Romaine Companies

September 14, 2018

Lexington-Fayette Urban County Government
Division of Waste Management
Bid #117-2018 Body Scanner for Community Corrections
600 Old Frankfort Circle
Lexington, KY 40510

Subject: Bid Invitation

On behalf of Romaine Companies and in response to the above bid invitation for a "Dual View Full Body Scanner System for the Lexington-Fayette Urban County Government", we are pleased to respond with our offer. We are proposing the ConPass DV Security Scanning System for your consideration. This system meets all the specifications outlined in the bid invitation.

Our proposal response includes the required documents and is fully compliant. The ConPass DV are advanced, compact and a powerful X-ray security screening system ideal for the Lexington-Fayette Urban County Government.

We are confident that our proposal will be favorably received by the Lexington-Fayette Urban County Government. Should you have any questions or need further clarification during the evaluation process, feel free to contact the undersigned.

Thank you for the opportunity to respond to this request and for your consideration of our offer.

Dell Romaine
President, Romaine Companies
(o) (270)885-8868
(m) (812)455-8388
dell@romainecompanies.com

Tim Wilson
Sales, Romaine Companies
(o) (270)885-8868
(m) (859)619-8232
timwilson@romainecompanies.com

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Proposal to Furnish CONPASS DV Whole Body X-Ray Scanner
Lexington-Fayette Urban County Government

Presented By:
Romaine Companies, Inc.
1720 E 9th Street
Hopkinsville, KY 42240
(270)885-8868

Dell Romaine
Tim Wilson

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1720 E 9th Street
Hopkinsville, KY 42240
www.romainecompanies.com

Executive Summary

ADANI Systems is the US Patent Holder for Transmission X-Ray Body Scanning (US Patent 7,016, 473). Our specialty is the development of disruptive technology in the areas of security X-ray inspection systems, medical X-ray equipment and analytical instruments. The company's quality management system is certified since 2002 for compliance with ISO 9001 and ISO 13485 standards. ADANI, as a security technology company, offers complex technical solutions that ensure security and has created a range of X-Ray inspection systems for personnel security screening, baggage, parcel, cargo and vehicle inspection.

This proposal includes information for the CONPASS DV which includes the ADANI-exclusive, patented DruGuard™ Detection technology, and Hi-Resolution Torso View (using bespoke, 1.5mm Detectors imaging two unique, exclusive ADANI Options:

ADANI SYSTEMS INC. is a Virginia Corporation, chartered in 2006, with offices in Miami Lake, FL, Valencia, CA, Suburban Washington DC; your CONPASS systems will be assembled, quality-checked and delivered from our Conroe, TX facility.

ADANI CONPASS DV with Workstation (Maryland DPSCS Facility)

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CONPASS Theory of Operation and System Description

The CONPASS System is comprised of two (CONPASS DV) 160Kv X-Ray systems arranged to inspect a subject that is carried through the x-ray beams on a transport platform.
To perform a scan, the operator instructs the subject to stand on the platform. He then initiates the scanning sequence, and the x-ray beams are turned on. As the subject moves through the archway and beam(s), the x-rays image approximately 1MM wide "slices" of the human body, which is reconstructed by software to provide a high-resolution image of the full body. When the scan is over (7-9 seconds), the x-ray beams are shut off and a shutter is activated. Unless there is an active scan, there IS NO X-RAY ENERGY BEING PRODUCED. These images are presented to the operator on a high-resolution touch screen monitor and may be stored with operator comments in file for each individual subject.

Our standard "Easy Data" software tracks annual exposure rate of individuals being screened. The software will track and cross reference an individual's name or unique ID before a scan is initiated. If an individual is approaching their annual limit of 250 µSv a warning message will be displayed alerting the operator. In the very rare event an annual dose of 250uSv is achieved for any one individual, the system will NOT perform a scan, and a warning message will be displayed to alert the operator that this individual has achieved their annual limit.

The CONPASS system foot print is 88.97"L x 78.74"W x 97.24"H. The open gantry design of the CONPASS allows the operator to maintain line of sight at all times with the subject being screened and creates a safer environment for all. The platform which transports the individual through the X-ray beam has a load capacity of 660lbs, which is the highest in the industry.

The CONPASS systems provide the following unique specifications:

- Patented Technology – Patent # 7,016,473, ADANI holds the U.S. patent for the method of screening which involves moving the individual through the X-ray beam on a platform.
- Industry leading imaging technology – The image resolution at any given dose rate (0.10µSv -2.75µSv per scan, user selectable) provides superior image quality and resolution (example: 40 AWG wire, when others image 36 AWG wire)
- Heavy duty diamond plate platform with 660LB capacity
- Most advanced X-ray detector boards – Allows for better image quality with lower radiation. Optional High Definition Detectors allow for up imaging up to 40AWG.
- Industry Leading Software – Patented DruGuard™ Automatic Detection System, available ONLY from ADANI SYSTEMS, alerts the operator to the presence of suspected narcotics threats - in the abdominal cavity.
- **Dual View Option –Provide an enhanced close-up torso image taken at a 5-degree variance of the full body image. This 2nd view allows for detection of contraband regardless of the objects orientation with respect to the X-ray beam.**
- **DruGuard™ Automatic Detection Technology – increase operator efficiency and probability of contraband intercept.**
- Reliability – The first CONPASS unit was deployed in 1999 at a diamond mine in Angola. The unit has logged more than 1.5 million scans and is still in operation today.
- ISO 9000, 9001, 13485, registered and Intertek Certification of Adani Systems compliance to applicable Underwriters Labs standards.

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ADANI technology is utilized in over 300 full body scanners deployed in County, State and Federal Correctional facilities in the United States. ADANI's technology is patent-protected (US Patent # 7,016,473 B1) and deployed in 65 countries totaling over 700 successful installations.

ADANI's body scanning solutions are all United States patent protected. We offer the following as evidence to support this claim:

- CONPASS Transmission Body Scanning technique (**US Patent # 7,016,473 B1**)
- CONPASS DV (**US Patent # 9,392,983 B2**)
- DruGuard® Automatic Detection Algorithm (**US Patent # 9,576,219 B2**)

Chassis

- Smallest footprint of any transmission body scanner in the industry @ 48.60 squarefeet
- L-shaped detector array with X-ray sensors above the head for better imaging
- Designed for correctional facilities with tamper-proof screws

Platform

- Largest load capacity 661 LBS
- Reliable screw drive (not belt driven or conveyor belts)
- Six (6) sealed bearing urethane wheels which ride on stainless steel rails

Image Generation

- **Patented** beam geometry and slot scanning technology
- Bespoke X-ray detectors with specialized filtration (industry best 40AWG imaging)
- Ultra-fine X-ray collimation reduces X-ray radiation dose
- Up to 6 independent scanning modes plus the ability to toggle dual view on/off
- Unmatched scalability and flexibility with scanning energies from 0.1µSv/per scan to 4.0µSv perscan

X-Ray Generator Options

- 160kV and 1.2mA, 192W (air cooled)
- 160kV and 3.2mA, 500W (oil cooled)
- 200kV and 2.0mA, 400W (air cooled)

User Interface

- Simple and intuitive display and controls
- **Patented** DruGuard® software alerts operators to location and probability of narcotics
- Touchscreen high resolution display (1080P)
- Software upgrades on an average quarterly basis
- Customizable reporting features through EasyData™
- Unique network connectivity to share data among multiple systems
- Integration with the following input devices:
    - Web-cam
    - Biometric Fingerprint Reader
    - Bar Code Reader
    - RFID scanner
    - ID Card/Passport

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Safety Features

- Two Emergency Stop buttons
- Built in Dosimeter to measure effective dose on EACH view for EVERY scan
- All models are ANSI / HOS N43.17-2009 compliant
- CE and UL certifications

Open Architecture for Spiral Development

- Ease of Hardware upgrades in the field
- Ease of Software upgrades in the field
- Performance improvements are easily implemented by our Field Service Engineers
- Customer recommended improvements in software and hardware are seamlessly integrated into already fielded systems

Continuous Improvement Program (CIP) implemented

- Examples of Continuous Improvement Programs
  - Bespoke (Purpose built) detectors for increased imaging performance. From 32AWG to38AWG (Single View) to 38 AWG to 40AWG (Dual View) as a result and key example
  - Development of the industry's first Automatic Detection Algorithm for ingested narcotics; DruGuard®. This technology is patented, trademarked (™) and now registered (®)

