides the ability for the report to be automated, scheduled to run, published and transmitted
  - None of the above
- 55 Is the EIS that your company currently provides capable of exporting all endoscopy data as discrete data to the VA Enterprise/Corporate Data Warehouse (CDW) for query and reporting?  
Yes  
No
- 56 Can the EIS that your company currently provides be integrated with VA's network time server (NTS) to automatically synchronize date/time stamps on procedural events as they occur?  
Yes  
No
- 57 Can the EIS that your company currently provides interface with IMEDConsent and the Veterans Health Library to create instructions for patients within the endoscopy software application?  
Yes  
No
- 58 Can the EIS that your company currently provides interface with Implant Tracking Registries (ITR) to enable information about implants performed as part of the endoscopy procedure(s) to be tracked in the endoscopy software application for inclusion into the ITR?  
Yes  
No
- 59 Can the EIS that your company currently provides interface with the Reliability Management System (RMS) to enable endoscopes to be tracked in the EIS?  
Yes  
No
- 60 Can the EIS that your company currently provides interface with the Reliability Management System (RMS) to enable endoscopes to be tracked in the EIS?  
Yes  
No

61 To what extent does the EIS that your company currently provides allow users to query data and create various analytical and quality assurance reports in full-live production environments where endoscopy procedures are being performed? Identify those user data and reporting capabilities that are included in the EIS that your company offers: (select all that apply)

(select all that apply)

Pulmonary Endoscopy information

GI Endoscopy information

All Endoscopy information

Ad-hoc (query any data element or combination of data elements apply any condition, range, etc.)

Customized data queries

No-show appointment information

Adenoma detection rate data

Audit trail data

Cecal intubation rates

Patients due for procedure reporting

Cancelled appointment reporting

Signed procedure reports

Unsigned procedure reports

Procedure count data

Staff performance data

Workload efficiency data/reports

ERCP bile duct cannulation rates

Endoscope usage reporting

Endoscopy room and cart usage reporting

Implanted device reporting

Unsigned chart notes

Surveillance, recall and tracking reporting

Most used medications reporting

Staff information reporting

None of the above

61 Identify any other user data and reporting capabilities that are included in the EIS that your company offers:  
(Open Response Area)

62 Can the data, from those elements you identified in the previous question, be queried across EIS instances among different VHA facilities at various locations?

Yes

No

63 Can the data, from those elements you identified in the previous question, be readily accessed by the end user (RN/MD) with designated user permissions?

Yes

No



64 Does the EIS that your company currently provides have the capability auto-populates the patient appointment schedule from into endoscopy software application in full-live production environments where endoscopy procedures are being performed? (select all that apply)

(select all that apply)

Columns: Yes, No

Rows:

Vista

Cerner

65 Does the EIS that your company currently provides have the capability import staff information into the endoscopic software application in full-live production environments where endoscopy procedures are being performed? (select all that apply)

(select all that apply)

Columns: Yes, No

Rows:

Vista

Cerner

66 Does the EIS that your company currently provides associate orders, order numbers and ordering physicians with the endoscopy procedure note in full-live production environments where endoscopy procedures are being performed? (select all that apply)

(select all that apply)

Columns: Yes, No

Rows:

Vista

Cerner

67 Does the EIS that your company currently provides have CPT and ICD features to create endoscopy procedure charges in full-live production environments where endoscopy procedures are being performed? (select all that apply)

(select all that apply)

Columns: Yes, No

Rows:

Vista

Cerner

68 Does the EIS that your company currently provides have the capability to receive master file notifications to update provider demographic information in full-live production environments where endoscopy procedures are being performed? (select all that apply)

(select all that apply)

Columns: Yes, No

Rows:

Vista

Cerner

69 Does the EIS that your company currently provides allow users to view information that is synchronized with the endoscopy software application (Clinical Context Object Workgroup (CCOW) enabled) in full-live production environments where endoscopy procedures are being performed? (select all that apply)  
(select all that apply)

Columns: Yes, No

Rows:

Vista

Cerner

70 Does the EIS that your company currently provides allow electronic signing and co-signing of endoscopy documentation (e.g., endoscopy procedure reports, report addendums, assessments, plans) in full-live production environments where endoscopy procedures are being performed? (select all that apply)  
(select all that apply)

Columns: Yes, No

Rows:

Vista

Cerner

71 Does the EIS that your company provides have the capability to proactively monitor and ensure the interfaces and data transfer links between the EIS and all other systems are operational and maintained consistently?

