



# Gaston County

Gaston County  
Board of Commissioners  
www.gastongov.com

## Sheriff's Office

## Board Action

File #: 18-090

Commissioner Worley - Sheriff's Office - Accept Virtual Imaging as a Sole Source Vendor for the Budgeted Purchase of the SecurPASS Whole Body Scanner (\$189,000)

### STAFF CONTACT

Alan Cloninger - Sheriff - 704-866-6860

### BUDGET IMPACT

Use budgeted funds to purchase new SecurPASS Whole Body Scanner.

### BUDGET ORDINANCE IMPACT

Use budgeted funds.

### BACKGROUND

In an effort to manage the opioid crisis within the jail, the SecurPASS Whole Body Scanner was funded via Resolution 2017-276. Virtual Imaging-a Cannon Company, is the manufacturer and distributor of the scanner. Virtual Imaging has undergone review and approval by the North Carolina Department of Health and Human Services (the only manufacturer with this distinction) for the SecurPASS Scanner to be installed in the Gaston County Jail. The operator training provided by Virtual Imaging is the only training that has been certified by the Federal Bureau of Prisons, the National Institute of Justice, and the Department of Justice. It is with these merits that make Virtual Imaging the only vendor that can provide a high performing product and service.

### POLICY IMPACT

N/A

### ATTACHMENTS

Virtual Imaging Sole Source Letter & Operator Training Outline; NC Department of Health and Human Services Approval Letter

DO NOT TYPE BELOW THIS LINE

I, Donna S. Buff, Clerk to the County Commission, do hereby certify that the above is a true and correct copy of action taken by the Board of Commissioners as follows:

NO.	DATE	M1	M2	Brown	Fraley	Grant	Hovis	Keigher	Philbeck	Worley	Vote
2018-076	03/27/2018	TP	RW	A	AB	A	A	A	A	A	U

### DISTRIBUTION:

Laserfiche Users

A=AYE, N=NAY, AB=ABSENT, ABS=ABSTAIN, U=UNANIMOUS

VIRTUAL IMAGING  
A CANON COMPANY

**Canon**

Virtual Imaging, Inc.  
5600 Broken Sound Blvd.  
Boca Raton, FL 33487  
Tel: 561.893.8400

February 12, 2018

Sheriff Alan Cloninger  
Gaston County Sheriff's Office  
425 Dr. Martin Luther King Jr. Way  
Gastonia, NC 28052

Dear Sheriff Cloninger,

The SecurPASS Whole Body Scanning System, manufactured and distributed by Virtual Imaging-a Canon USA Company can meet the Gaston County's Sole Source Condition based on the following unique characteristics and features of the SecurPASS System

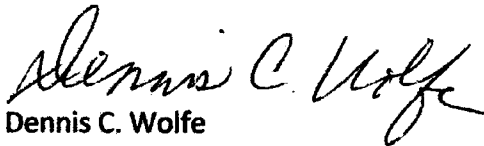
- The SecurPASS System is the only full body scanner that routinely utilizes an industrial grade 450 watt, oil cooled x-ray generator rated for 10,000 hours or 4,500,000 images.
- The SecurPASS Scanner is the only transmission whole body scanner system that the North Carolina Division of Health Service Regulation, Radiation Protection Department of Health and Human Services (DHHS) has approved for the routine use by law enforcement. This is a multiple month process and exercise that involved an extreme amount of research by the state and its radiation inspection experts.
- The SecurPASS System is the only full body scanner that routinely provides a resident 1 Terabyte mirrored hard drive capable of storing 950,000 images. In addition the product also has an internal 1 Terabyte backup drive thus providing double redundancy of the stored images.
- The SecurPASS Scanner uses the lowest dose of .25 uSv for its recommended setting and this has been verified by Intertek (ETL), a 3<sup>rd</sup> party testing lab mandated by the US Federal Government. The Office of Security Technology, under the direction of the Federal Bureau of Prisons, also did their own triple blind study verifying this.
- The Factory Trained Service Engineer is less than 1 hour away and RADON, the designated licensed service provider for NC, is willing to have an additional field service technician factory trained on the SecurPASS that lives even closer.
- The SecurPASS is the only scanner that routinely includes a 6 hour back up surge protector for the Operator's Workstation and a 2.5 KW Line Conditioner protects the entire SecurPASS System.

