XFYRE
Advanced Defence & Security Technology

Tiller INTERNATIONAL CAPITAL

2021
CORPORATE PROFILE

ADVANCED
DEFENSE CATALOG

THE
COMPANY

Innovation of

IDEAS & EFFICIENCY

in any of our endeavours

XFYRE (M) SDN BHD was conceived with the notion to break grounds and shift the nature of various industries. We believe in the innovation of ideas and efficiency in any of our endeavours.

Our team has experience in various projects ranging from telecommunication, network, power utility, security, forensics, surveillance, cyber-warfare and defence contract. We have assisted many government agencies in the area of threat management, intelligence gathering and research & development.

"Do not go where the path may lead, go instead where there is no path and leave a trail"

- Ralph Waldo Emerson

PHILOSOPHY & METHODOLOGY

To maintain high ethical standards in external and internal relationships. Decisions should be based on facts and objectively considered. Business should be kept in adjustment with the forces at work. People should be judged on the basis of their performance, not on personality, education or personal traits and skills. All business should be administered with a sense of competitive urgency.

VISION & PRINCIPLES

We believe in simplifying experience and providing disruptive pricing to enhance business competitiveness of our clients. Out strong fundamentals pushes innovation and we strongly believe in focusing on the few that are truly important and meaningful to us.

"Do not go where the path may lead, go instead where there is no path and leave a trail" - Ralph Waldo Emerson

PERSISTENCE

We do not say "NO" to our customers. We ensure every project that we undertake, we deliver with sheer excellence. We make sure delivered projects are monitored thoroughly even after completion. We maintain high level communications with our customers to ensure our products and services meet their standards and expectations.

PREPARATION

We expect nothing less from our people. We are industry certified from PMP (Project Management Institute), ITIL (IT Governance and Infrastructure/Service), Six Sigma (Business Process Improvement), Microsoft, Cisco (Networking), VMWARE (Virtual Machines), Citrix, BS7799/ISO 27002 (Security Policy), CIA/CISA (Audit Control and Security) and many other various certification in long standing industry. Our people are equipped, certified and ready to embark on any projects given in relation to our business.

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OUR
PRODUCTS

Innovative
BULLETPROOF SOLUTIONS

XFYRE specializes in innovative bulletproof solutions for the armed forces, security forces, civil protection, individual and critical asset protection.

Our work in defense and security covers a wide range of topics. For instance, we help clients develop and execute strategic plans, analyze organizational behavior, explore new methods to improve operational efficiency, and redesign and implement IT infrastructure and systems.

We have supported defense ministries, military forces, police forces, and justice ministries in all kinds of security projects. Examples of our products include the following:
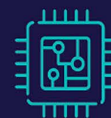
BODY ARMOR	VEHICLE ARMOR	BUILDING APPLICATION
SURVEILLANCE & COUNTER SURVEILLANCE	SATELITE COMMUNICATION	CORE TECHNOLOGY
POWER SYSTEM SOLUTION	FORENSICS	FIREWALL
TELECOMMUNICATION	MEDICAL PRODUCT	

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Product List

BODY ARMOR

- Overt
- Covert
- VIP

VEHICLE ARMORING

- Cars
- Vans
- Motorcycle

BUILDINGS APPLICATIONS

- House
- Bank
- Money Exchange
- Jewelry Shop
- Government Office
- Defense Parameters
- Vault
- Sentry Booth

SURVEILLANCE AND COUNTER SURVEILLANCE

- Inspection System
- Explosive Detector
- Under Vehicle Surveillance System
- Listening Device
- Metal Detector
- Audio Jammer
- Sweeping System
- White Noise interference
- Signal Jammer
- Wi-Fi interception System
- Surveillance Drone
- Face Recognition
- Night Vision Goggles
- Dashcam
- Body Camera
- Trakcers

SATELITE COMMUNICATIONS

- X-BAND Satellite Network

CORE TECHNOLOGIES

- Software Radio Technologies
- Digital Signal Processing Platform Technology
- Satelite Mobile Communication Techology
- New Generation VSAT Technology
- Mobile Phone Security Communication Technology

POWER SYSTEM SOLUTION

- Auto Reset
- Cable
  Micro – controller Ventilation F
  Busbar
  DEHN

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- DC – Power Systems
- DC – DC Converters
- Front Access Distribution Panels
- Supervisory / Control Panels
- DC – UPS
- Termination Panel
- Fuse Panels
- Load Disconnect Panels
- Relay Racks / Box Bays
- Temperature Compensation Panels
- Battery Fail Monitor
- Circuit Breaker Panels
- Ground Bars
- SuperSafe SBS
- SuperSafe TX
- SuperSafe T
- SuperSafe T front Terminal
- SuperSafe TE
- CFR – Alpha Controlled Ferro UPS
- LVD Magnetic Induction Lamps