Yes

No

72 Does the EIS that your company currently provides have the capability to upload data to disease registries (e.g., hepatitis, colon cancer, etc.)

Yes

No

73 Does the EIS that your company provides currently upload data to GI Quality Improvement Consortium (GIQuIC)?

Yes

No

74 Does the EIS that your company provides currently allow users to view signed endoscopy procedure reports created in the endoscopy software application, in a standard location in the EHR applications, regardless of the VA facility where the procedure was performed, in full-live production environments where endoscopy procedures are being performed? (select all that apply)  
(select all that apply)

Columns: Yes, No

Rows:

Vista

Cerner

75 Does the EIS that your company provides currently allow toggling (foreground/background continuous functionality) between the endoscopy software application and EHR applications, in full-live production environments where endoscopy procedures are being performed? (select all that apply)  
(select all that apply)

Columns: Yes, No

Rows:

Vista

Cerner

76 Does the EIS that your company provides currently allow the Endoscopist to complete and close the consult in the EHR applications via completing the consult in the EIS, in full-live production environments where endoscopy procedures are being performed? (select all that apply)  
(select all that apply)

Columns: Yes, No

Rows:

Vista

Cerner

77 Does the EIS that your company provides currently automatically capture and integrate vital sign monitor data into the endoscopy documentation software application, without staff intervention, in full-live production environments where endoscopy procedures are being performed?

Yes

No

78 Identify the equipment manufacturers that have user interface solutions that seamlessly integrate with the EIS that your company currently provides to automatically capture and integrate vital sign monitor data into the endoscopy documentation software application, without staff intervention, in full-live production environments where endoscopy procedures are being performed: (select all that apply)  
(select all that apply)

Draeger

GE

Nihon Kohden

Philips

Welch Allyn

None of the above

79 Please provide the model(s) and physiological parameters for Draeger user interface solutions that seamlessly integrate with the EIS that your company currently provides:

(Open Response Area)

80 Please provide the model(s) and physiological parameters for GE user interface solutions that seamlessly integrate with the EIS that your company currently provides:

(Open Response Area)

81 Please provide the model(s) and physiological parameters for Nihon Kohden user interface solutions that seamlessly integrate with the EIS that your company currently provides:

(Open Response Area)

- 82 Please provide the model(s) and physiological parameters for Philips user interface solutions that seamlessly integrate with the EIS that your company currently provides:

(Open Response Area)

- 83 Please provide the model(s) and physiological parameters for Welch Allyn user interface solutions that seamlessly integrate with the EIS that your company currently provides:

(Open Response Area)

- 84 Identify any other OEM(s) user interface solutions that seamlessly integrates with the EIS that your company currently provides to automatically capture and integrate vital sign monitor data into the endoscopy documentation software application, without staff intervention, in full-live production environments where endoscopy procedures are being performed. Include in your response the model and physiological parameters.

(Open Response Area)

- 85 Does the EIS that your company currently provides automatically import captured still images, video and data from endoscopes in real time for inclusion into the endoscopy software application without staff intervention, in full-live production environments where endoscopy procedures are being performed?

Yes

No

- 86 Identify the OEM manufacturers of equipment/tools that provide full integration with the EIS that your company currently provides to automatically import captured still images, video and data from endoscopes in real time for inclusion into the endoscopy software application without staff intervention, in full-live production environments where endoscopy procedures are being performed: (select all that apply)

(select all that apply)

Aesculap

Fuji

Karl Storz

Olympus

Pentax

PolyDiagnost

Richard Wolf

Smith & Nephew

Stryker

None of the above

- 87 Please provide the model(s) and physiological parameters for the Aesculap equipment/tools that provide full integration with the EIS that your company currently provides. Response to include: model, image type and format

(Open Response Area)

- 88 Please provide the model(s) and physiological parameters for the Fuji equipment/tools that provide full integration with the EIS that your company currently provides. Response to include: model, image type and format

(Open Response Area)

89 Please provide the model(s) and physiological parameters for the Karl Storz equipment/tools that provide full integration with the EIS that your company currently provides. Response to include: model, image type and format:

(Open Response Area)

90 Please provide the model(s) and physiological parameters for the Olympus equipment/tools that provide full integration with the EIS that your company currently provides. Response to include: model, image type and format:

(Open Response Area)