Recent Press Appearances of CONPASS Technology

https://www.policeone.com/police-products/technology/body-scanners/articles/377269006-South-Dakota-Dept-of-Corrections-gets-DruGuard-to-reduce-contraband/

http://www.wcyb.com/news/tennessee/carter-county/increasing-security-new-full-body-scanner-at-carter-county-jail/683621987

https://www.youtube.com/watch?v=k75Tv7dpr4Q&list=PLWR661jqwrUj3yV6NA6fFQmd59DitnSGf

https://www.fairfaxcounty.gov/sheriff/fairfax-county-jails-new-body-scanner-enhances-security

CONPASS DV with Optional XSC Safety Cabin
(Fairfax County Jail – VA)

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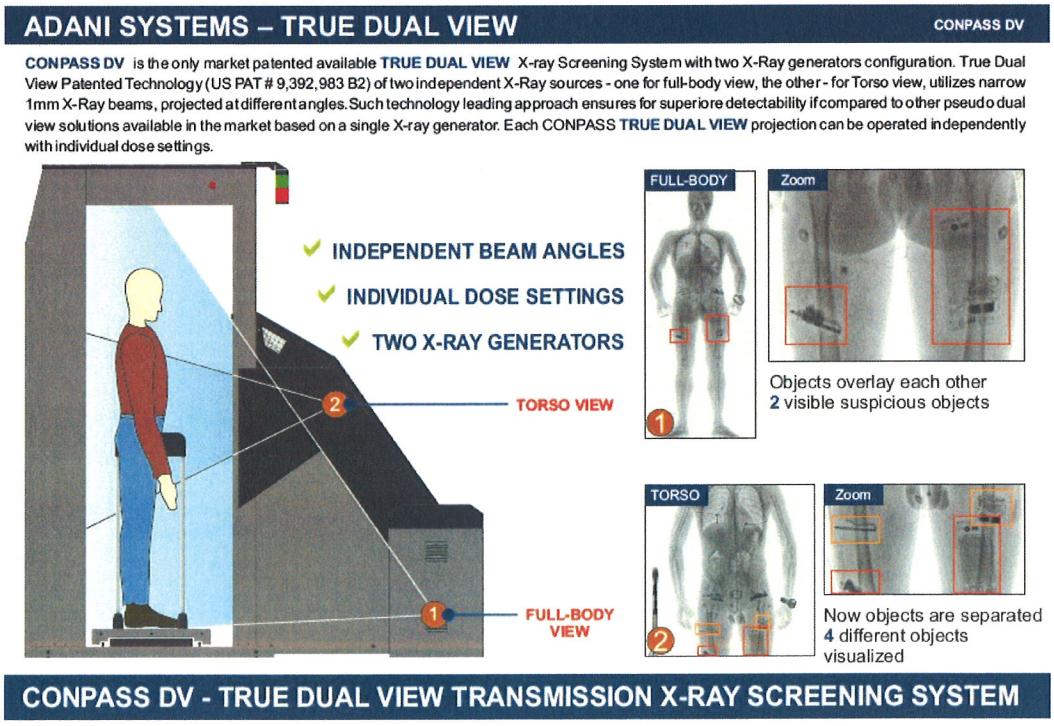
WHY SELECT CONPASS?

- CONPASS and its core scanning technology has been selected by more major corrections agencies than all other competitors, including the Federal Bureau of Prisons through an ADANI reseller partner (please refer to the attached slide deck for a list of our customers; POC information will gladly be supplied on request).

- ONLY CONPASS can provide up to six (DV) selectable scan rates ranging from 0.1µSv to 2.7µSv to provide the best imaging performance at the lowest possible dose for ALL BODY TYPES.
- ONLY CONPASS offers new, bespoke detectors capable of 40AWG image resolution (DV)
- ONLY CONPASS (DV) offers our Patented DruGuard™ Automatic Detection System to alert the operator to the presence of suspected narcotics hidden internally.
- CONPASS has the smallest overall footprint and largest scan aperture of any available system.
- CONPASS includes a stainless-steel screw-drive transport cart capable of supporting 660lbs.
- CONPASS includes our "Easy-Data" management software as standard, which tracks all scan data, provides for features such as Random Scan, image and personal data files, and full audit capability.
- Full network capability to support inmate relocation and transfers- enter inmate into the database once, and their data will follow them

SPECIAL NOTES:

Some of our competitors claim "dual-view capability" – but DO NOT provide a separate full body and torso projection, derived from TWO separate X-ray generator/detector sets. Be advised, you cannot provide true dual view capability without a second x-ray generator/detector set, as is provided with CONPASS DV.



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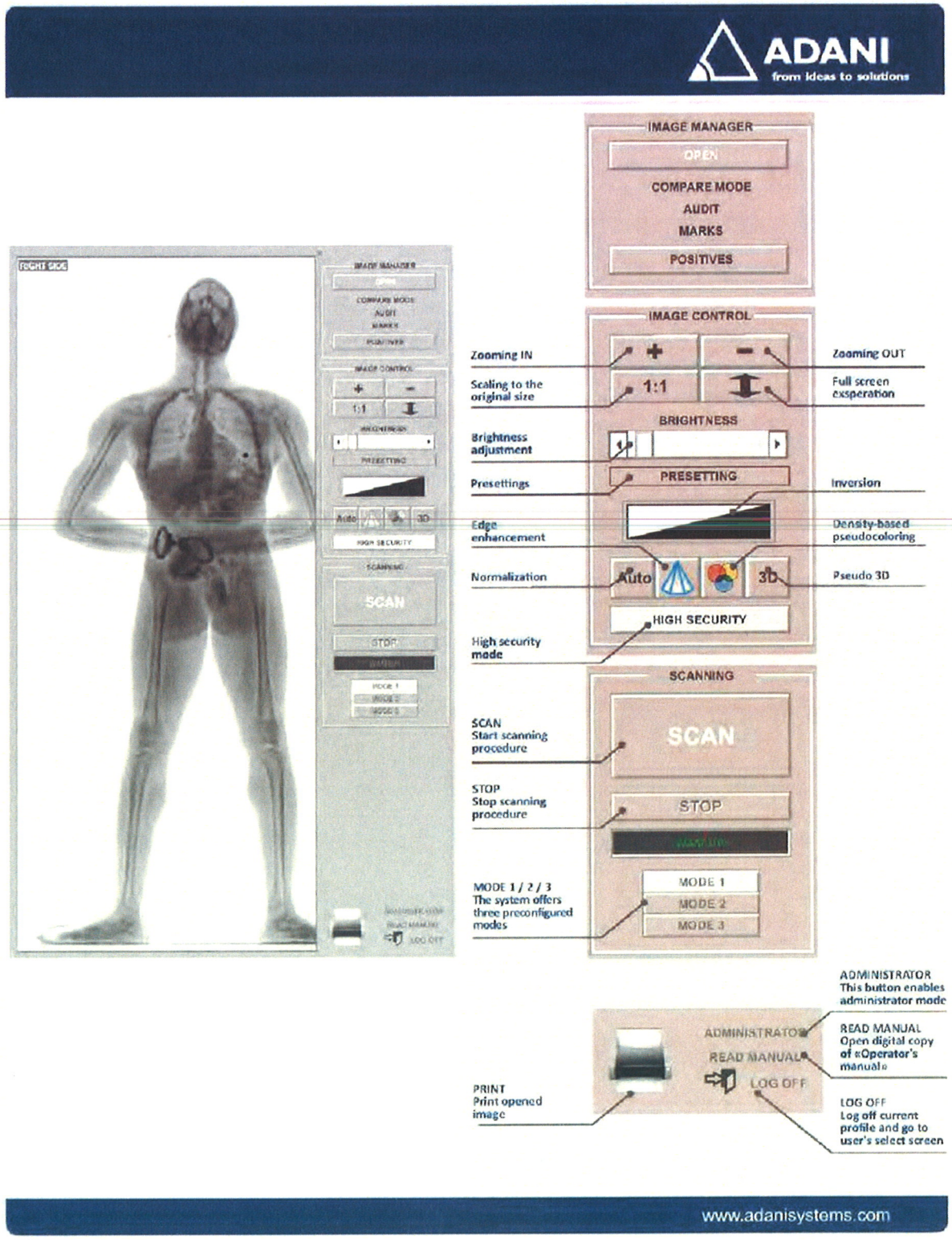
CONPASS DV OPERATOR SCREEN AND CONTROL FUNCTIONS