FORENSICS

- Forensic Equipment

FIREWALL

- Next Generation Firewall

TELECOMMUNICATION

- Communications Structures
- Transmission Solutions
- Network Planing & Optimization Solutions
- Base Station Systems
- Radio Coverage
- Access Solutions
- Microwave antenna - 0.6m (2ft) Ultra High Performance Low Profile antenna
- 800 Mhz to 5800 Mhz Based Station Antenna for Mobile Communication
- Secured Mobile Phone System
- Surge Energy Absorb and Transfers System
- Cloud Solutions

Tiller INTERNATIONAL CAPITAL

ADVANCE DEFENSE
CATALOG

POWER SYSTEM
SOLUTION

1 DC - POWER SYSTEMS

Can design and manufacture any configuration of DC power system. From small to large capacity, from simple to complex – can customize a power system for any communications application in 12, 24 or 48 VDC outputs in current ratings ranging from 10 to 10,000A. Consult factory for specialized current and voltage output ranges.

2 FRONT ACCESS DISTRIBUTION PANELS

Front access distribution panels are uniquely designed to provide load distribution, alarm, meter and control functions all in one compact package. DCS series feature snap-in breakers, the DCP series feature plug-in breakers, while the DCB series utilize bolt-in breakers with current ratings ranging up to 1200A.

3 DC CONVERTERS

A full range of high frequency DC-DC converters are offered in any combination of 12,24 and 48 VDC configurations. Choose from the advance CSM line of modular converters or the traditional monolithic CS series. All converters utilize modern switch node technology to obtain dependable, highly efficient power output.

4 TERMINATION PANEL

Several Panel Designs are affered to meet various termination requirements. Using high grade copper, each panel accepts numerous telecomstyle connectors of varying wire sizes. Panel capacities are available up to 1200A.

Tiller INTERNATIONAL CAPITAL

POWER SYSTEM
SOLUTION

5 FRONT ACCESS DISTRIBUTION PANELS

The US01 and US02 systems offer a convenient "all-in-one" solution for small capacity communications equipment requiring primary DC power backup. Each unit is a selfcontained uninterruptible power supply (UPS) incorporating a rectifier, alarm/monitoring unit and maintenance-free batteries with output ratings of 48 VDC/5 A (US01) and 24 VDC/8 A (US02). Both are wall, floor or rack mountable and have a backup time of 2 hours at full load. An extended battery pack is also available for applications requiring more backup time.

6 FUSE PANELS

Offers numerous configurations of fuse panels using industry standard fuse blocks in sizes ranging from 1/4 to 600A

7 FRONT ACCESS DISTRIBUTION PANELS

Front access distribution panels are uniquely designed to provide load distribution, alarm, meter and control functions all in one compact package. DCS series feature snap-in breakers, the DCP series feature plug-in breakers, while the DCB series utilize bolt-in breakers with current ratings ranging up to 1200A.

8 CIRCUIT BREAKER PANELS

Several breaker panel configurations are available in varying sizes and ratings. These panels can be outfitted with differing breaker types and are available in capacities up to 700A.

9 SUPERVISORY PANELS

Two types of supervisory panels are available _ the SM and SD series. The advance microprocessorbased SM series are revolutionary supervisory panels that act as the main user interface as well as the control and monitoring center for the entire DC power system. In contrast, the SD series of control panels utilize traditional discrete design and can be customized to meet individual power system requirements.

10 GROUND BARS

Offers a variety of ground bars for compatibility with any application. The bars have a high current capacity range up to 1200A

11 CFR - ALPHA CONTROLLED FERRO UPS

▶ Pure sine Wave With Zero Transfer Time with ferro transformer
  Best Surge and lightning protection with
▶ complete output isolation (non-degradable protection)
▶ Scalable runtime with internal & Extended Battery Options
▶ LCD or LED Display Options
▶ Can be fitted with a variety plugs and Receptacles
▶ Serial & USB connections (SNMP interface)
▶ Highest efficiency (92%) and MTBF in the UPS industry

POWER SYSTEM
SOLUTION

1   SUPERSAFE SBS

A superior range of valve regulated batteries, with an impressive extended service life, high energy density and shelf life. Manufactured in a range of compact configurations using pure lead technology, the SBS range offers design flexibility where space is at a premium.

4   TEMPERATURE COMPENSATION PANELS

Offers battery temperature compensators for automatic adjustment of battery float voltages according to temperature conditions. These units maximize battery life and are available in 19" or 23" rack mounting or can be installed as standalone modules.

2   BATTERY FAIL MONITOR

Front access distribution panels are uniquely designed to provide load distribution, alarm, meter and control functions all in one compact package. DCS series feature snap-in breakers, the DCP series feature plug-in breakers, while the DCB series utilize bolt-in breakers with current ratings ranging up to 1200A.

5   SUPERSAFE TX

A full range of high frequency DC-DC converters are offered in any combination of 12,24 and 48 VDC configurations. Choose from the advance CSM line of modular converters or the traditional monolithic CS series. All converters utilize modern switch node technology to obtain dependable, highly efficient power output.