91 Please provide the model(s) and physiological parameters for the Pentax equipment/tools that provide full integration with the EIS that your company currently provides. Response to include: model, image type and format:

(Open Response Area)

92 Please provide the model(s) and physiological parameters for the PolyDiagnost equipment/tools that provide full integration with the EIS that your company currently provides. Response to include: model, image type and format:

(Open Response Area)

93 Please provide the model(s) and physiological parameters for the Richard Wolf equipment/tools that provide full integration with the EIS that your company currently provides. Response to include: model, image type and format:

(Open Response Area)

94 Please provide the model(s) and physiological parameters for the Smith & Nephew equipment/tools that provide full integration with the EIS that your company currently provides. Response to include: model, image type and format:

(Open Response Area)

95 Please provide the model(s) and physiological parameters for the Stryker equipment/tools that provide full integration with the EIS that your company currently provides. Response to include: model, image type and format:

(Open Response Area)

96 Identify the quality control features that the EIS solution your company currently provides in full-live production environments where endoscopy procedures are being performed: (select all that apply) (select all that apply)

Allows custom data entry and data quality rule creation

Monitors data entry and data quality rules

Enforces data entry and data quality rules by triggering rule actions

Automatically directs charts to others for completion

Automatically prompts users for required documentation at the appropriate point when necessary

Automatically prompts users to ensure adherence to specific treatment plans, protocols and guidelines

Displays items that require immediate attention via notifications or pop ups

Restricts the end user to circumvent intended quality assurance controls For example, EIS has required fields and can limit the response options/choices which forces the user to select one of the required options/choices The EIS does not allow the end user to pick one of the required field options and then modify it in the procedure report The EIS does not allow the user to circumvent the rules

Requires the user to enter all required fields before signing the procedure report

Provides patient tracking for surveillance (follow up appointments, recalls)

Provides for patient tracking the patient through the endoscopy procedure process and displaying the status of the patient on a display

None of the above

97 Please provide any other quality control features for the EIS solution your company currently provides has in full-live production environments where endoscopy procedures are being performed:  
(Open Response Area)

98 Identify the alerts/notification features that the EIS solution your company currently provides in full-live production environments where endoscopy procedures are being performed: (select all that apply)  
(select all that apply)

Alerts/notification for data entry and data quality rule violations

Alerts/notifications that changes will be lost if the procedure is closed without first saving the changes

Alerts/notifications when attempting to enter free text in discrete data fields (limits and controls free text entry)

Alerts/notifications identifying charts with incomplete or missing information

Alerts/notifications for mismatched information between discrete data fields (captures and alerts the user to obvious clinical mismatches such as fields that are in conflict with clinical protocols)

Alerts/notifications for non-compliance with clinical guidelines

Alerts/notifications for outstanding tasks

Provides a monitoring process to ensure minimizing false alarms

None of the above

98 Please provide any other alerts/notification features for the EIS solution your company currently provides has in full-live production environments where endoscopy procedures are being performed:  
(Open Response Area)

99 Does the EIS that your company currently provides create comprehensive endoscopy procedure reports that are generated efficiently during the EIS data entry process in full-live production environments where endoscopy procedures are being performed?

Yes

No

100 Identify those pathology features of the EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed? (select all that apply)  
(select all that apply)

Creates Pathology Labels

Creates Pathology Requisition Forms

Automatically calculates ADR

Interfaced and integrated by automatically pulling adenoma findings from pathology data located in the EHR For example, CPRS and CERNER pathology results are connected and searchable to yield an ADR  
None of the above

- 100 Identify any other pathology features of the EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed:  
(open response area)
- 101 Identify those dictation features of the EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed: (select all that apply)  
(select all that apply)  
Inserts dictation markers  
Dictates sections of chart note  
Dictates while navigating through chart  
Integrated speech recognition capabilities  
Inserts normal GI and Pulmonary findings macros within medical records  
Is compatible with Nuance enterprise software  
Allows for system navigation  
Allows for hands free documentation during the procedure  
None of the above
- 101 Identify any other dictation features of the EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed:  
(open response area)
- 102 Identify those diagram features of the EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed: (select all that apply)  
(select all that apply)  
Inserts anatomical diagrams and markups into the documentation  
Allows user to view findings as they relate to the body part being studied  
Allows user to add labels to the findings on the endoscopy application diagram  
Allows user to move the label of the findings of the body part being studied on the GI endoscopy application diagram  
None of the above
- 102 Identify any other diagram features of the EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed:  
(open response area)
- 103 Identify those information process features below that the EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed? (select all that apply)  
(select all that apply)  
Allows user to view multiple patient records concurrently  
Generates patient discharge instructions and teaching material handouts  
Incorporates assessments and plans into the endoscopy procedure report

