

Exhibit 2

Pursuant to the request of the Office of Engineering and Technology of the FCC, the specification sheets for the proposed radar systems of the instant experimental license application (FCC File No. 0554-EX-PL-2006) are attached hereto.

Attachment 1

Specifications for Radar System ARSS-1

ARSS

Advanced Radar Surveillance System



transmitting peak power of only 5W. The ARSS can be set up quickly in the field. It can be vehicle-mounted for portability, fixed-based for facility surveillance, or utilized in a multiple unit configuration that can be linked to deliver broader surveillance coverage.

Ground Radar, Man-Portable

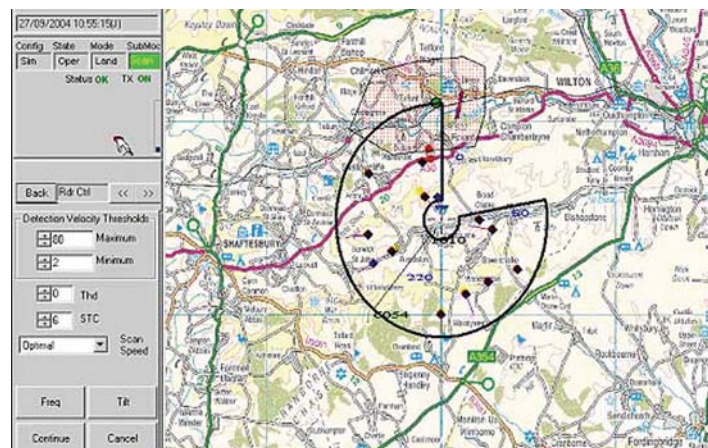
The man-portable version of the ARSS consists of three main parts: Transmitter/Receiver Antenna unit (TRA), Drive Pedestal, and Remote Control-Display Unit (RCDU). The lightweight Windows-based RCDU contains the system control panel and radar display that provides the operator the ability to operate the system in varied work conditions. The screen readouts and control panel are distinct and readable under various lighting conditions.

Ground Radar, Surveillance Utility Vehicle (GR-SUV)

The Telephonics ARSS ground surveillance radar can be integrated with virtually any mobile surveillance vehicle. The ARSS radar allows target detection and classification during day, night, and limited visibility conditions. An associated electro-optical system optimizes radar detection and classification of targets. The distinct advantages of Telephonics' mobile surveillance system are:

- Exceptional detection/classification capability

Flexible, Integrated, Real-Time Surveillance



Mission: Intelligence

Telephonics brings on-line, real-time field reconnaissance to a new level of access and preparedness with the ARSS – Advanced Radar Surveillance System. The ARSS ensures that critical mission intelligence is gathered in even the most intense environments – quickly, easily and reliably. This lightweight, low-power, coherent, ground-based radar system is rugged,

reliable and mission customizable. The ARSS is ideal for establishing portable, fixed, or highly mobile surveillance operations in the most demanding security, military and paramilitary applications.

Versatile and Capable

Incorporating pulse compression technology, the ARSS is an ultra-versatile Low Probability of Intercept (LPI) radar system with a

Telephonics brings on-line, real-time field reconnaissance to a new level of access and preparedness with the ARSS – Advanced Radar Surveillance System.

- Full life cycle maintenance support
- Extensive FLIR and workstation interface experience
- Surveillance systems with predicted systems reliability of over 2,000 hours
- Modular design makes it easy to add additional modes, features and software upgrades
- Antenna and receiver, transmitter design incorporates 100% solid-state proven technology.



ARSS Deployed by Norwegian Army for Border Surveillance

Ground Radar, Command and Control (C²)

In various surveillance environments, there is a need for the integration and centralized management of mission-critical information. The effective integration and centralization of such information provides commanders with enhanced and real-time situational awareness. Telephonics' ARSS enhances the effectiveness of forward reconnaissance patrols by providing the local patrols with "extended eyes and ears." Each forward position surveillance radar, with a surveillance range of up to 30 kilometers, can be located to provide over-lapping coverage.