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- The SecurPASS System is the only scanner that provides certified and documented Operator Training approved by the Federal Bureau of Prisons (BOP), the National Institute of Justice (NIJ) and the Department of Justice (DOJ). I have attached what our Operator Training Program consists of.
- The SecurPASS can be shipping within 24 hours from the time of receipt of a clean purchase order. Shipping, Installation and Operator Training can be completed within 2 weeks.
- The SecurPASS System is the only scanner that the PREA Privacy Filter is being used in 160 facilities and is routinely included in our operating software. Every BOP Facility utilizes our PREA Privacy Filter in their Receiving and Discharge Areas.



Dennis C. Wolfe  
National Sales Manager-Security  
Virtual Imaging-a Canon USA Company

## **“We are serious about SecurPASS Operator Training”**

**Our Operator Trainers are Experienced, Registered X-ray Technologists and Dedicated.**

The Operator Training consists of six (6) individual segments:

1. **On-Site initial three (3) day “Operator Training”** that includes specific training for the Standard User, the Super User (Train the Trainer Program) and the Administrator Training. All three levels of training are documented, the officer and trainer both sign the “Operator Training Verification Form”, (included) and there is a SecurPASS Operator Training Certificate issued indicating the classification of training that was performed and the number of hours involved. A “Quick Reference Guide” (QRG) is provided to each Trained Operator, (included).
2. **2 & 4 Week Follow-Up Calls to monitor the Operator Training.**
3. **On-Site & Classroom “Radiation Safety Class”** that includes a thirty (30) minute PPT classroom session with a written and documented quiz afterwards. Both the training and the officer sign the quiz and a certificate is issued indicating when the class was taken.
4. **On-Site follow-up two (2) day “Refresher Operator Training”.** This follow-up training is customized for the needs of the customer. There are two (2) days Refresher Operator Training provided each year that the SecurPASS System is under warranty with Virtual Imaging. It can be utilized for retrain existing officers, train new officers, establish and train new Administrators, etc. Just like the “Initial Operator Training”, documentation is provided and a “Training Certificate” is issued.
5. **On line, “WEB Based Operator Video Training”.** This is a ten (10) minute video that highlights all of the SecurPASS Operator commands, how to use the different viewing tools and acts as either an introduction to operating the SecurPASS System or as a visual refresher course.
6. **On line, “WEB Based Competency Testing”.** This consists of a twenty-five (25) interactive testing program that is meant to challenge the SecurPASS Operator to locate internal and external contraband, at varying degrees of difficulty and that is structured around a rotating image data base. There will be questions regarding typical state regulation information and basic radiation safety issues that all operators should be familiar with. There is also input from the National Sheriff’s Association regarding topics that they deem important for officers to know. After successfully completing the competency test, a certificate is issued to the appropriately identified supervisor for record keeping.



## DEPARTMENT OF HEALTH AND HUMAN SERVICES DIVISION OF HEALTH SERVICE REGULATION

ROY COOPER  
GOVERNOR

MANDY COHEN, MD, MPH  
SECRETARY

MARK PAYNE  
DIRECTOR

February 14, 2018

Major Becky Cauthran – Assistant Jail Administrator  
Gaston County Sheriff's Office  
425 Cr. Martin Luther King Jr. Way  
Gastonia, NC 28052

An exemption is granted to Gaston County Sheriff's Office located at 425 Dr. Martin Luther King Jr. Way, Gastonia, NC 28052 based on **10A NCAC 15 .0603(a)(1)(G)**, which prohibits use of radiation on individuals for non-healing arts purposes. This exemption allows registration and use of the Virtual Imaging-Canon RadPRO SecurPASS. The RGD must be registered with this agency within 30 days following initial operation of the facility and each radiation machine.