Allows customization of workflow, data flow, protocols, templates and views based on organization and physician's objectives

Provides shortcuts that will automatically produce text in the documentation

Capable of intuitive learning during documentation based on user input

Provides mouse-over icon explanations

Provides medical spell check

Provides selectable standard endoscopy medical terminology

Provides preconfigured mandatory drop-down menus, choice lists, checklists, and/or data fields without any duplicate documentation

Provides touch screen capability

None of the above

103 Identify any other information process features that the EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed: (open response area)

104 Identify those patient and staff record features that EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed: (select all that apply) (select all that apply)

Creation and management (enter, save, select, edit, view print, archive, etc.) of Endoscopy Patient records as allowed by organization's policy

Creation and management (enter, save, select, edit, view print, archive, etc.) of Endoscopy Staff member records as allowed by organization's policy

Neither of the above

104 Identify any other patient and staff record features that the EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed: (open response area)

105 Please identify any ease of use features that the EIS that your company currently provides has in full-live production environments where endoscopy procedures are being performed? (select all that apply)

Does not require significant clinical staff time to implement

Does not require extensive training for new staff to be able to use it

Is user friendly, pleasant and satisfying to use, quick and easy to navigate

Streamlines the stages of GI and Pulmonary endoscopy procedure documentation

Minimizes the amount of typing and the number of mouse-clicks used during endoscopy procedure documentation

Minimizes disruption of clinical and technical operations

Does not have functionality perceived by users as issues or bugs in the software that should not be in production

Provides efficient anticipatory, intuitive workflow, data entry, maneuvers and navigation

Documents complete and accurate information in the procedure report in response to pick list or checked selections

Prevents EIS documentation errors that could be caused by user interaction and helps user easily and quickly recover from any errors that may occur

None of the above



105 Identify any other ease of use features that the EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed?  
(open response area)

106 What is the average time for report generation?  
(open response area)

107 Please identify any image management features that the EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed? (select all that apply)

- Compatible with GI and Pulmonary procedure report from all major brands of endoscopes and capsule cameras
- Uses HDMI, HD, SDI and/or composite video sources from multiple sources
- Captures HD still images and HD
- Compresses still and video images
- Allows for quick and easy image management including capture, save, select, retrieve, display, zoom, send, print, attach, markup, annotate, compare, etc.)
- Provides video editing to cut length of video time to focus on key segments from GI and Pulmonary endoscopy systems
- Allows thumbnail view of the images
- Allows the user to add/modify images
- Imports, incorporates/embeds images into the GI and Pulmonary procedure report
- Exports images into commercial Picture Archive and Communication System(s) (PACS), VistA Imaging and Cerner
- Associates imported images with specific findings in the GI and Pulmonary endoscopy application
- Provides the ability to add standard and/or custom labels/footnotes to images
- None of the above

107 Identify any other image management features that the EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed:  
(open response area)

108 Indicate those scheduling features that the EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed: (select all that apply)

- Select the patient
- Enter/Edit a new procedure
- Enter/Edit the procedure type and location
- Enter/Edit the procedure date, start time, end time and duration
- Enter/Edit the name of Endoscopist
- Enter/Edit the date of the procedure appointment
- Change the status of an appointment to Cancel or No Show
- Select, View, Save and Delete the appointment
- View physician schedules concurrently
- View appointments that have been scheduled, but a procedure record has not been created
- View appointments where the patient failed to show

**View appointments for a specific date in the calendar** Allows user to look ahead to see the scheduled appointments

**View a calendar of appointments that displays information by room and Endoscopist**

**View appointments that have associated notes**

**Automatically generate patient schedule reminder cards that can be printed**

**Print appointment schedules**

**None of the above**

**108 Provide information regarding any other scheduling features that the EIS that your company currently provides in full-live production environments where endoscopy procedures are being performed: (open response area)**

**109 Briefly describe how the endoscopy user "check-in patients" using the EIS that your company currently provides?**

**(open response area)**

**110 Identify those features of the EIS that your company currently provides have various GI and Pulmonary specific template features in full-live production environments where endoscopy procedures are being performed: (select all that apply)**