Features:

- Extensive Built-In-Test (BIT)
- Enhanced display, PPI and B Scope, Digital Map, Clutter Map, Graphics-on-Color Display
- Flexible interfaces to extend functionality
- System Detection Ranges:
 - Pedestrian: 7-10 Km
 - Group: 10-12 Km
 - Light Vehicle: 15 Km
 - Heavy Vehicle: 30 Km
 - Hovering Helicopter: 15 Km
- Automatic "Search and Detect" in a defined sector
- Automatic tracking and Track-While-Scan (TWS) on 60 targets
- Search and Detect in any defined sector up to 358 degrees and up to 30 km
- Artillery detection of shell explosion and fire corrections (option)
- Alarm and no-interest zones
- Rugged MS® Windows-based processor
- Standard Ethernet communication channel
- XML Remote Interface
- Continuous 24 hours per day of operation
- Fully environmentally qualified
- Range accuracy: ±25 meters
- Range resolution: 50 meters
- Fixed scan speeds of 1.3, 2.6 and 3.8 RPM
- Pulse compression transmitted peak-power of 5W
- X-Band radar for excellent all weather performance
- Optional 24V power source available
- Audio and video output signals
- Target identification via audio doppler zones
- Capability of integrating multiple map formats
- Ability to continuously record radar operation

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Attachment 2

Specifications for Radar System 2107



4D Security Solutions, Inc.
Security, Communications, Command and Response
a division of Sentry Technology Group, Inc.

HDS-2107

FEATURES:

- Automatic detection of moving targets including visual and audio alarms
- High range accuracy and resolution
- PC NT based control unit with user friendly HMI
- Simple and easy to operate
- Display background area on actual digital map/picture
- Lightweight and low power consumption
- Simple networking of several main units to one PC
- Capability to operate via remote control from a distant command post
- Interoperability with additional sensors and security systems
- Easy installation and concealment and modular assembly
- High reliability, low maintenance, no calibration needed
- Growth potential

SPECIFICATIONS:

- | | |
|----------------------|-------------------------------|
| ▪ Working method: | High Resolution Doppler Radar |
| ▪ Frequency: | C Band |
| ▪ Detection Range: | 250m for Persons |
| ▪ Range accuracy: | ±1m |
| ▪ Azimuth accuracy: | ±2° |
| ▪ Power consumption: | 20w |
| ▪ MEU weight: | 3.5kg |



HDS-2107

Human Detection System

The HDS-2107 system provides continuous monitoring and detection of moving objects in all weather conditions and can be expanded by simply adding units. It is easy to define restricted areas, buffer zones and set automatic alerts for time of day monitoring. The system can patrol inside boundaries and perimeters of critical assets at the buffer zones in order to prevent invasions or potential threats.

The Human Detection System provides a very accurate and reliable tactical situation of elected areas together with exceptionally low false alarms and very little operator effort. The HDS-2107 is a compact, cost-effective and user-friendly radar system.

Applications

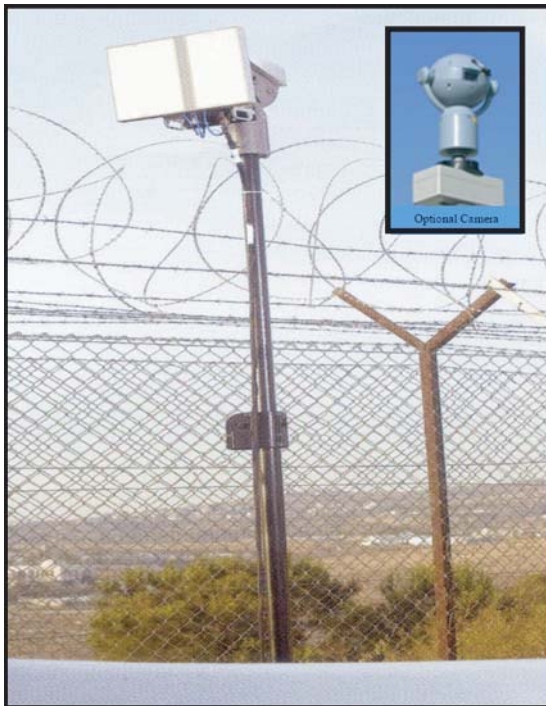
- Border Protection
- Power Plants
- Oil Rigs and Refineries
- Critical Assets
- Army Bases
- Air and Sea Ports
- Traffic Control
- Prisons
- Embassies
- Other Government Facilities