3   SUPERSAFE T FRONT TERMINAL

SuperSafe T Front Terminal is the acknowledged world leader in valve regulated lead acid technology for critical applications. Offering long service life with high reliability and delivering superior performance while occupying less space than conventional standby batteries, the SuperSafe T Front Terminal series is recognised worldwide as the premium battery for the telecommunications industry.

6   SUPERSAFE T

SuperSafe T is the acknowledged world leader in sealed lead acid technology for critical applications. Offering long service life with high reliability, SuperSafe T is suitable for a wide variety of applications. Delivering superior performance, while occupying less space than conventional standby batteries, the T series is recognised worldwide as the premium battery for telecom.

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SYSTEM
TELECOMMUNICATION

1	**COMMUNICATIONS STRUCTURES**

- ▶ Self-Supporting Communications Tower
- ▶ Monoples
- ▶ Roof - Top Structures & Masts
- ▶ Comouflage Telecomunication Structure

4	**TRANSMISSION SOLUTIONS**

- ▶ Digital Microwave Radios
- ▶ Spread Spectrum Radios
- ▶ Voice/Data Compression Equipment

2	**RADIO COVERAGE**

- ▶ In-Building Coverage Solutions
- ▶ Cell Enhancers & Filters
- ▶ Multicarrier Power Amplifiers
- ▶ Tower Mounted Amplifiers

5	**BASE STATION SYSTEMS**

- ▶ Microwave & Celullar Base Station Antennas
- ▶ Feeder & Waveguilde
- ▶ Connectors, RF Splitters & Combiners
- ▶ Power Systems & Batteries

3	**NETWORK PLANING & OPTIMIZATION SOLUTIONS**

- ▶ GSM Planning Tools
- ▶ Autonomous Network Tester

6	**ACCES SOLUTIONS**

- ▶ Cross Connects & Multplexers
- ▶ DSLAMs
- ▶ Wireless Broadband Access
- ▶ Wireless Local Loop
- ▶ Payphone Terminals

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7   TRANSMISSION SOLUTIONS

- ▶ Surge evergy absorb and transfer
- ▶ Surge rise time reduction
- ▶ Surge remnant voltage counteracting

Suppressed
1. Lightning Flash Surge
2. Switching Inrush current
3. Switching Surge
4. Electric Magnetic Pulse

8   800 MHZ TO 5800 MHZ BASED STATION ANTENNA FOR MOBILE COMMUNICATION
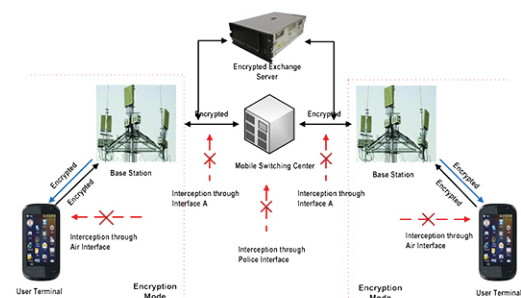
- ▶ VEDT Antenna Series with RET Options
- ▶ 2.4G/3.5G/5.8G WIMAX Antenna Series
- ▶ TD-SCDMA Smart Antenna Series
- ▶ Camouflage Antenna Series
- ▶ Regular GSM/CDMA Antenna Series

9   MICROWAVE ANTENNA - 0.6M (2FT) ULTRA HIGH PERFORMANCE LOW PROFILE ANTENNA

Diameter, nominal, m (ft)	: 0.6 (2)
Polarization	: Single V or H : pre-set V (Vertical).
Antenna Interface Flange	:Integrated and Standard
Antenna Color	: Light gray
Radome Color	: Light gray
Radome Material Description	: Anti-ultraviolet ABS material
Packing Carton	: RoHS 2002/95/EC Compliant

10   CLOUD SOLUTIONS

- ▶ Microwave & Celullar Base Station Antennas
- ▶ Feeder & Waveguilde
- ▶ Connectors, RF Splitters & Combiners
- ▶ Power Systems & Batteries

11   SECURED MOBILE PHONE SYSTEM

VEHICLE
ARMOR

1 BULLET RESISTANT GLASS

NIJ IIIA-IV (U.S.), CEN 1063 (EU) & NATO CERTIFIED STANDARDS
- ▶ Ability to withstand over 36 gun shots from a 9mm hand gun

2 UNDER-CARRIAGE BOMB RESISTANT PANEL

U.S. MIL-STD-662F, STANAG 4569 CERTIFIED
- ▶ Multi-blast resistant capability equivalent to over 3 hand grenade

3 BULLET RESISTANT BODY PANEL

NIJ v50 (U.S.) & CEN 1063 CERTIFIED
- ▶ Unprecedented protection over 200+ gun shots from 9mm hand gun

4 TACTICAL RUNFLAT   UPGRADE OPTIONS

Certified H.P. White Laboratory, Inc. Run Flat Inserts.
NIJ, STANAG/NATO & EU STANDARDS
- ▶ Ability To Move Freely Under Deflated Or Without Tires
- ▶ Specifications : NIJ III/IV Armor Piercing Resistant Material

