STATEMENT OF NEED

I.   <u>Purpose</u>: The Department of Otolaryngology located at the VA Medical Center ENT Clinic 7305 N Military Trail, Attention: 3rd FL West Palm Beach, FL 33410-7417 has a need for endoscopic video and clinical content management capabilities. Brand name or equal Karl Storz to consist of three portable all-in-one video systems to be utilized in patient exam rooms, a complete video tower for the clinic's procedure room, and the conversion of twenty fiberscopes over to CCD and network software for connectivity to Vista.

II.   <u>Scope or Mission</u>: Video endoscopy allows a complete and thorough inspection of the nasal cavities, nasopharynx, oropharynx and hypopharynx providing a more accurate and efficient diagnosis. Moreover, video endoscopy offers the clinician the ability to capture Surgical/Clinical content for documentation purposes. This content can be archived for historical review/comparison and to assess the progression of treatment. The benefit to patient and provider is immeasurable versus the proposed quotation.

III.   <u>Period and Place of Performance</u>: High priority; The Department of Otolaryngology.

IV.   <u>Background</u>: Presently, video endoscopy is not being performed, since the ENT Clinic does not own endoscopic video. Surgical/Clinical content is presently not being captured and documented. Nor, is this content being archived to patient record.

V.   <u>Performance Objectives/Salient characteristics that must be met</u>:

1. Endoscopic Video allows for a complete inspection of the nasal cavities, nasopharynx, oropharynx and hypopharynx providing a more accurate and efficient diagnosis.
2. Improved image quality equals faster and more precise diagnosis.
3. Content Management mechanically links images/videos to patient records saving valuable OR time.
4. Improve data security by eliminating the need for USB and DVD archive methods.

Brand or equal Tele Pack X LED (TPX)
Equivalent brand must meet or exceed:

- Experience a brilliant, brighter, high-contrast image for improved visualization with the built-in 15" LED display
- Image rotation
- Picture gallery for records
- Playback of saved videos
- High-performance LED light source with a lamp life of up to 30,000 operational hours.
- Membrane keyboard for wipe-down disinfection

- Simple User Interface and Patient Management Software
- All images, videos, audio recordings and patient information can be documented during treatment and stored to your preferred media

Brand or equal Image 1 S
Equivalent brand must meet or exceed:

- Modular camera platform that can be customized to meet customer needs
- Combines various applications and technologies in a single system
- Forward and backward compatible
- Easily expandable for new technologies
- Image 1 S CLARA identifies and brightens up dark areas in an otherwise bright image. It does this dynamically and in real time without overexposing the bright part of the image
- Image 1 S CHROMA enhances the visibility of vascularity by increasing red color contrast
- STORZ Communication Bus (SCB) device control. Control video devices from the sterile field
- 20 custom video presets
- 32" 4K monitor provides an enhanced magnified image

Brand or equal CCD Video Rhino-Laryngoscope
Equivalent brand must meet or exceed:

- Large full screen image display for improved visualization
- CCD Technology provides superior image quality over fiber
- Lighter handle
- Easier to maneuver to gain best view
- 3 programmable buttons for fingertip control of key functions

Brand or equal StreamConnect NEO
Equivalent brand must meet or exceed:

- Video on Demand (VOD) enables secure management of Surgical/Clinical Content, eliminating portable media. Images and videos are pushed from Image Capture Devices to StreamConnect NEO for anytime, anywhere access. Video on Demand allows users to view, publish, edit and modify the Surgical/Clinical Content via standard browsers. It includes innovative Image/Video editing capabilities.
- *ehr*LINC Worklist auto populates Capture Devices with patient and surgical/clinical data before the beginning of procedures. This data includes patient name, patient id, surgeon name, etc.

- *ehr*LINC Archive allows the push of Surgical/Clinical Content, along with patient metadata to permanent storages like PACS, EHR, VNA SAN/NAS, and other systems using DICOM and/or HL7 interfaces.