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ADANI Systems, Inc. – Full Body Scanner REFERENCES:

ADANI Full Body X-ray screening technology is utilized in over 300 full body scanners deployed in County, State and Federal Correctional facilities in the United States. ADANI's scanning technology is patent-protected **(US Patent # 7,016,473 B1 – Single View, US Patent# 9,392,983 B2 – Dual View, US Patent# 9,576,219 B2 - DruGuard®)** and deployed in ***65 countries totaling over 800 successful installations.***

Cowlitz County Sheriff's Office
1935 1st Avenue
Longview, WA 98632
Captain Chris Moses
(360) 577-3094
mosesc@co.cowlitz.wa.us

INSTALLED September 2017
CONPASS DV with DruGuard®

Nisqually Indian Tribe
12819 Yelm Highway
Olympia, WA, 98513
Jeff Smith
(360) 459-9603
Smith.jeff@nisqually-nsn.gov

INSTALLED January 2018
CONPASS DV with DruGuard®

Yakima County Corrections
111 Front Street
Yakima, WA 98901
Chief Scott Himes
(509) 574-1717
Scott.himes@co.yakima.wa.us

TO BE INSTALLED in April 2018
CONPASS DV with DruGuard®

Marin County Sheriff's Office
13 Peter Behr Drive
San Rafael, CA 94903
Deputy David Estes
(415) 497-4558
destes@marinsheriff.org

INSTALLED December 2017
CONPASS DV with DruGuard®
and XSC (X-ray Shielding Cabin)

Minnehaha County Sheriff's Office (Jail)
500 North Minnesota Avenue
Sioux Falls, SD 57104 Lt.
Mike Mattson (605)
978-5503
mmattson@minnehahacounty.org

INSTALLED January 2018
CONPASS DV with DruGuard®

Pennington County Sheriff's Office (Jail)
307 Saint Joseph Street
Rapid City, SD 57701 Lt.
Wade Anderson (605)
206-0377
wadea@pennco.org

INSTALLED November 2017
CONPASS DV with DruGuard®

South Dakota Department of Corrections (SD DOC)
East Highway 34
Pierre, SD 57501
Clifton Fantroy
(605) 201-5817
clifton.fantroy@state.sd.us

INSTALLED Sept. 2016 3200
CONPASS DV – 3 units
with DruGuard®
CONPASS DV – 2 units
(Install in April 2017)

Arkansas Department of Corrections (ADC)
PO Box 8707
Pine Bluff, Arkansas 71611
Major Randy Shores
(870) 550-3946
Randy.shores@arkansas.gov

INSTALLED December 2017
CONPASS DV with DruGuard®
4 units

Virginia Department of Corrections (VDOC)
Correctional Center
901 Corrections Way
Jarrett, VA 23870-9614
Marie Vargo
(804) 536-3064
Marie.Vargo@vadoc.virginia.gov

INSTALLED February 2017 Greensville
CONPASS DV with DruGuard®
10 x Units

Georgia Department of Corrections (GA DOC)
Georgia State Prison
300 1st Avenue South
Reidsville, GA 30453
Deputy Warden Shirley Kilgore (912) 557-7215
Shirley.Kilgore@gds.ga.gov

INSTALLED April 2016
CONPASS SV
Statewide deployment of over 10 systems. Just renewed third year of contract.

Maryland Department of Public Safety and Correctional Services
300 East Jopps Road, Suite 1000
Towson, MD 21286-3020
Director James Flood
(410) 585- 3906
James.Flood@maryland.gov

INSTALLED June 2017
CONPASS DV with DruGuard®

Installed eleven (11) units

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St. Charles Parish Sheriff's Office
Nelson Coleman Correctional Center
5061 Highway 3127
Kilona, LA 70057 Lt.
Daniel Levet (985)
783-1164
dlevet@stcharlessheriff.org

INSTALLED December 2017
CONPASS DV with DruGuard®

Hall County Sheriff's Office -Jail Division
1700 Barber Road
Gainesville, GA 30507
Marcus Neville – Captain
(770) 531-3934
mneville@hallcounty.org

INSTALLED August 2016
CONPASS DV with DruGuard®

Daviess County Sheriff's Office
3337 Highway 144
Owensboro, KY 42303
David Osborne – Jailer
(o) (270) 685-8466 x206 (m) (270) 314-6103
dosborne@daviesscojail.org

INSTALLED September 2016
CONPASS DV with DruGuard®

Lincoln County Sheriff's Department
65 Business Park Drive
Troy, Missouri 63379
J. Mauzy
(636) 528-8546
jmauzy@lcsdmo.com

INSTALLED October 2017
CONPASS SV

Marion County Community Correction
Duvall Residential Center
1848 Ludlow Avenue
Indianapolis, IN 46201
317-327-1536

Installed June 2018
CONPASS SV

Barren County Detention Center
Matt Mutter
210 Samson Street
Glasgow, KY 42141
270-651-8806

Installed May 2017
CONPASS DV

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Bourbon County Jail
Dennis Mabry
101 Legion Drive
Paris, KY 40361
859-987-2137

Installed July 2017
CONPASS DV

Franklin County Regional Jail
Rick Rogers
400 Coffee Tree Road
Frankfort, KY 40601
502-875-7398

Installed July 2017
CONPASS DV

Pike County Detention Center
Brian Morris
172 Division Street, Suite 103
Pikeville, KY 41501
606-432-6291

Installed January 2018
CONPASS DV

Boone County Jail
Jason Maydak
3020 Conrad Lane
Burlington, KY 41005
859-334-2143

Installed March 2018
CONPASS DV

Boone County Detention Work Camp
5359 Bullitsville Rd
Burlington, KY 41005
859-334-2143

Installed March 2018
CONPASS DV

Rowan County Detention Center
Wes Coldiron
1075 South Tolliver
Morehead, KY 40351
606-784-8457

Installed May 2018
2 / **CONPASS DV**

Pima County Sheriff Office
1270 W. Silverlake Road
Tucson, AZ 85713
Lt. Elsa Navarro
(520) 351-8021
Elsa.navarro@sheriff.pima.gov

INSTALLED November 2017
CONPASS DV-Lite – 2 units

Mesa County, Colorado
215 Rice Street
Grand Junction, CO 81501
Captain Art Smith
Art.smith@mesacounty.us

INSATLLED June 2013
CONPASS

Louisville Metro Police
Mark Bolton
(502) 574-2188
Mark.bolton@louisvilleky.gov

INSTALLED November 2013
CONPASS

Douglas County Sheriff's Office
4000 Justice Way
Castle Rock, CO 80109 Lt.
Brian Murphy (303) 814-7027
bmurphy@dcsheriff.net

INSTALLED May 2014
CONPASS DV

Leon County Sheriff's Office
535 Appleyard Drive
Tallahassee, FL 32304
Captain Chuck Davis
(850) 528-8360
davisc@leoncountyfl.gov

INSTALLED September 2014
CONPASS DV

Robert Woodburn
(850) 606-3656
WoodburnR@leoncountyfl.gov

NYC DOC – Riker's Island
(718) 546-6905
Hazel.Jennings@goc.nyc.gov

INSTALLED May 2013
CONPASS DV

California Department of Corrections and Rehabilitation (CDCR) / Global Tel Link Statewide deployment of ADANI Systems body and baggage scanners as part of a layered approach to Electronic and Narcotic interdiction programs. **This deployment incudes over 100 body scanners and 65 baggage scanners.**

INSTALLED October 2016 – March 2017
CONPASS SV x 102 units, CONPASS DV x 1 unit, BV6045 x 68 units

CDCR
Bryan Donahoo, Associate Warden, Division of Adult Institutions
(916) 323-2160
Bryan.Donahoo@cdcr.ca.gov

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Company:	**Lexington-Fayette Urban County Government**	Bid # 117-2018 Body Scanner for Community Corrections	
Address:	**600 Old Frankfort Circle**	Date:	**9/11/2018**
City/State/Zip:	**Lexington, KY 40510**		

Part No.	Description	Qty	Unit Price	Amount
ConPass	ADANI CONPASS Dual View Body Scanner Complete	1	$175,000	$175,000
	Two 160kV X-Ray Generator w/X-Ray Shielding Case Two Image Detector w/Filtration Systems Dosimeter for X-Ray generator 6 Independent KV and MA Scanning Modes Operators Workstation One 24" Color Monitor & One 19" Color Monitor Movable Platform w/Safety Handrail Imaging Field of View 82"H x 29"W 8GB RAM Memory 2 – 1TB Hard Drive Local Storage of Approximately 900,000 images 65,384 Gray Scale Levels Operation Documents			
DruGuard	Automatic Narcotics Detection Software	1	$10,000.00	$10,000
Installation	Installation, Calibration, Operator Orientation Training	1	Included	Included
Warranty	24-month warranty		Included	Included
PM	Bi-Annual Preventative Maintenance		Included	Included
Shipping	Shipping		Included	Included
EXT Warranty	3 year extended warranty & maintenance	1	$42,000	Optional
	5 year extended warranty & maintenance	1	$70,000	Optional
Ext Maintenance	3 year extended maintenance	1	$9,000	Optional
	Total			$185,000

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Warranty and Maintenance Agreement

Two (2) year warranty and maintenance agreement is available at the time of purchase of the Adani ConPass Single or Dual View Body Scanner System.