5 COMPACT DASH   UPGRADE OPTIONS

Simply plug in to your cigarette lighter connection.
- ▶ Logs the location, time, date of any incident
- ▶ Video & audio recording and playback
- ▶ Night Vision & GPS Antena

Tiller INTERNATIONAL CAPITAL

BODY
ARMOR

1 · BODY ARMOR

- ▶ Armor — : NIJ IIIA
- ▶ Protections — : Bullet, Stab, Slash/Cut, Taser, Stun Gun & Needle
- ▶ Products — : Covert, Overt, VIP
- ▶ Weight — : 1.25kg-1.9kg
- ▶ Thickness — : 5.0mm-6.5mm
- ▶ Color — : Black & White

2 · HELMET · ACCESSORIES

NIJ LEVEL IIIA+ (NIJ 0106.01 STANDARD, CERTIFIED NIJ V-50)

- ▶ Protection against fragments from v50 ballistic standards exceeding 2400 feet/ps
- ▶ Excellent protection against more aggressive ammunition
- ▶ Exceed STANAG 2920, US Mil Std. 662F Standards
- ▶ Blunt Trauma protection
- ▶ Stab, Slash, Cut & Needle protection

3 · BELT & ACCESSORIES · ACCESSORIES

The inner portion, or padding, of the belt is constructed of a soft, textured neoprene and the neoprene adds a level of grip that keeps the belt in place, even when bending or stooping.

- ▶ Padded Pistol Belt
- ▶ Molle
- ▶ Belt Pouches
- ▶ Holster

Tiller INTERNATIONAL CAPITAL

MILITARY BODY
ARMOR

1 MILITARY BODY ARMOR

- ▶ Armor : NIJ IIIA & NIJ III
- ▶ Protections : Bullet, Stab, Slash/Cut, Taser, Stun Gun & Needle
- ▶ Products : Covert
- ▶ Weight : 1.25kg (IIIA) & 1.7kg (III)
- ▶ Thickness : 5.0mm
- ▶ Color : Various

	IIIA	III
SLASH / CUT PROTECTION	Up to 100 Joules (Military specs)	Impenetrable
NEEDLE PROTECTION	High protection (4.4 Joules)	Impenetrable
BLUNT FORCE TRAUMA (BFS)	Under 20 mm	Zero/None
STAB PROTECTION	(KR1+SP1)	(KR2+SP2)
PROTECTION STANDARD	· NIJ Level IIIA · Certified 0101.06 Standard · Tokarev Ball 7.62 x 25mm · Makarov 9x18mm · Effective against all handgun ammunition.	· NIJ Level III · Certified 0101.06 Standard · Military Grade

ADVANCE
BODY ARMOR PLATE

1	**XFYRE NIJ III+**

- ▶ Armor : NIJ III+
- ▶ Configurations : Stand-Alone, Multi-Hit
- ▶ Weight : ± 4% or .50 lbs. (0.23kg)
- ▶ Areal Desity (Weight) : 4.26 lbs/sf, 20.79 kg/m
- ▶ Thickness : 0.95" ± 0.125" (2.4cm ± 0.32cm)
- ▶ Dimensions : ± 0.375" (± 0.95cm)
- ▶ Curvature : Single curve
- ▶ Material : Polyethylene
- ▶ Protective cover : Polyurea
- ▶ Compliance tested : U.S. NIJ Level III 0101.06, German VPAM Level 6, NATO STANAG 2920 Level B4
- ▶ Color : Black
- ▶ Available options : Custom ballistics products and solutions available upon request.
- ▶ Warranty : 15 Years

CUT OPTIONS

SHOOTERS (SH) SAPI CUT (SE)

Full size and other custom cuts and sizes available upon request

Tiller INTERNATIONAL CAPITAL

BUILDINGS & CUSTOMIZED
APPLICATION

	1	**BULLET RESISTANT WALL PANEL**

NIJ v50 (U.S.) & CEN 1063 CERTIFIED
▶ Unprecedented protection over 600+ gun shots from 9mm hand gun

	3	**BOMB BLAST PROTECTION**

U.S. MIL-STD-662F, STANAG 4569 CERTIFIED
▶ Ability to withstand multiple bomb attacks.

	2	**BULLET RESISTANT GLASS**

NIJ IIIA-IV (U.S.), CEN 1063 (EU) & NATO CERTIFIED STANDARDS
▶ Ability to withstand armor piercing bullets up to 30-06 AP

Tiller INTERNATIONAL CAPITAL

ANTI RIOT
PROTECTIVE GEAR

Gas Mask	Gas Mask	Helmet
Body ARG 100	groin ARG100	Body + Groin guard ARG 109
Glove ARG 100	Arms ARG 100	Glove ARG 109
Leg ARG 100	Arms ARG 109	Leg ARG 109

Shield	Pouch	Bag

1 ANTI RIOT GEAR 100 & 109

The ARG100 & ARG109 is the ultimate high-threat level riot control, domestic disturbance, and cell extraction suit. The ARG100/109 design provides substantial protection from blunt force trauma without sacrificing the fit or comfort. The suit is lightweight and ranks highest in easy to put on or take off in a moment notice.

