SPECIFICATIONS FOR LINEV CONPASS SECURITY SCANNING SYSTEM

- System shall be an open frame design where line of site of the individual being scanned is not compromised. The system archway shall be structurally connected on all four sides to maintain precise x-ray beam alignment.
- System shall have a sliding screw-drive platform to transport the individual being scanned through the x-ray beam. Platform capacity shall not be less than 660 LBS. system shall NOT have a conveyor belt.

- System shall have the ability for an operator to initiate the scan locally at the unit via touchscreen. Or remotely from the image review workstation.

- System shall have the capability to allow for two (2) image review workstations.

- Operator controls/interface shall be provided with a standard keyboard and mouse and touchscreen monitors.

- System shall have a minimum of 3 password protected screening modes per view which are fully configurable and capable of producing images ranging from 0.25uSv per scan to 4.0uSv per scan.
- The system must incorporate two (2) dosimeters. One for each x-ray generator/view.
- Dimensions should be approximately 88.97” x 78.74” x 98.42”
- Scanning speed should be fully adjustable at 7-15 seconds.
- Scanner should have capacity to run on a 24-hour continuous duty cycle.
- System shall utilize two (2) 160k V – 200k V x-ray generators and two (2) detector arrays to generate one (1) full body view and one (1) torso view from a single 7-8 second scan.
- System shall utilize a total of 1344 detectors (896 = full body, 448 = torso) arranged in L-shaped array extending over subject to provide undistorted image of head and neck area.
- System shall be able to image 38 AWG.
- Grayscale shall be a minimum of 65,000.
- System shall have a “Marks” feature to allow operators to place a box around and text next to suspect items.
- System shall have a minimum of the following image manipulation tools: Auto enhance – Automatic correction/adjustment of the image, edge enhance, pseudo color, 3D image enhance, 96X zoom & zoom window, brightness adjustment, contrast adjustment.
- Full body image shall be displayed on a minimum 24” 1080P LCD color monitor with minimum resolution of 1920 x 1080.
- Torso view image shall be displayed on a minimum 19” 1080P LCD color monitor with a minimum resolution of 1920 x 1080.
- X-ray dose per inspection: fully adjustable 0.10 – 4.5 uSv 0.25 uSv – for single view, 2.0 uSv – for dual view. Extra low dose dual view setting of 0.50 uSv.

- Digital x-ray detector 832-pixel L-shaped array (full body), 384-pixel linear array (torso) 1,216 total.
- Preset scanning modes: 6 independently configurable modes.
- Wire detectability: 32 AWG typical full body view, 38 AWG typical – torso view.
- Image manipulation features: zoom, B/W reverse, edge enhance, color overlay, auto filters, brightness/contrast.
- Monitor: 24” LED – Full body, 19” LCD – torso.

Provide operator workstation with a minimum of:

- Intel I5 processor
- Windows 10, 64-bit operating system
- 8GB dual channel DDR3 RAM
- Two (2) 1TB hard drives
- 1GB dedicated video graphics card with HDMI output.
- DVD/CD + RW Drive
- System shall have a dedicated 1500VA UPS battery back-up system for PC and monitors.
- Touch screen operation
- System shall allow for a minimum of 99 users.
- The system shall record data for the operator, date/time, dose, location, and ID of the subject being scanned.
- System shall have separate folder to store images that were deemed positive for contraband.
- Operators shall have access to review stored images that are deemed positive for contraband from main screen.
- The system shall be able to incorporate barcode scanners, RFID, fingerprint readers, passport scanner or photo ID scanners to auto populate the identification data of the individual being scanned. (Scanners should not be included in bid price)
- The system shall have the capability to archive images and data on a remote server.
- The system shall have the capability to be networked to allow for accurate dose accumulation measurement regardless of which location an individual is scanned.
- Unit shall have a comparison feature to display the acquired image with that of a previously acquired image of the same person.
- The system shall offer remote diagnostic capability.
- The system must include automatic drug detection. This algorithm-based software feature shall be able to highlight item suspected of being narcotics, assign on screen a percentage probability that the are in question is narcotics, and shall be able to “learn” new target items with operator input.