Romaine Companies shall handle all warranty related claims regarding the equipment.

The defects that occur with the warranty period under normal use will be repaired or replaced at Romaine Companies sole discretion.

Warranty includes all mechanical and electrical parts supplied at initial install, including computers, monitors, X-ray generator (s), detectors and associate circuitry. Applicable software updates as released.

Maintenance agreement includes semi-annual unit inspections and annual radiation survey per applicable regulations. Applicable software updates as needed.

This warranty does not cover damage, malfunction or failure which resulted from alterations, relocation, wear and tear, accident, misuse, abuse, fire, liquid spillage, maladjustment of customer controls, use of an incorrect voltage, power surges and dips, thunderstorm activity, acts of God, voltage supply problems, tampering or unauthorized repairs by any person, use of defective or incompatible accessories, exposure to abnormally corrosive conditions or entry by any insect, vermin or foreign object in the unit.

Additional 3 or 5 Year Extended Warranty and Maintenance agreement is available.
Additional 3 Year Extended Maintenance agreement is available.

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System Options

X-Ray Shielding Cabin

Hi Resolution Torso View 1.6MM Detector Upgrade

1.5 kVa Surge Suppressor/UPS (recommended)

RFID Scanner and Integration

Touch Screen GUI Upgrade (2 monitors per system)

Network Integration & Customer Service

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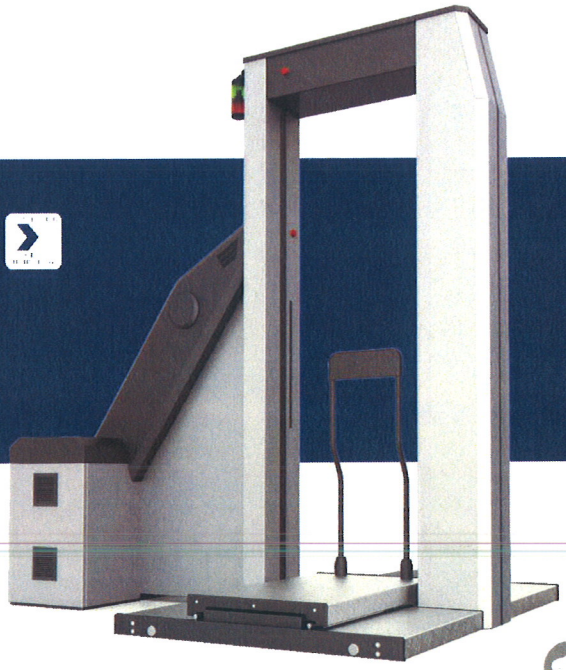
ADVANCED SECURITY SOLUTION WITH ENHANCED DETECTION CAPABILITIES FOR FAST, SAFE AND PRECISE SCREENING



FULL BODY SECURITY SCREENING SYSTEMS

CONPASS DV
DUAL VIEW

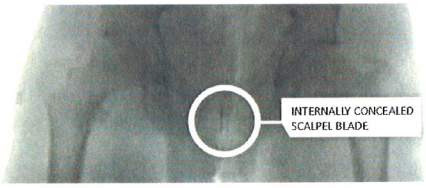
FAST
7 second scan

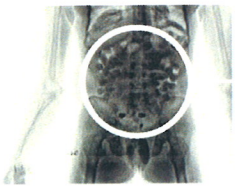
SAFE
Meets ANSI 43.17.2009 standard

FLEXIBLE
3 different scan settings for Single and Dual View modes
Software fully compatible with most access control systems
Built-in privacy masking software
Multi-screen and remote viewing compatible
Automatic drug detection software DRUGUARD

- NARCOTICS IN BODY CAVITIES
- PRECIOUS STONES AND RARE METALS
- ELECTRONICS AND DETONATORS
- EXPLOSIVES AND LIQUIDS
- CERAMIC AND PLASTIC BLADES
- WEAPONS

Provides two independent views improving operator's detection capability





ADANI
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info@adanisystems.com

ADANI
from ideas to solutions

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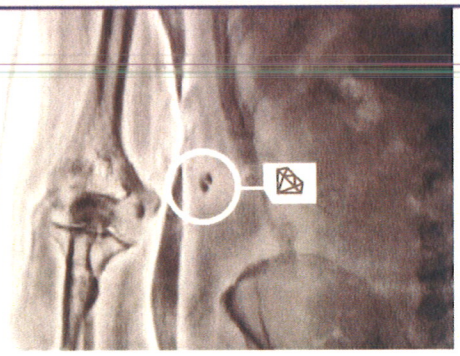
FULL BODY SECURITY SCREENING SYSTEMS

CONPASS DV

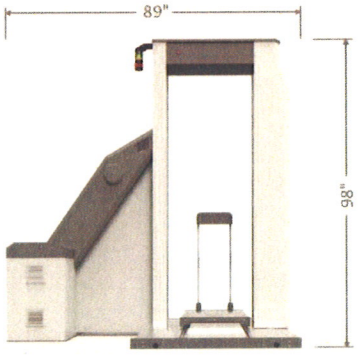
Specifications

Dimensions, LxWxH	89" x 79" x 98"
Weight	1896 lbs
Scanning speed	7 seconds
Platform capacity	661 lbs
Duty cycle	100% - 24 hrs cont. operation
Operating temperature	32 - 113 °F
Humidity	10% - 90% [non-condensing]
Power supply	110-230 VAC, 50/60 Hz, 1.5 kVA
Image Display	24" 1080P LED [Full], 19" 1080P LCD [Torso] touch screen optional
Image enhancement	Automatic optimization, zoom, b/w reverse, edge enhance, color overlay, brightness/contrast
X-ray dose per inspection	Fully adjustable 0.10 µSv – 4.5 µSv - 0.25 µSv typical for single view, - 2.0 µSv typical for dual view
Digital X-ray detector	896 / 1344 pixel, L-shaped [Full], 448 pixel, linear [Torso]
Wire detectability	32 AWG typical [Full], 38 AWG typical [Torso]
Scanning modes	3 independently configurable modes plus on/off toggle of Dual View [6 total]
Software	Windows compatible



Highlighted options

Network	Integration with Data Management System Server for additional data storage
Data input	Barcode, RFID, passport reader, other
Camera / CCTV	Surveillance photo and video storage
Radiation protection	Lead shield with window [36"W x 72"H] and/or shielded cabin



CONPASS conforms to requirement of FDA radiation standards under FFDCA and RCHSA, ANSI 43.17.2009

ETL CLASSIFIED Intertek

Authorized Representative in EU/EC EC REP

ADANI Ltd. 45 Pall Mall London SW1Y 5JG, United Kingdom +44 333 577 9813

With continual development of our products ADANI reserves the right to make changes to the design and specifications at any moment and without notice.