**Complies with national documentation standards**

**Generates particular templates for the type of physician specialty and appointment type**

**Uses point and click choice lists based on logical tree-hierarchy syntax**

**Creates new templates based on previously saved template content**

**Allows template customization to meet the organization and physician's need**

**None of the above**

**111 Is your company's EIS solution compatible with end-user Electronic and Information Technology (EIT) to satisfy a requirement to be Section 508 compliant?**

**Yes**

**No**

**112 Identify those policies/standards where your company has experience with EIS system design/configuration compliance: (select all that apply)**

**VA Handbook 6500**

**National Institute of Standards and Technology (NIST) Special Publication (SP) 800-53 Revision 3**

**NIST SPs (including SP 800 27)**

**Common errors such as the ones at [www.sans.org/top25](http://www.sans.org/top25)**

**Desktop software compatibility with the Federal Desktop Core Configuration (FDCC)**

**None of the above**

**113 Is your company's EIS solution designed to work in a service oriented architecture (SOA)?**

**Yes**

**No**

114 Is your company's EIS solution FIPS 140-2 compliant?

Yes

No

115 Please identify the features below that apply to the EIS solution your company currently provides in full-live production environments where endoscopy procedures are performed? (select all that apply)

Runs on the VA OIT Gold Standard Image

Operates in Citrix environment

Provides barcode scanning to read, import and automatically document the scope, devices and patient information

Includes standard redundancies and protections

Includes a system backup infrastructure

Includes a fail-over system

Inherits User Access policies from the organization (e.g. GPO's or local access SOP)

Includes a system contingency plan

Includes documented recovery and reconstitution procedures

Supports multi-factor authentication for local access to privileged accounts

Includes proactive real-time monitoring that indicates system status and alerts users and technical staff when system issues occur The solution detects technical issues/problems before they are discovered by the users

Provides facility level, Health Care System enterprise level and regional level access Has the capability to provide District level and National level access that includes ability for designated users at any level to read all EIS information and run data queries and quality assurance reports

Allows the System Administrator to run audits including user access

Provides the System Administrators control of assigning new user roles within 60 minutes (e.g. a new surgery resident shows up in a facility and can be added and assigned roles/permissions within 60 minutes of the system administrator being notified)

Provides the System Administrators access to add users and manage user accounts (create, edit, modify, save, remove, revoke, audit, archive, etc.) including user local and remote access, default setting and customization

Provides complete functionality, including in both endoscopy procedure rooms and on mobile travel carts, even when the organization's network is down (i.e. users are able to store images from procedures in the event of a network outage) without any loss of data

None of the above

115 What other features does the EIS solution your company currently provides have in full-live production environments where endoscopy procedures are performed? Include which nursing documentation items are included in the EIS and which ones are separate optional items.

(open response area)

116 Briefly describe any nursing documentation components that are included in the EIS that your company currently provides. Identify which nursing documentation items are included in the EIS and which ones are separate optional items.

(open response area)

117 Installation of EIS will require the migration of up to five (5) years of prior exam history from legacy systems, does your company have the staff with expertise to address a requirement for the migration of historical patient data?

Yes

No

118 Does the EIS currently provided by your company have data extraction features for research and quality control purposes?

Yes

No

119 Which brands of EIS solutions is your company capable of, and has past experience with, providing data migration services including migrating EIS data from legacy EIS into the new EIS that your company currently provides. (Response must include: Legacy EIS Manufacturer, Description, Number of Facilities migrated, Number of endoscopy records migrated, Start to Finish Days, VA owned legacy systems)

Response must include: Legacy EIS Manufacturer, Description, Number of Facilities migrated, Number of endoscopy records migrated, Start to Finish Days, VA owned legacy systems (Yes, No)

(Open-ended response)

120 Does your company have sufficient number of staff to perform at least at least 5 simultaneous tasks for project management, installation, configuration, customization, implementation, data migration services, training, go-live support, maintenance and support, interface support, testing, reporting and documentation at different VHA locations?