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HDS - Human Detection System

The HDS Series 2107P System provides high resolution imaging of moving objects, up to 300 meters in distance based on an Ultra Wide Bandwidth (UWB) waveform and processing logic. Advanced state-of-the-art digital processing and software algorithms are used to perform real time detection of moving objects, measurements, analysis and recognition in accordance with stringent governmental NAR/FAR requirements – thus enabling reliable, real time surveillance and alarms. The HDS consists of an antenna array, a transceiver, connecting cables and an integrated video assessment and tracking system.



Series 2107P
Permanent Mounted

HDS VALUE PROPOSITION

HDS, verified to be accurate, reliable, flexible, cost-effective, and state-of-the-art.

Low Lifecycle Cost	Low power consumption, Easy installation, and Low maintenance
Best Industry Warranty	3 years
Scalability	HDS modular design allows for easy scalability. Zone size can be increased by simply adding units to the system network
High Quality	Solid state MTBF (Mean Time Between Failure): 20,000 Hours (Calculated in accordance with Military Handbook 217F) MTTR (Mean Time to Replace): 30 Minutes (Replacement of Line Replaceable Units, LRU)
Highly Accurate	High Probability of Detection (PD) Regardless of weather conditions (90%) for people and vehicles

HARDWARE

BENEFITS

High range accuracy and resolution doppler radar	The system allows continuous monitoring and detection in all weather conditions
System built-in test	Easy to maintain - isolates 95% of the failures to subsystem module
Modular design	Multi-sensor array and scalability
PC based control unit	Easy installation
Lightweight and low power consumption	Extended operation
Uses RS232 or RS422 interface	Interoperability with other security system technologies through a PC interface
High reliability, low maintenance, no calibration needed	Low lifecycle costs
Hardware includes capability for IP, cellular or microwave networking of multiple units to one PC	The system may be connected in a netted configuration, integrating radars and electro-optical devices to one central computer complying with customer security requirements
Controllable via remote command post	Low exposure of operations personnel

SOFTWARE FEATURES

Automatic detection of moving targets	Security force reduction
Visual and audio alarms for each detection	High probability of timely response
User friendly Human Machine Interface (HMI)	Simple to operate
Control from a remote command post	Remote control data retrieval
Display background area on actual customer's digital map/picture	Allows radio response to threat area
Programmable according to areas status. (Restricted zones according to time frames, buffer zones, etc.)	Proper priority of response forces

BENEFITS

APPLICATIONS

Installation Security

Secures the perimeter for facilities such as: power plants, factories, military bases, air and sea ports, correctional facilities, embassies and other governmental facilities

Traffic Control

Tracks non authorized personnel and vehicles within selected areas

Border Protection

Enhances response force capability by real-time monitoring and tracking people/vehicles along the border

SPECIFICATIONS

HARDWARE	
Working Method	high-resolution Doppler radar
Frequency	C band
Detection Range	300m for humans
Horizontal Field of Detection	80°
Range Accuracy	±1m
Azimuth Accuracy	±5°
Power	24v
Power Consumption	20w
Communication	via RS-422/232
MEU Weight	3.5 kg
Operating Temperature	-25°C to +55°C
Storage	-40°C to +85°C
Humidity	Up to 95% relative humidity
Wind	During operation - 50 Knots
Salt Atmosphere	Exposure to salt air atmosphere
Sand and Dust	Exposure to sand and dust particles as encountered in operational areas (11grams /M3, wind 50 knots)
Mechanical Shock	Shock characteristics: half Sine wave 30 G, 11 msec
Solar Radiation	Exposure to solar radiation (105 W/ft2)
Vibration	Sinusoidal vibration in accordance with MIL-STD-810C, method 514.2, proc. VIII

SOFTWARE	
Operating System	Windows 2000 Professional
Software Language	C++

ECSI

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Attachment 3

Specifications for Radar System 2127



4D Security Solutions, Inc.
Security, Communications, Command and Response
a division of Sentry Technology Group, Inc.