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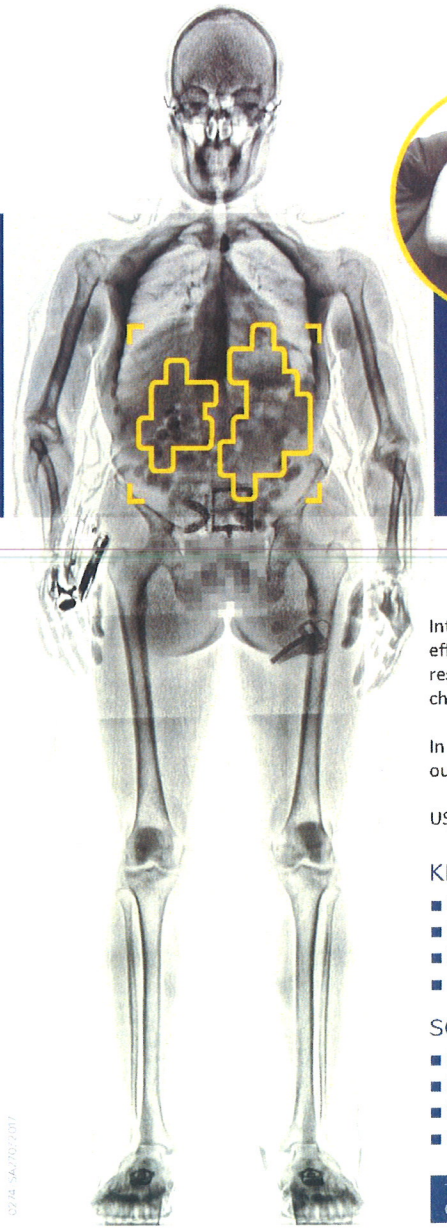
BREAKTHROUGH TECHNOLOGY TO COMBAT DRUG SMUGGLING



AUTOMATIC DRUG DETECTION

DRUGUARD

International Customs and Law Enforcement professionals asked for quick and effective detection of drug containers hidden inside the human body. ADANI responded with DRUGUARD, state-of-the-art technology no counter these ever-changing drug smuggling threats.

In the matter of seconds ADANI's intelligent software analyzes the images and outlines the suspicious areas where the drugs may be concealed.

US Patent No. US 9,576,219 B2

KEY FEATURES:

- Optimization of drug searching process
- Elimination of the human factor
- Low false alarm rate
- Color outlining

SOFTWARE CAPABILITES:

- Concealed narcotics localization
- Less image analysis time
- Remote upgrade capability
- Storage of all images with outlined zones

This software is available only on ADANI CONPASS Full Body X-ray screening systems

CONPASS

ADANI
www.adanisystems.com
info@adanisystems.com

ADANI
from ideas to solutions

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Hopkinsville, KY 42240
www.romainecompanies.com

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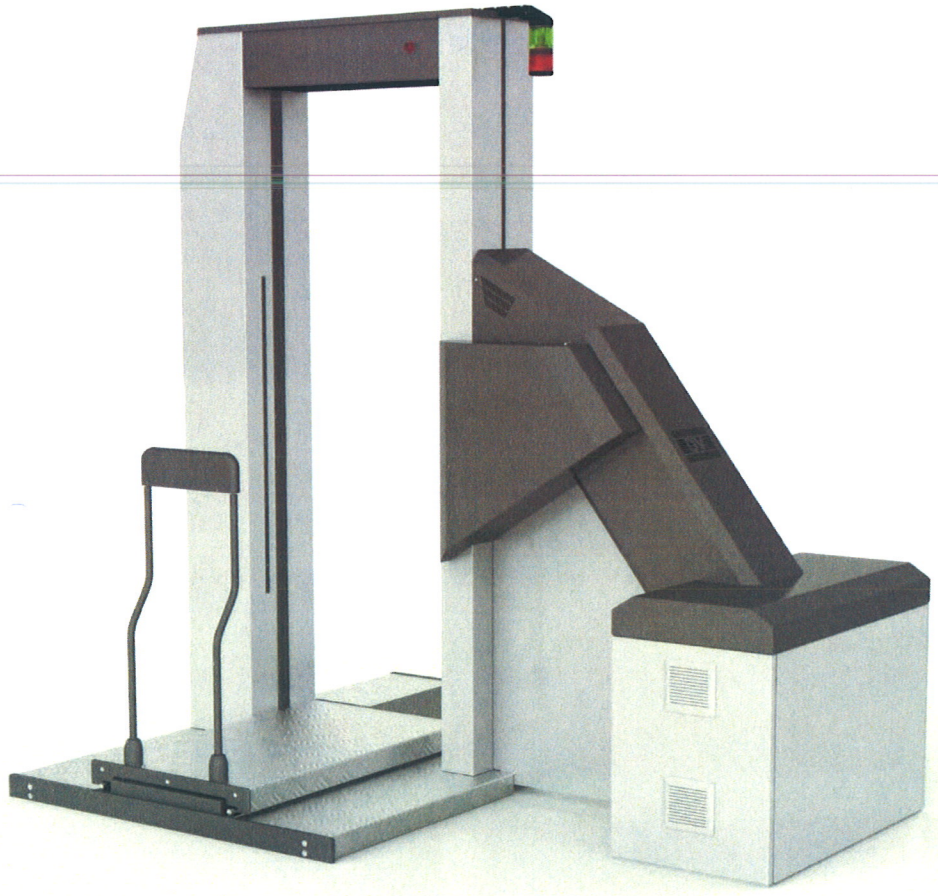
TECHNICAL PROPOSAL

CONPASS DV

Full body scanner

October 2017



This image may differ from your individual device configuration and is subject to change.

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1	Technical Proposal Template	Template PI-1 «Body Security Screening System»
2	Technical Proposal No.	PI-1/1
3	Revision date	06.02.2017
4	Item	CONPASS (CONPASS DV) Full-Body Security Screening System based on patented technology.
5	Manufacturer	ADANI
6	Intended use	CONPASS allows the operator to obtain a projection X- ray image of the abdominal cavity and the person under inspection to reveal what's hidden under the clothes, "look inside" the abdominal cavity. CONPASS DV effectively detects the following items: – Swallowed capsules, pillows, containers with narcotics; – Small metallic objects (razors) in cavities; – Precious stones and metals – Firearms and edged weapons – Unconventional weapons of nontypical materials, such as plastics, wood, ceramics etc. – Explosives, detonators, wires etc. – Narcotics – Containers with biological or chemical materials – Electronic devices – Food – Other objects prohibited for transportation
7	Advantages	– An innovative X-ray inspection method of body screening based on registration of the low dose X- ray electrical signals passing through the object – High medical quality of images of abdominal part of the body using low dose radiation; – Detection of the prohibited objects under the clothes or inside the body of the person being inspected in 7 seconds – Highly increased screening efficiency as compared to metal detectors – Free from privacy violation issue typical of the scattered radiation X-ray inspection systems, which "strip" the person being inspected. No need for multiple scans to obtain front, back or lateral projections.

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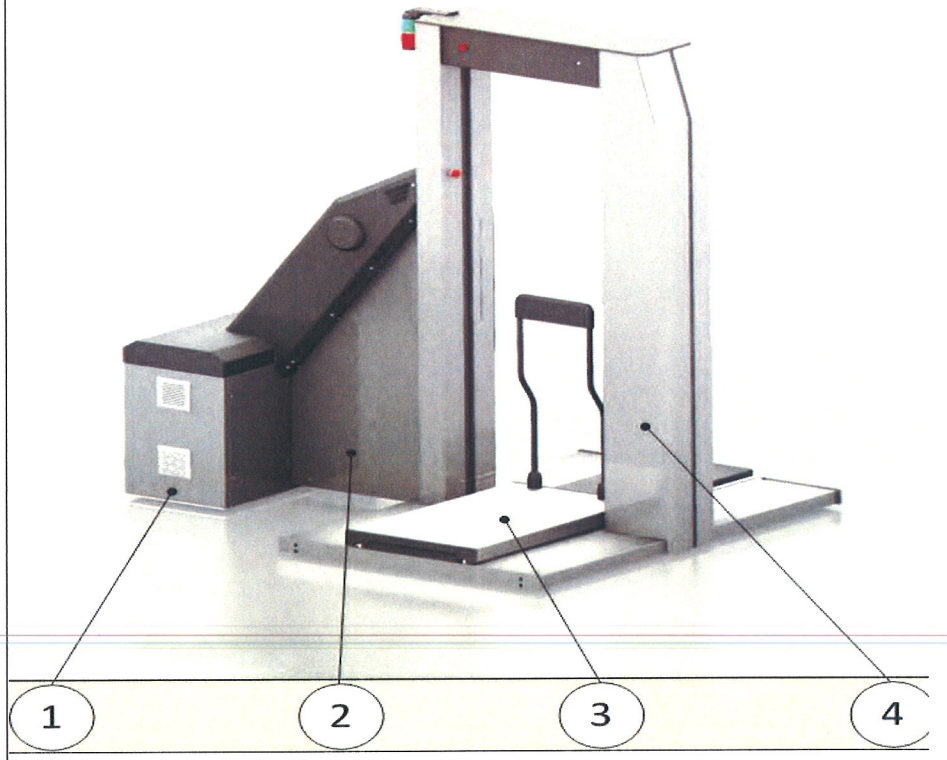
8	Theory of operation	Unique technology embedded in CONPASS DV comprises capturing digital full-body projection X-ray images as well as separate image of abdominal part of the body using slot-scan technology. The technology comprises: – Formation of extremely narrow (1 mm) monochromatic X-ray beam via collimation and filtration system which allows for the lowest effective dose to be administered to the person being inspected; – The person under inspection standing on a specially designed movement platform or conveyer, located between the collimators and the X-ray detectors, and being carried through the X-ray beams for security inspection purposes; – A highly sensitive linear array of vertical semiconductor scintillating detectors being used as an X-ray detectors; – The X-ray beam which passed through the body being detected via the X-ray detectors and forming a two-dimensional array digital images (separately full-body image and image of abdominal cavity) on the operator's monitors; – Radiation dose and system resolution ratio optimization depending on the nature of the system intended use;
9	Customer prospect	ADANI patented technology based Full-Body Security Screening System CONPASS DV is specially designed for use in airports, prisons, border terminals, government buildings, as well as in all other locations which require a detailed examination of the abdominal cavity and natural cavities of the human body without employing specialized medical equipment
10	Intended use by the customer	– Swallowed capsules, pillows, containers with narcotics; – Small metallic objects (razors) in cavities; – Precious stones and metals; – Firearms and edged weapons; – Unconventional weapons of nontypical materials, such as plastics, wood, ceramics etc. – Explosives, detonators, wires etc. – Narcotics; – Containers with biological or chemical materials; – Electronic devices; – Food; – Other objects prohibited for transportation