MATERIAL
- ARG 100 : Strong, resistant, Polypropylene (PP)
- ARG 109 : Strong, resistant,Polyethylene (PE)

PRODUCTION
- ISO 9001:2008, ISO 14001:2004 certified

CERTIFICATES
- Authorized and independent test laboratory Home Office
- United Kingdom test level: KR2 (33 Joules)
- Fire Retardant EN ISO 6941:2003 (UL 94-V2)

FEATURES
- Able to whistand knife attack, chemical and molotov cocktails
- Inflammable & fire resistance
- Able to whistand extreme temperature until 55ºC
- Able to withstand continuous direct hit using 5.8kg steel ball to chest and back protector from a distance of 200cm
- Flexible, easy to wear and remove for purpose of mobility and agility

Tiller INTERNATIONAL CAPITAL

INSPECTION
SYSTEM

1   PORTABLE X-RAY DETECTOR

Patrol Backpack X-Ray Detector (PBXD) for Security applications provide a complete solution for grabbing x-ray images in the most extreme & demanding environments. PBXD are the lightest and most durable of their kind and offer unique capabilities.

- ▶ Most Rugged System.
- ▶ Cutting Edge Detectors.
- ▶ Smallest Footprints.
- ▶ Highest Image quality.
- ▶ Longest Battery Life.
- ▶ Touch Software. Parallel Multi Location Control & Display

2   PORTABLE X-RAY INSPECTION SYSTEM (PXI160)

PXI160 is a unique portable X-ray inspection system with a minifocus and microfocus constant potential X-ray source. The voltage can be adjusted from 20 to 160 kv. This allows inspecting objects made from different materials with various density and thickness (20-70 kv is the optimal voltage for checking mail and thin objects, while 100-160 kv works best for baggage and thick objects). PXI160 portable X-ray inspection system is intended for a wide range of applications, for customs, law enforcement, police, airport and the others, including:

- ▶ Mail inspection, handguns and explosives detection in left luggage and suspicious packets;
- ▶ Detection of concealed eavesdropping devices (bugs) in furniture,
  building structures, office equipment, etc.;
  Non destructive inspection and evaluation.

Tiller INTERNATIONAL CAPITAL

PORTABLE
EXPLOSIVE DETECTOR

1 HANDHELD EXPLOSIVE DETECTOR (HED2M)

HED2M is a hand-held explosive vapor detector capable of detecting trace amounts of explosives. Used in screening people, luggage, cargo, vehicles and buildings.
- ▶ Lightweight.
- ▶ Real time sampling and analysis.
- ▶ High sensitivity.

2 SEMICONDUCTOR DETECTOR (SC-D)

SemiConductor Detector (SC-D), is intended for search and detection of devices containing semiconductor components. This device is capable of detecting :-
- ▶ Electronic fuzes of explosive devices.
- ▶ Radio microphones,including those remote controlled.
- ▶ Microphone amplifiers.
- ▶ Devices for covering data acquisition in IR.
- ▶ Concealed recording device.

Tiller INTERNATIONAL CAPITAL

UNDER VEHICLE
SURVEILANCE SYSTEM

1 UNDER VEHICLE SCANNER (UVS)

Under Vehicle Scanner will enable your security staff to perform high quality and highly efficient inspection against explosives, weapons, narcotics, and other contraband hidden under vehicles.

▶ Use of LED infrared lighting, the best possible illumination technology for Under Vehicle Surveillance Systems.
▶ Not sensitive to sunlight.
▶ High durability.
▶ Low power consumption in contrary to halogen and/ or white LED.
▶ Designed to provide a crystal clear image of the underside of the vehicle
▶ From small cars to trucks up to 18 meters.

2 PORTABLE UNDER VEHICLE SCANNER (PUVS)

Our Portable Under Vehicle Scanner support fast and easy detection of dangerous objects, such as weapons and explosives, drugs and contraband as well as safety or quality defects (e.g. rust).

▶ For flexible safety controls at changing inspection sites.
▶ Fast assembly and disassembly as well as uncomplicated transport.
▶ For all vehicle weight classes and track widths.
▶ Available with light aluminium ramps or with very robust rubber pads.

Tiller INTERNATIONAL CAPITAL

LISTENING
DEVICE

1 AUDIO BUG TRANSMITTER WITH RECEIVER + RECORDER (ABT500)

With ABT500 you will be able to listen and record a conversation at long distance. All you need to do is hide the transmitter and start listening to the conversation.

- ABT500 signal distance is up to 500m.
- The Transmitter will work for about 16 hours on a single battery charge.
- The recorder allows any conversation to be recorded at any given time.