Yes

No

121 What customer tasks and responsibilities does your company expect to see during an EIS project, from start to finish from VA Clinical Champions? For example, attend meetings, data mapping, workflow analysis, work on gathering information for preloading content lists, testing activities, etc. (Include Task and Time Requirements)

(Include Task and Time Requirements)

(Open-ended response)

122 What customer tasks and responsibilities does your company expect to see during an EIS project, from start to finish from VA Nurses? For example, attend meetings, data mapping, workflow analysis, work on gathering information for preloading content lists, testing activities, etc. (Include Task and Time Requirements)

(Include Task and Time Requirements)

(Open-ended response)

123 What customer tasks and responsibilities does your company expect to see during an EIS project, from start to finish from VA Technical Experts? For example, attend meetings, data mapping, workflow analysis, work on gathering information for preloading content lists, testing activities, etc. (Include Task and Time Requirements)

(Include Task and Time Requirements)

(Open-ended response)

124 What other customer roles and responsibilities does your company expect to see during an EIS project, from start to finish? For example, attend meetings, data mapping, workflow analysis, work on gathering information for preloading content lists, testing activities, etc. (include task and time requirement expectations for each VA Staff role)

(Open-ended response)

125 Does your company have experience with applicable Federal and VA IT security and privacy policies, standards, regulations and statutes? (guidance and directives from the VA CIO's office is accessible to the public on the agency website: [www.oit.va.gov](http://www.oit.va.gov))

(guidance and directives from the VA CIO's office is accessible to the public on the agency website: [www.oit.va.gov](http://www.oit.va.gov))

Yes

No

126 Does your company currently have a Business Associate Agreement (BAA) with the VA?

Yes

No

127 Does your company currently have an Interconnection Security Agreement/Memorandum of Understanding (ISA/MOU) with the VA for real time remote maintenance and troubleshooting of the EIS by contractor staff over the VA network?

Yes

No

128 What percentage of your company's personnel, who would perform EIS on-site and/or off-site(remote) services for the EIS, have a current VA Personal Identity Verification (PIV) badge?

< 10%

10% - 25%

26% - 50%

51% - 75%

76% - 90%

>90%

129 What percentage of your company's personnel, who would perform EIS on-site and/or off-site(remote) services for the EIS, have a current VA Talent Management System (TMS) account, have completed VA Privacy and Information Securing Awareness and Rules of Behavior and Privacy training, and have completed HIPAA Training courses?

< 10%

10% - 25%

26% - 50%

51% - 75%

76% - 90%

>90%

130 If your company has experience with any of the following regulatory, policy, and/or compliance organizations for application design, development, and compliance reporting, please select from the following list? (select all that apply)

Institute of Electrical and Electronics Engineers (IEEE)

National Electrical Code (NEC)  
National Fire Protection Association (NEPA)  
Occupational Safety and Health Administration (OSHA)  
Software Configuration Management Plan (SCMP)  
Software Development Plans (SDP)  
Software Documentation Standard  
Software Engineering Manual  
Software Product Evaluation Plan  
Software Safety Aspects  
ISO 9000  
Health Insurance Portability and Accountability Act (HIPAA)  
VA OIT Technical Reference Model (TRM)  
VA Clinical Procedures Package  
Meaningful Use Stage 2 certification (Ambulatory and Inpatient certifications)  
Underwriters Laboratories (UL)  
International Electrotechnical Commission (IEC)  
Integrating the Healthcare Enterprise (IHE)  
Systemized Nomenclature of Medicine Clinical Terms (SNOMED CT)  
Current Procedural Terminology (CPT)  
International Classification of Diseases (ICD)  
Digital Imaging and Communications in Medicine (DICOM) modality interface is VA VistA Imaging Approved  
None of the above

- 131 Identify those phases of the EIS system/software development life cycle currently implemented by your company: (select all that apply)
- CSC integration and testing
  - CSCI testing
  - CSCI/HWCI integration and testing
  - Detail design
  - Implementation and software unit testing
  - Preliminary design
  - Software requirements analysis
  - System integration and testing software aspects only
  - System/software requirements analysis software aspects only
  - None of the above
  - Other, please specify

- 132 Identify those best practices that your firm has integrated into company standards: (select all that apply)
- Capability Maturity Model Integration (CMMI) Level 3 appraisal
  - Data Item/Document Configuration Management and Control
  - DOD-STD-2167, Defense system software development
  - DOD-STD-2167A, Related to mission-critical software development
  - DOD-STD-2168, Department of Defense standard for software quality assurance procedures
  - Incorporation of proven commercial best practices
  - ISO 12207, Systems and software engineering
  - ISO 9003 (Quality Management Systems),
  - JSP 188 (Documentation of software in real-time systems),