11	COMPONENETS	 1.Scanner: 1 – Generator cabinet; 2 – Enclosure; 3 – Moveable platform (conveyer); 4 – Gantry. 2. Operator's computer

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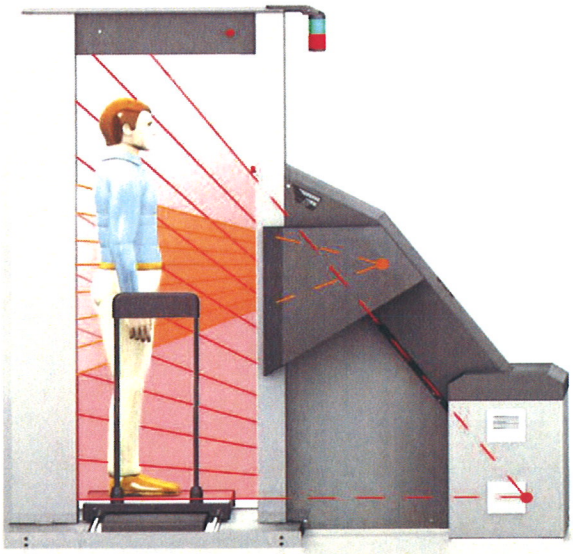
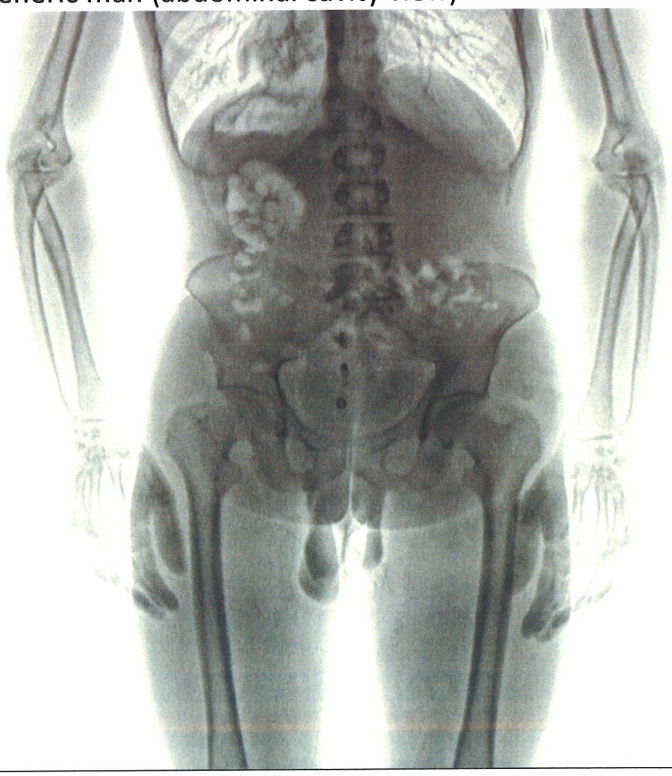
12	DESIGN	
13	OPTIONS	1.Software for automatic narcotics detection "DruGuard"® 2.X-ray protective booth 3.Fingerprint scanner 4.CCTV 5.Barcode reader 6.Passport reader 7.Face camera 8.Intercom system 9.Bulletproof cabin Multi-operator function (two additional workstations) Touchscreen panels instead of standard monitors 12.Laser printer
14	Image sample 2	Generic man (abdominal cavity view) 

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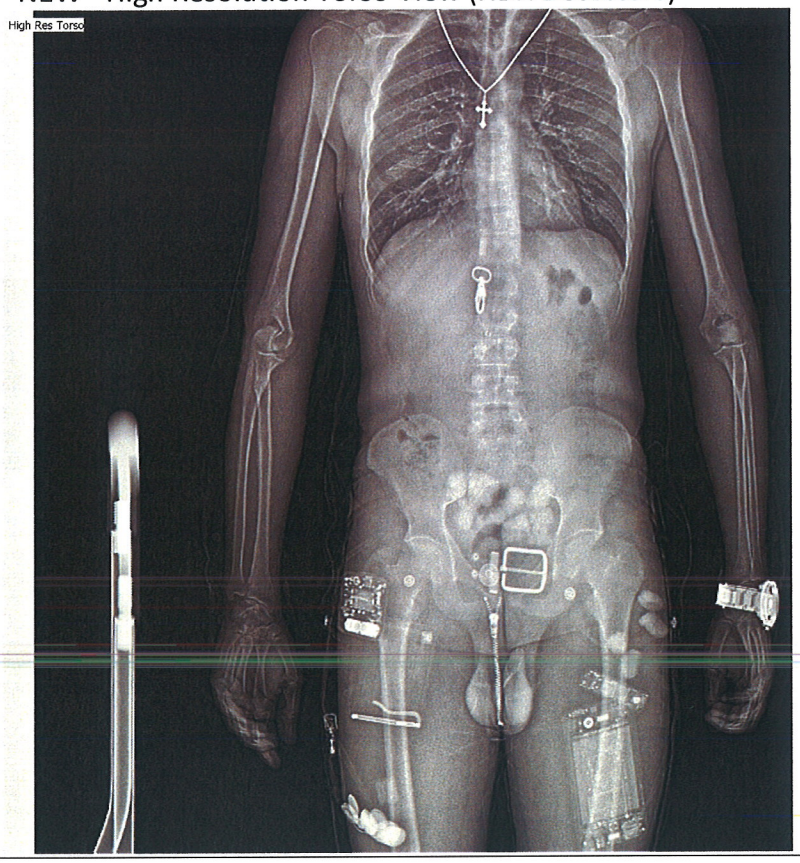
15	Image sample 3	*NEW* High Resolution Torso View (HDX Detectors) 