### Conditions of Exemption:

To maintain registration for authorized use, the system must be used in accordance with **Class A General-use Systems** contained in the American National Standard ANSI/HPS N43.17-2009 (ANSI). These standards include but are not limited to the following:

#### Dose Limitation for General-use Systems per ANSI Section 6:

- Individuals screened using transmission systems should be positioned facing away from the source of radiation; and
- Under maximum operating parameters, the reference effective dose shall not exceed 0.25  $\mu\text{Sv}$  (25  $\mu\text{rem}$ ) per screening. Refer to the required surveys for reference effective dose; and
- The reference effective dose received by individuals from a registrant shall not exceed 250  $\mu\text{Sv}$  (25 mrem) over a 12-month period; and
- Dose to Bystanders, Operators, and Other employees shall not exceed the dose equivalent requirements listed; and
- A inspection zone shall be established around the screening system where bystanders are prohibited during operation; and
- The inspection zone shall not exceed 20  $\mu\text{Sv}$  (2 mrem) in any 1 hour. *Inspection zone should be visibly marked and controlled;* and
- The operator is required to maintain full visual surveillance of the inspection zone.

#### System and Manufacturing Requirements for General-use Systems per ANSI Section 7:

- System and manufacturing requirements of Section 7 (excluding 7.2.3, 7.2.4, and 7.2.5) must be met.

#### Operating Requirements for General-use Systems per ANSI Section 8:

- A person shall be designated to ensure compliance; and
- Documented procedures for operating the system per ANSI 8.1.3; and
- Information made available to screening subjects must meet the minimum requirement per ANSI 8.1.4; and
- All personnel associated with the operation of the system shall receive appropriate training in operation of the system. The training must include the requirement per ANSI 8.1.5; and
- The manufacturer's maintenance schedule must be followed; and
- Radiation surveys shall be conducted to verify compliance per ANSI 8.1.2 and 8.1.7; and
- Surveys shall be performed:
  - (1) Upon installation
  - (2) At least once every 12 months
  - (3) After any maintenance that affects the radiation shielding, shutter mechanism, or x-ray production components
  - (4) After any incident that may have damaged the system in such a way that unintended radiation emission occurs; and

### RADIATION PROTECTION SECTION

WWW.NCRADIATION.NET

TEL 919-814-2250

LOCATION: 5505 CREEDMOOR RD • RALEIGH, NC 27612

MAILING ADDRESS: 1645 MAIL SERVICE CENTER • RALEIGH, NC 27699-1600

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER



- Records and Documentation requirements per ANSI 8.1.9 and maintained for agency review

**Additional Conditions:**

- An individual responsible for radiation protection must be designated; and
- Operators must be trained in principles of radiation protections and maintain documentation for agency review; and
- Initial operator training must be unit specific and maintained for agency review; and
- Annual refresher training documentation must be maintained for agency review; and
- Individual monitoring must be provided to operators; and
- Policy and Procedures must address how an individual's scans or reference effective dose is tracked; and
- Records shall be maintained and available for review to show no more than 1000 scans for 1 individual over a 12-month period; or the reference effective dose multiplied by the number of screenings does not exceed 250  $\mu\text{Sv}$  (25 mrem) over a 12-month period per individual; and
- Records of repeat scans and equipment problems must be documented and available for review; and
- System installation and maintenance must be performed by a registered service provider; and
- Screening of staff for training purposes is prohibited; and
- The following population shall not be scanned:
  - \* Pregnant individuals
  - \* Staff
  - \* Minors

This exemption will be rendered invalid if the system is used in a manner that is not consistent with these conditions, in accordance with the ANSI standard, or any applicable state regulation. These exemptions will not apply once Rules are enacted for security screening machines. Exemptions are not transferrable and are location specific.

Sincerely,



Regina Kissinger  
Radiology Compliance Branch  
Radiation Protection Section  
[regina.kissinger@dhhs.nc.gov](mailto:regina.kissinger@dhhs.nc.gov)  
919-814-2335