2 DIRECTIONAL SOUND AMPLIFICATION SYSTEM (DSA300)

XFYRE Directional Sound Amplification System is a reliable sound amplification system that helps to detect and identify surrounding sounds more thoroughly.

- The system features a microphone with wind protection, built-in power supply with up to 300 operating hours and a threaded 1/4 mount to attach to your trail cameras or rifle scopes.
- The amplification sound system is perfect for search-and-rescue, wildlife monitoring and security purposes.
- Lightweight & Compact.
- High Sound Sensitivity.
- Broad Frequency Response.
- Clear Sound Output with Wind Protection.
- Built-in Power Supply w/ 300 Operation Hours

3 LONG RANGE AUDIO AMPLIFIER 270 (LRAA270)

Our long range audio amplifier is equipped with a 20" parabolic dish and a pistol gripped microphone so that you can listen closely to sounds up to 270 meters away.

- 6 panel snap together parabolic dish.
- 3 band equalizer.
- Output jack for tape recording.
- Communications input jack.
- Can be mounted on tripod.
- Uses 2 AAA batteries.

4 BEHIND WALL LISTENER (BWL100)

This wireless listener device is designed to allow both professional and domestic users to hear through walls and listen from up to 100 metres away.

- The transmitter is powered by 1 x 3v Lithium CR2032 battery that will operate for up to 34 hours.
- The receiver is powered by 2 xAAA batteries that will give up to 20 hours of use.
- Both units are supplied with batteries and antenna and the system operates on a frequency of 960 - 1300Mhz.
- The transmitting power is 5Mw.

Tiller INTERNATIONAL CAPITAL

COUNTER SURVEILLANCE
EQUIPMENT
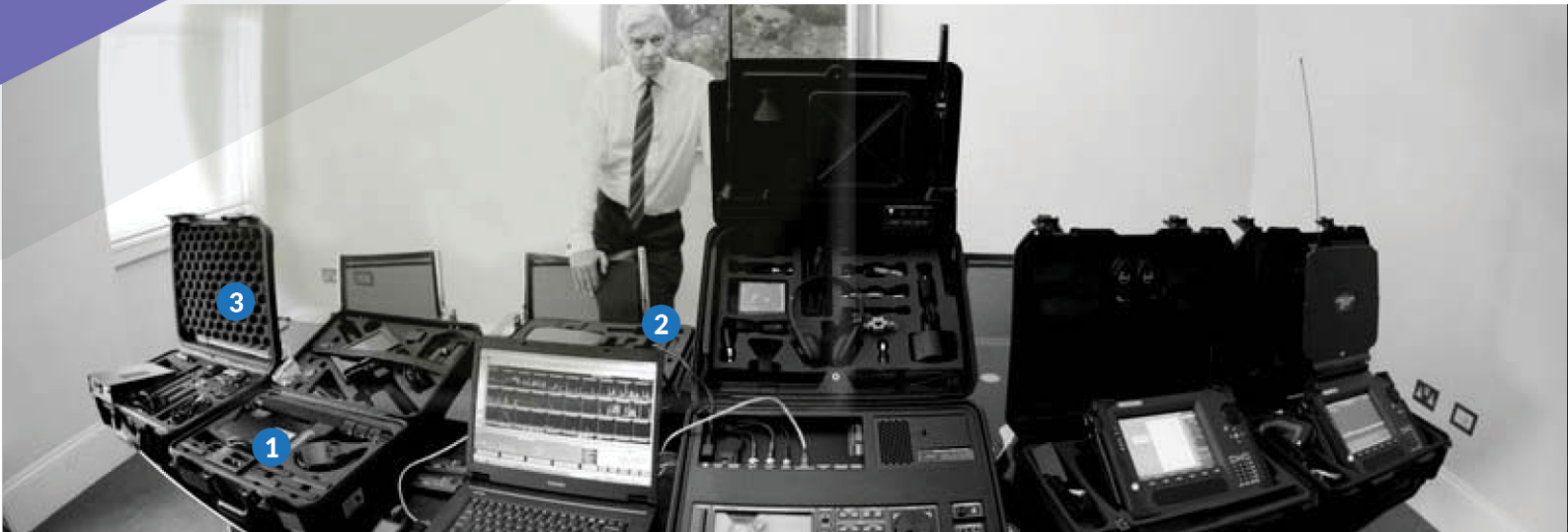
1 — RF WIRELESS 6000 (RFW-6000)

RFW-6000 travels easily in a pocket, allowing security personnel to sweep a subject in seconds for a wide range of listening devices.

- Wide 50-6000MHz frequency range
- Impressive battery life for 10-20 hours of scanning Uncover VHF/UHF transmitters,
- GSM/3G devices, wireless video cameras, WiFi audio and video transmitters, GPS devices and much more.
- Running on one AAA battery, the RF Wireless Signal Detector Wand can last upwards of 20 hours.

3 — GSM PROTECTOR (GSMP)

The GSMP has been designed to detect and indicate the illegal activation of a mobile phone. In addition to this main function, the GSMP also creates interference to the surrounding area of the telephone's microphone by generating 'white noise' when radio-waves are detected; this noise suppresses the microphone in the telephone rendering it useless.