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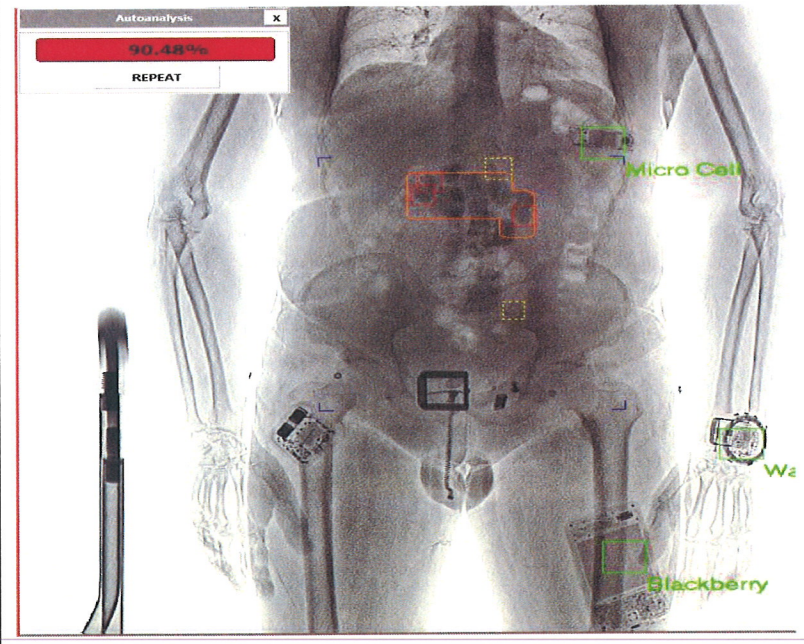
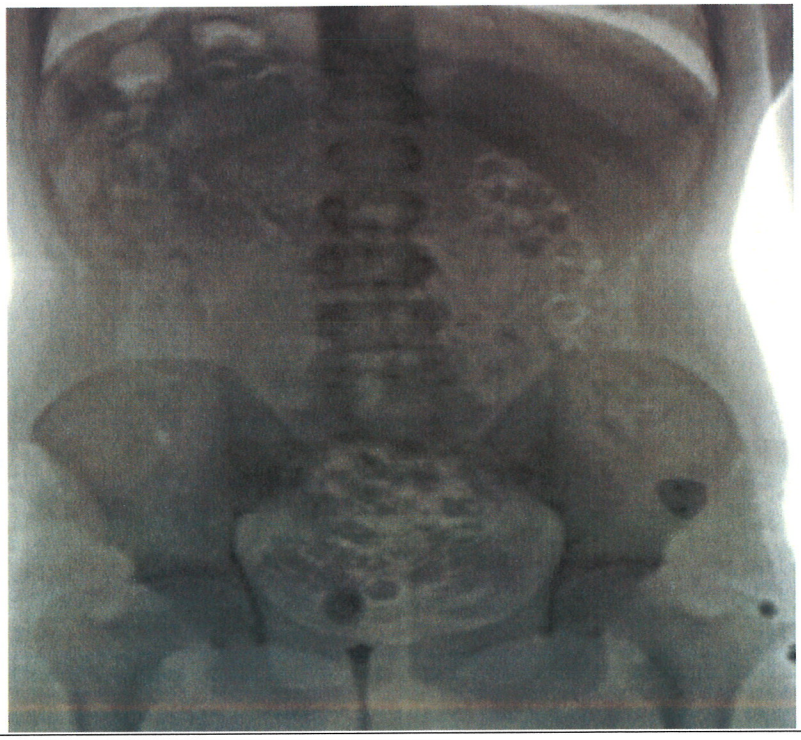
16	Image sample 4	High Resolution Torso View w/ DruGuard Detection Software 
17	Image sample 5	Man with drugs in stomach (abdominal cavity view) 

TECHNICAL SPECIFICATIONS

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1	General operation features	Description
1.1	Inspection method	Penetrating X-radiation
1.2	Inspection object	Full-body inspection as well as separate inspection of abdominal part of the body
1.3	Detection objects	Prohibited objects of any material, hidden inside any part of the human body
1.4	Human body movement method	Moveable platform/conveyor (platform move – not less than 800mm)
1.5	Inspection chamber	Open portal
1.6	Scanning technique	The human body is being moved through the fixed X-ray beam
1.7	Min time of movement through the X-ray beam	7 seconds (7-15 seconds fully adjustable)
1.8	Movement direction through the X-ray beam	All directions
1.9	Operating mode	24/7
1.10	Throughout capacity	Up to 240 people per hour
1.11	Setup mode	Auto
1.12	Setup time after off mode	Depends on the downtime
1.13	12 hours – 2 days	2 minutes
1.14	2 days – 30 days	5-6 minutes
1.15	1 month – 3 months	10-12 minutes
1.16	3 months and more	50-60 minutes
1.17	Image visualization during the scan	Real-time
1.18	Operation temperatures	From 0 to +45°C
1.19	Humidity	not more than 90%
1.20	General dimensions	not more than 2260×2000×2500 mm
1.21	Weight	not more than 860 kg
2	**Radiation safety:**	
2.1	ANSI classification	Full-Body Scanner (Class A, as in ANSI/HPS N47.17-2009), Limited use (for doses 0.25 µSv and more)
2.2	Dose for the scanned individual/objects/appli cability:	
2.2.1	Min dose (2500 scans per year)	0.1 µSv / high dense objects / no limits for quantity of scans per year
2.2.2	Low dose (1000 scans per year)	0.25 µSv / small high dense objects / big low dense objects / weapons, explosives etc.

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2.2.3	Standard quality (250 scans per year)	1 µSv / small dense objects / small nondense objects
2.2.4	High quality (125 scans per year)	2 µSv /small dense objects and small nondense objects in obstruction environment (abdominal cavity)
2.2.5	Max dose (62 scans per year)	4 µSv /extra small (0.15 mm) dense objects and small nondense objects in obstruction environment (abdominal cavity)
2.3	Delivered dose control	Embedded dosimeters (calibrated during the installation)
3	**Power features:**	
3.1	Consumption	Max 1.5 kVA
3.2	Voltage	120V ± 10%, single phase, internal transformer to 230V.
3.3	Possibility to install a boost transformer in countries with the lower line voltage (on customer demand)	Can be installed either inside or outside the system
4	Detectability:	
4.1	Scanning field	2080 mm x 800 mm
4.2	Min seen wire	32 AWG (38 AWG optionally) for full-body image and 38 AWG (40 AWG optionally) for abdominal cavity image
4.3	Penetration	Min 34-38 (depending on scanning mode) mm steel
5	**X-ray detector features:**	
5.1	Detector type	Linear array, 2.5 or 1.6 mm pixels (optionally) detector plates for full-body and abdominal images.
5.2	Bit count	16 bit
6	**X-ray tube module features:**	
6.1	Generators type	Monoblock
6.2	Generators parameters:	
6.2.1	Anode voltage	160 kV
6.2.2	Anode current	0.1-1.25 mA for the 1st generator (full-body image) 1.2 mA for the 2nd generator (abdominal part image)
7	**Software features:**	
7.1	Full control of the CONPASS hardware system	– X-ray generators – X-ray detectors – Control electronics – Dosimeter – Periphery
7.2	Automatic real-time imaging	Operator must only initiate a scan – the software manages the rest.
7.3	Automatic narcotics detection in the abdominal cavity	Unique feature for helping the operator to detect narcotics in the abdominal cavity, and controls the operator's work. "DruGuard"® software.

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7.4	Automatic images storage control	After the inspection is completed each X-ray image is automatically transferred to the images database for storage and further reviewing.
7.5	Archives image search option	Each image in an archive can be found by the inspected person ID or name.
7.6	Automatic parameters setup for image viewing	The viewing parameters optimization filter is being launched automatically when the image is being opened for viewing, thus reducing the image processing time.
7.7	Automatic location and hiding of the genital area on the image	The software automatically locates and hides the genital areas on the image if required. To deactivate this function enter the admin password.
7.8	Manual parameters setup for image viewing	– scale – auto scale – positioning – brightness – contrast – edge enhancement – pseudocolors – contrast adjustment – Export into DICOM, BMP and JPG formats – Black/White Inversion
7.9	Color and brightness preset	Operator can chose and save the color and brightness presets and apply them during the image processing.
7.10	X-ray images comparison	Viewing two images simultaneously for visual comparison
7.11	Printing X-ray images	Printing out the current image or its fragment, also possible with typed notes.
7.12	Export X-ray images	Ability to save the X-ray images in a format (DICOM, BMP and JPG) viewable on any PC without the need for specialized software
7.13	Medical advisement possibility	Ability to save the X-ray images in a format supported by medical diagnostic equipment for further medical advisement
7.14	Prohibited objects images database maintenance	If prohibited objects are seen on the image, the operator can copy this image to the database and arrange for its simplified access for further comparison.
7.15	Images marking	Operator can place marks on the suspicious image areas and save them.

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7.16	Scanned individuals' info registration and saving into the database.	The function can be enabled that allows scanning only after ID info of the person to be inspected has been specified. In case that person has already underwent inspection via scanning - his info can be searched in a database.
7.17	Automatic dose count received during a scan	Dose received by an individual during a scan is registered in the database thus ensuring that the person won't be overexposed in the course of the succeeding multiple scans.