J-STD-016, Standard for Event Management System as a Service Software Life Cycle Processes  
MIL-STD-498, Software development and documentation  
NIST guidelines  
Program Evaluation and Review Techniques (PERT)  
Risk Management and Mitigation  
Use of flexible templates  
None of the above

133 What is the average length of time covered by your company's EIS software product warranties?

N/A  
<6 months  
6 months  
1 year  
2 years  
3 years  
4 years  
5 years  
> 5 years

134 What is the average length of time covered by your company's EIS hardware product warranties?

N/A  
<6 months  
6 months  
1 year  
2 years  
3 years  
4 years  
5 years  
> 5 years

135 Does your company include EIS maintenance, software enhancements, updates, upgrades, configuration changes, and other support services with the purchase of an EIS?

Yes, it is included with purchase for a period of time not to exceed the warranty period  
Yes, it is included with purchase throughout the equipment warranty period  
Yes, it is included throughout the duration of the contract period of performance  
No, it is not included and is not available for additional purchase  
No, it is not included but periods of support can be purchased separately  
No, our firm does not provide this type of service under any circumstances  
None of the above

136 What terms are included in the EIS standard warranty provided with purchase of this type of product?  
(select all that apply)

(select all that apply)  
On-site warranty maintenance and support services  
On-line (remote) warranty maintenance and support services  
Software updates  
Software enhancements

Software upgrades  
Emergency software compatibility resolution services  
Hardware updates and upgrades  
Hardware upgrades  
Emergency hardware compatibility resolution services  
On-site Scheduled preventive maintenance service options  
On-line (remote) Scheduled preventive maintenance service options  
On-site Unscheduled corrective maintenance service options  
On-line (remote) Unscheduled corrective maintenance service options  
Emergency software compatibility resolution services  
Downtime recompense  
No warranty offered

137 Regarding EIS equipment management, identify those requirements your company can fully support and finance: (select all that apply)

Provide support for storage  
Provide support for inventory management  
Provide support for provisioning and tracking  
Provide support for device activation  
Provide support for device repair  
Provide support for device decommissioning  
None of the above

138 Regarding EIS software management, identify those requirements your company can fully support and finance:

(select all that apply)  
Provide support for software updates  
Provide support for license purchases and maintenance  
Provide support for provisioning and tracking  
Provide support for device activation  
Provide support for database updates/upgrades  
None of the above

139 On average, how quickly can an EIS be replaced under warranty if it cannot be repaired?

less than or within 24 hours  
>1 day-3 days  
>3days-5days  
>5 days-7 days  
>1 week-10 days  
>10 days or more

140 What is your company's average response rate for system shutdown support?

Columns: < 1 hour, 1 - 2 hours, 3 - 4 hour, > 4 hours, N/A

Rows:

Urgent Priority  
High Priority  
Normal Priority  
Low Priority



- 141 Based on the average response rate, what does your company provide by means of redundancy to prevent long-term disruption in service (>7 hours)?  
(select all that apply)  
Backup System with duplication  
Daily or weekly system maintenance scheduled  
24/7 software/hardware specialists available to address critical malfunctions  
None of the above  
Other, please specify:
- 142 What types of EIS user support services does your company provide? (select all that apply)  
Telephone support (24/7)  
Telephone support (weekdays, 9 - 5 only)  
Software specialist telephone call-back within 1 hour  
Software specialist telephone call-back within 2 hour  
Software specialist telephone call-back within 4 hour  
Software specialist telephone call-back longer than 4 hours  
Company website, Live Chat (24/7)  
Company website, Live Chat (weekdays, 9 - 5 only)  
Company website, ticket submission and tracking (24/7)  
Software specialist on-line, remote support within 1 hour  
Software specialist on-line, remote support within 2 hours  
Software specialist on-line, remote support within 4 hours  
Software specialist on-line, remote support longer than 4 hours  
Software specialist on site within 24 hours of critical malfunction  
Software specialist on site within 48 hours of critical malfunction  
Software specialist on site within 1 week of critical malfunction  
Software enhancement requests support within 30 days  
Software enhancement requests support greater than 30 days  
Software terminology request support within 30 days  
Software terminology request support greater than 30 days  
None of the above
- 143 What is the largest geographic area covered by your firm for this type of work?  
Local availability only  
Within one State only  
Primarily within one state and its bordering states  
Regionally  
Nationally
- 144 Is the EIS solution your company currently provides capable of linking the EIS across multiple facilities where endoscopies are performed via the VA IT network across geographical regions of varying sizes?  
(select all that apply)  
All endoscopy procedure rooms and carts within a facility  
All facility EIS within a Health Care System geographical region (e.g., an entire VA health care system having multiple facilities (campuses) where endoscopies are performed  
All facility EIS within a VISN geographical region (e.g., an entire VISN having multiple Health Care Systems)  
All facility EIS within a District geographical region (e.g., an entire District having multiple VISNs)