2 — AUDIO JAMMER SECURE (AJS-X)

Audio Jammer Secure (AJS-X) is the most advanced portable audio jammer and speech protection system which protects you against third person listening, eavesdropping, and recording devices. It creates a sound barrier interference which masks your speech and conversation to be extremely difficult or impossible to extract the original content from the noise.

When it is used in the correct manner, The Stealth SM2040DX will protect you from;

- Third person listening
- Voice recorders(tape and digital)
- Microphones, wireless microphones Stethoscopes
- Laser listening device.
- GSM/Bluetooth/Wi-Fi transmitters, etc.

4 — COUNTERSURVEILLANCE SWEEPING SYSTEM 50

New countersurveillance sweeping system for detection of radio transmitting, wired and infrared bugging devices (frequency range up to 12.4 GHz).

- Uses digital receiver-spectrum analyzer.
- Sweeping speed is 50 MHz per second.
- Analysis of signals on 2 antennas provides detection of all local transmitters not depending on the type of modulation.
- Quickly and reliably detects eavesdropping devices which use the RF waves, wires and infrared beams for transmission of information from the premises.

Tiller INTERNATIONAL CAPITAL
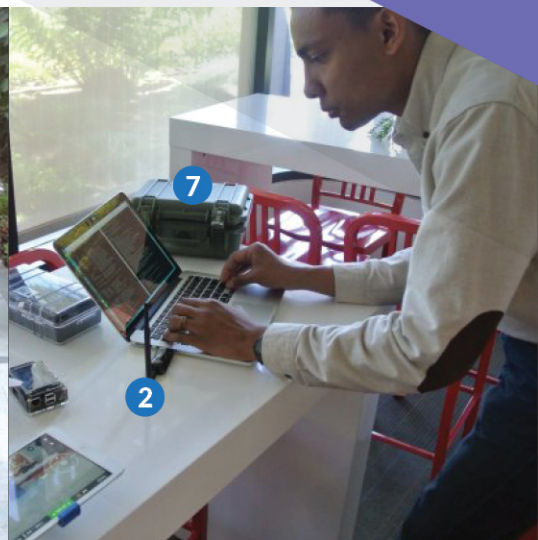
4 · VOICEPROTECT ANTI-WIRETAPPING (VPAW)

The VoiceProtect Anti-Wiretapping device utilizes multiple dynamic PHA processing technology, making it the first time this tech has been implemented for commercial distribution. This sophisticated hardware combines digital encryption with analog scrambling technology. The device scrambles voices into analog noises before transmitting over the unsecured network and converting them back to intelligible voices on the other end. Your privacy and intellectual property will now be safe from eavesdropping or wiretaps when you use an unsecured line.

5 · XFYRE VOICE CANCELER (XC150)

Protection from eavesdropping meets the blended performance of this handheld, battery operate White Noise Generator. The XC150 creates an additional barrier of noise interference, reaching out farther than other models, making it possible to mask your conversation when confidentiality is necessary.
- Protects up to 150 ft of space (Extended 300 feet)
- Effective against any microphone based eavesdropping device
- Battery Operated
- Hand-Held Device
- Conversation Protection Area: Up to 150.0 ft² / 13.9 m²
- Frequency Range: 300Hz-4600Hz

6 · XMJ05 PORTABLE BOMB JAMMER

XMJ05 Portable Bomb Jammer is specially developed for protection of VIPs, Military/ Security staff or EOD teams from RCIEDs.

Because of the variety of jamming targets and a wide range of uncertainties, we have adopted the most advanced and effective jamming signal modulation method, which will increase the jamming efficiency in each band, so that to provide security protection and ensure the safety of VIPs.

7 · WI-FI INTERCEPTION SYSTEM (WIS005)

Wi-Fi interception system WIS005 is developed for police operations and searching of information leaks in the office premises, government agencies and other structures where access to Wi-Fi networks is possible. The system consists of 3 main modules: cracking module (Penetrator), interception module (Interceptor) and localization module (Aircheck).

FUNCTION
- Intercepting on Wireless Traffic over the Air
- RF Jamming on Wireless Traffic over the Air
- Intercepting on Wired Traffic in the LAN
- As SSL proxy for Interception on HTTPS Traffic at both LAN and WLAN

Tiller INTERNATIONAL CAPITAL

SURVEILLANCE
DRONE

1 ZOROD

The Zorod offers one-of-a-kind aerial solutions for real time intelligence and communication, tailored to the needs of enterprises. Zorod is based on a tethered hovering platforms featuring unlimited power and operational time, as well as exceptional payload, visibility and mobility.

- ▶ Perimeter security for enterprises' critical insfrastructure.
- ▶ Communication in a variety of missions.
- ▶ Cellular communication. Mine control.
- ▶ Electricity infrastructure monitoring.
- ▶ Firefighting missions.
- ▶ Disaster area missions.
- ▶ Controlling mass events.
- ▶ Surveillance of forests and nature reserves.
- ▶ Oil and gas pipelines and rigs.
- ▶ First response team.