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8	Conformity Certificates

TSU®
TECHNICKÝ SKÚŠOBNÝ ÚSTAV PIEŠŤANY, š.p.
Certifikačný orgán certifikujúci výrobky
Krajinská cesta 2929/9
921 01 Piešťany, Slovenská republika

SNAS
Reg. No. 009/P-018

СЕРТИФИКАТ СООТВЕТСТВИЯ
CONFORMITY CERTIFICATE

№./No. 161299084

Производитель

Научно-производственное частное унитарное предприятие «АДАНИ»
ул. Селицкого, 7, г. Минск, 220075
Республика Беларусь

Продукт /тип
Сканер рентгенографический цифровой для персонального досмотра,
тип: КОНПАСС ДП, КОНПАСС

Настоящий сертификат соответствия подтверждает, что продукт соответствует основным требованиям безопасности следующих Директив ЕС/ЕU Нового подхода:

2006/42/EC Продукция машиностроения
2014/35/EU Низковольтное оборудование
2014/30/EU Электромагнитная совместимость

Европейские гармонизированные стандарты использованные для оценки соответствия указаны на обратной стороне сертификата.

Сертификат выдается на основании испытаний образца продукта.
Результаты приведены в Отчете об оценке соответствия № 160500005 от (дата) 04.05.2016

CE маркировку можно применить только в случае проведения оценки соответствия требованиям всех надлежащих Директив ЕС/ЕU

Manufacturer

Unitary enterprise „ADANI"
7 Selitsky str.,
220075, Minsk
Republic of Belarus

Product /Type
Full-Body Security Screening System,
type: CONPASS DV, CONPASS

This conformity certificate confirms the conformity of the product with essential safety requirements of the following EC/EU New Approach Directives as amended:

2006/42/EC Machinery Directive
2014/35/EU Low Voltage Directive
2014/30/EU Electromagnetic compatibility

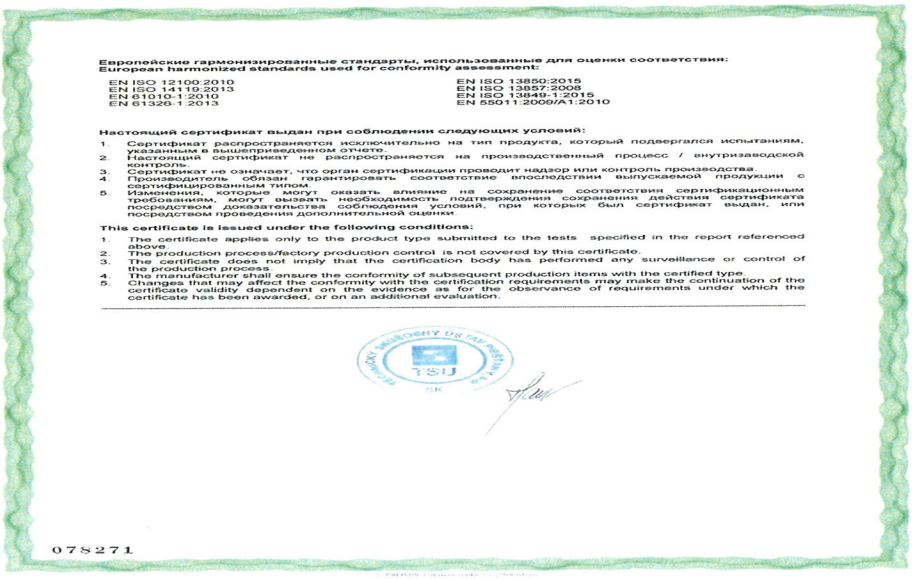
European harmonized standards used for conformity assessment are listed on the reverse side of the certificate.

The certificate has been issued on the basis of the tests of the product type sample.
The results are recorded in the Conformity assessment report № 160500005 dated 04.05.2016.

CE mark can be used only in the case of conformity assessment according to all relevant EC/EU Directives

Дата выдачи / Issue date: 05.05.2016
Действителен до / Expiry date: 04.05.2019
Издание / Issue: 1

Ing. Dušan HANKO
Руководитель отдела сертификации продуктов
Head of Product Certification Body



Европейские гармонизированные стандарты, использованные для оценки соответствия:
European harmonized standards used for conformity assessment:

EN ISO 12100:2010
EN ISO 14119:2013
EN 61010-1:2010
EN 61326-1:2013
EN ISO 13850:2015
EN ISO 13857:2008
EN ISO 13849-1:2015
EN 55011:2009/A1:2010

Настоящий сертификат выдан при соблюдении следующих условий:

1. Сертификат распространяется исключительно на тип продукта, который подвергался испытаниям, указанным в вышеприведенном отчете.
2. Настоящий сертификат не распространяется на производственный процесс / внутризаводской контроль.
3. Сертификат не означает, что орган сертификации проводит надзор или контроль производства.
4. Производитель обязан гарантировать соответствие впоследствии выпускаемой продукции с сертифицированным типом.
5. Изменения, которые могут оказать влияние на сохранение соответствия сертификационным требованиям, могут вызвать необходимость подтверждения сохранения действия сертификата посредством доказательства соблюдения условий, при которых был сертификат выдан, или посредством проведения дополнительной оценки.

This certificate is issued under the following conditions:

1. The certificate applies only to the product type submitted to the tests specified in the report referenced above.
2. The production process/factory production control is not covered by this certificate.
3. The certificate does not imply that the certification body has performed any surveillance or control of the production process.
4. The manufacturer shall ensure the conformity of subsequent production items with the certified type.
5. Changes that may affect the conformity with the certification requirements may make the continuation of the certificate validity dependent on the evidence as for the observance of requirements under which the certificate has been awarded, or on an additional evaluation.

078271

Intertek

AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant:	ADANI Systems Inc.	**Manufacturer:**	ADANI UP
Address:	901 N. Pitt Street Ste 325, Alexandria VA 22314	**Address:**	Selitskogo 7, 220075 Minsk
Country:	USA	**Country:**	Republic of Belarus
Contact:	Mr. Vladimir Klokov	**Contact:**	Ms. Natallia Shchurevich
Phone:	(703) 678-6644	**Phone:**	3.75173E+11
FAX:	(703) 528-0045	**FAX:**	3.75173E+11
Email:	klokov@adanisystems.com	**Email:**	shchurevich@adani.by

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Atlanta

Control Number: 5003366 **Authorized by:** for Dean Davidson, Certification Manager

ETL CLASSIFIED

Intertek

This document supersedes all previous Authorizations to Mark for the noted Report Number.

Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800.345.3851 or 847.439.5667 Fax 312.283.1672

Standard(s):	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1 General Requirements [UL 61010-1:2004 Ed.2 +R:28Oct2008] Safety Requirements For Electrical Equipment For Measurement, Control, And Laboratory Use – Part 1: General Requirements (R2009) [CSA C22.2#61010-1-2004 Ed.2 +G1]
Product:	FULL-BODY SECURITY SCREENING SYSTEM
Brand Name:	CONPASS
Models:	CONPASS, CONPASS DV, SecurPass SV, SecurPass DV

ATM for Report 101619395ATL-003A Page 1 of 1 ATM Issued: 13-February-14

Romaine Companies

CABINET FOR HEALTH AND FAMILY SERVICES

Commonwealth of Kentucky

EXPIRATION DATE:
12-31-2018

CERTIFICATE NO:
00570

RADIATION PRODUCING MACHINE

VENDOR REGISTRATION

ATTN: DELL ROMAINE
ROMAINE COMPANIES
1720 E 9TH STREET
HOPKINSVILLE KY 42240

Vickie Yates Brown Glisson, Secretary
Cabinet for Health & Family Services

Division Director, Rebecca Gillis
Division of Public Health Protection and Safety

Romaine Companies

Form **W-9**
(Rev. November 2017)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

▶ Go to *www.irs.gov/FormW9* for instructions and the latest information.

Give Form to the requester. Do not send to the IRS.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
Dell Romaine Companies Inc

2 Business name/disregarded entity name, if different from above
Romaine Companies

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☑ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):
Exempt payee code (if any) _____
Exemption from FATCA reporting code (if any) _____
(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.
1720 East 9th Street

Requester's name and address (optional)

6 City, state, and ZIP code
Hopkinsville KY 42240

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number
[ ][ ][ ] – [ ][ ] – [ ][ ][ ][ ]

or

Employer identification number
3 5 – 2 0 6 4 3 1 1

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here Signature of U.S. person ▶ Dell Romaine Date ▶ 02-08-2018

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9*.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, *later.*

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