All facility EIS within a health care administration organization at the national level (e.g., an entire organization like VHA having multiple Districts within the United States, US Territories, Guam, and the Philippines)

None of the above

145 Does your company currently have teaming arrangements in place to support EIS product/service orders?

Yes

No

146 On an annual basis, what is the total workload capacity that your firm could execute?

Less than \$5M

\$5M to \$10M

\$10M to \$20M

\$20M to \$30M

Greater than \$30M

147 In units, what is your company's monthly capacity to provide EIS equipment and fully functional installation?

1 to 5 units

6 to 10 units

11 to 15 units

16 to 20 units

> 20 units

148 Of your company's total line of credit capacity, what is its remaining capacity after accounting for current and anticipated contracts?

< \$100K

\$100K to \$150K

\$151K to \$200K

\$201K to \$300K

\$301K to \$500K

\$501K to \$1M

\$1.1M to \$5M

\$5.1M to \$15M

\$15.1M to \$30M

> \$30M

149 For the last three year period, what level of your company's work has been related to providing EIS software products/services to healthcare facilities?

5% or less

6% to 10%

11% to 20%

21% to 30%

31% to 40%

41% to 50%

51% to 60%

61% to 70%

71% to 80%

81% to 90%  
91% to 100%

150 Is your company ISO 9000 certified?

Yes  
No

151 Check those areas where your company has an established on-going program: (select all that apply)

Company is a registered establishment with the U.S. Food and Drug Administration (FDA)  
Additional licensure/certification for in-place staff  
Diversity subcontracting  
Ethics/Core Values Training and Audits  
ISO Certification  
HIPAA training and compliance  
Licensure/certification renewals or upgrades for in-place staff  
Limited-Access Site clearance  
Organizational Conflict of Interest Awareness Training  
Organizational Conflict of Interest Mitigation  
Quality assurance/quality control  
Security and Compliance  
Staff advancement  
None of the above

152 Does your company have a project manager on staff who is responsible for project scheduling, coordination, and technical assistance to the VA representative throughout the delivery/task order for each VA site location?

Yes  
No

153 Does your company have an information security officer on staff who is responsible for EIS security assistance to the VA representative throughout the delivery/task order for each VA site location?

Yes  
No

154 Does your company have a contract administrator (manager) on staff to oversee the performance of work for all delivery orders/task orders?

Yes  
No

155 Identify those other best practices that your firm has integrated into company standards: (select all that apply)

FDA approved product verification  
Carbon Pollution Reduction Scheme (CPRS)  
Incorporation of proven commercial best practices  
Program Evaluation and Review Techniques (PERT)  
Risk management and mitigation  
Redundancy plan  
Quality assurance/quality control

- Standardized operating procedures  
None of the above
- 156 How does your company self-evaluate contract performance? (QA = Quality Assurance) (select all that apply)  
Quality Control Program (QCP)  
Customer interviews by corporate leadership or QA group  
Customer interviews by project leadership or QA group  
Customer questionnaires by corporate leadership or QA group  
Customer questionnaires by project leadership or QA group  
Informal random spot-checks  
Internal project reviews, including financial and schedule milestones  
Verification of compliance with project QA Plans or equivalent  
None of the above
- 157 How does your company self-evaluate overall corporate performance? (select all that apply)  
Account Condition Report (ACR)  
Balanced Scorecard  
Benchmarking  
Business Process Improvement  
Customer Satisfaction Questionnaire Analysis  
Employee Round Table  
No corporate practice for company self-evaluation
- 158 Company website address:  
  
(data entry)  
no entry
- 159 After answering the previous questions and review of documents related to this effort (e.g., Draft PWS), would your company be interested in responding to an RFP for this effort as a Prime Vendor?  
Yes  
No
- 160 We welcome your comments and suggestions on this topic:  
  
(open-ended comments area)