SMDR-2127

FEATURES

- Automatic operation and fast reaction
- Track While Scan more than 30 targets
- Stand-alone or integrated with other surveillance systems
- Operating in all weather, all terrain conditions
- Simple installation, quick training and fast deployment
- Light weight, portable, one-person carried
- Remote operation by wire or wireless communication
- Low Probability of Interception (LPI)
- High reliability—full solid-state design with no moving parts
- Events recording (optional)

APPLICATIONS

MILITARY AND PARA—MILITARY

- Border monitoring
- Protection of military camps, bases and sensitive sites
- Use for ambush or raid as early warning on movements of hostile forces
- Border police support at international passes: airports, harbors, ground passes

ASSETS PROTECTION

- Power plants
- Communication centers
- Diamond mines
- Oil and Gas Production Facilities
- Prisons
- Water reservoirs

SMDR-2127

Smart Miniature Detection Radar

General

The SMDR-2127 system is the latest to join the Ground Surveillance Radar (GSR) family. The SMDR is a result of careful research and was designed to be used for the war against terror for short range applications with wide sector coverage. The SMDR-2127 is ideal for quick response missions where perimeter surveillance is needed or where strategic assets are under immediate threat and need protection.

The Smart Miniature Detection Radar is a light-weight, all weather radar with movement detection capability designed to monitor, detect and alert intruder's movement in selected zones of interest.

This solid state static LPI radar exhibits low power radiation, easy deployment and low power consumption. It can be controlled locally or remotely and can be used as stand alone device or part of a webbed network.

The SMDR-2127 radar provides quick reaction time and high resolution with extraordinary accuracy of detecting the intruder due to its beam steering technique within the protected zone. The SMDR incorporates 4-D's vast experience in ground movement detection radars and features advanced, state-of-the-art signal processing.

Installation Options

- **Fixed Installation**—Includes mounting hardware for ground, fence, pole, tower or buildings.
- **Mobile Installation**—Includes mounting hardware for Jeeps and SUVs. Operates when vehicle is not in motion.



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Environmental Performance

COMPONENT		
1	High Temperature	MIL-STD-810E Method 501.3 Procedure 2 Operation, ambient air conditions (+55°C)
2	Low Temperature	MIL-STD-810E Method 502.3 Procedure 2 Operation, ambient air conditions (-20°C)
3	Storage Temperature	-40°C to +85°C
4	Rain	The equipment is sealed and designed to operate in rain conditions according to: MIL-STD-810E PROCEDURE 1, 10CM/HOUR, WIND 18 METERS/SEC
5	Humidity	The Equipment is sealed and designed to operate in 88% relative humidity according to: MIL-STD-810E, Method 507.3 Table 507.3, HOT HUMID CYCLE
6	Vibrations	Ground fixed system operation. The equipment is designed to withstand vibrations typical to vehicles while it is transported inside its case and well fastened according to: MIL-STD-810E, CATEGORY 1, Figure 514.4-1
7	Exterior Parts	Waterproof to endure sand and salty spray/4-D uses inherently corrosion resistive materials: stainless steel, aluminum with corrosion protective finish. 4-D performed salt spray testing on all materials used on SMDR-2127.

Product Parameters

PERFORMANCE	
Detection Range:	
Pedestrian	Up to 1200m
Vehicle	Up to 2000m
Min. Detection Range:	15m
Min. Detected Velocity:	0.6 km/h
Range Resolution:	4m
Azimuth Resolution:	15°
Azimuth Accuracy:	1.5°
Altitude Coverage:	10°
Sector Coverage:	120°
Nr. of Tracked Targets:	30 by TWS (more on request)

SPECIFICATIONS	
Frequency:	X Band
Transmitted Power:	1.5W Peak; 100mW Average
Weight:	7 kg
Dimensions:	4m 500(w) x 280(h) x 240(d)mm
Energy Consumption:	Less than 35w
Operating Voltage:	18 to 48v dc
External Communication:	RS-232, RS-422, LAN
MTBF:	>5000 hrs
MTTR:	1/2 hr



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