Tiller INTERNATIONAL CAPITAL

FACE
RECOGNITION SYSTEM

1   FACE RECOGNITION SYSTEM

The use of double identity as well as fraudulent use of identity is a crime where one person uses another person's personal data, without authorization, to deceive or defraud someone else. This activity occurred from time to time often done by criminal offenders where they are always changing to conceal their identity when they commit a crime. This enables them to move around and hiding, as well as escaping prosecution and punishment.

FEATURES:
Our dynamic face monitoring system can be use with the traditional video surveillance software, by integrating features like dynamic face monitoring alarms and other services. This features relies on our face recognition database for comparison to identify the face images from the front-end HD video camera, where it analyze the image of the face to identify the person and begin to do follow-up.

Large Database for Face Recognition Search:
- ▶ Face recognition library of the resident populations.
- ▶ Face recognition library of temporary resident populations.
- ▶ Quick identification using the database to identify unknown identity
- ▶ Can be use for population management, online investigation and others.
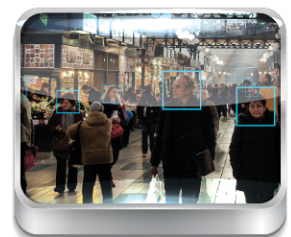
SATELLITE
NETWORK

1   X-BAND

Satellite Communication is widely used by military forces for beyond line of sight communications. X band is used because it provides a compromise between the characteristics of different frequency bands which is particularly suited to the needs of military users. The characteristics include

- Interference Resilience
- Rain Resilience
- Terminal size
- Data Rates
- Remote coverage
- Reserved for Governmental use

Channel distribution :

- Support distributing satellite channels according to need/predistributing channels.
- Accept building chain application, distribution or reject the allocation of frequency resources and routing.
- Record each building chain request and successfully recognize whether it's done or not.
- Priority allotment.

Configuration management :

- Support that operator to build the initial configuration of each station and channel unit, setting up the operating parameters of the whole network, stations and each channel unit.
- Get a hold in real-time of the operating state.
- Support the operator of each station.
- Support operator to distribute satellite channel resources.
- Support whole network IP address planning
- Support videocast service, point-to-point video service allocation and planning support.
- Network monitoring
- Record the whole network service state.
- Provide records and alarms of any abnormal condition

Management capacity:

- Support 5000 remote terminals at most.
- Support satellite frequency resources of 64X36MHz at most.
- Support 36000 calls per hour at most.

FIREWALL

1   NEXT GENERATION FIREWALL

What's Wrong with Traditional Firewalls?

If your company has a traditional firewall, it is probably jeopardizing your security and costing you money.

You can think of a traditional firewall as a receiving clerk at the loading dock. The clerk can open and close cargo bays and turn away some delivery trucks, but he has no visibility into the contents of the trucks. He can't tell if they contain illegal substances. He also can't stop people from flooding the mailroom with items unrelated to work, because he doesn't know who in the building is sending and receiving packages.

Why You Should Not Use Traditional Firewall?

Wide Open To Advanced Attacks.
- ▶ Traditional firewalls don't effectively protect networks against application-layer attacks and attacks that are designed to bypass firewall inspection. If an inbound
- ▶ traffic is using ssl (Secure Sockets Layer), traditional firewall will not be able to see the traffic content and will allow the traffic to go through. Hackers can make use of this loophole to bypass detection.

Hard To Manage
- ▶ Traditional firewall only evaluates incoming traffic based on IP address and port. This method is no longer relevant in a world where social media and applications are evolving. It often causes them to be configured in an insecure manner due to its inflexibility.

Limited Capacity For Growth
- ▶ Traditional firewalls are not built for growth. Adapting a firewall to a growing business can be very expensive

FORENSIC
EQUIPMENT

2 FORENSIC PORTABLE LAB (FPL-DATA EXTRACTION)

Forensic Portable Lab (FPL-Analysis) is a data Acquisition and Analysis tool that is designed to perform both as a fast and reliable hard drive imaging and data analysis unit.

▶ This computer forensic system is built for the road with all the tools necessary to acquire or analyze data from today's common interface technologies including FireWire 1394A/B, USB, IDE, SATA, SAS and SCSI.

▶ With features such as multiple media support, multiple capture mode support, on the fly hashing capabilities, powerful processor for analysis, the FPL-Analysis is a versatile and powerful Forensic tool.

▶ It can be used to image hard drives of any kind as well as capturing data from other media and unopened computers, and supports different copy formats and hashing methods.

Tiller INTERNATIONAL CAPITAL

SELF DEFENSE

1 FOLDABLE SHIELD BAG (FSB)

The Foldable Shield Bag (FSB) is designed to be versatile and effective against handgun shotgun, and rifle rounds. The Savior's proprietary design allows the user to add a NIJ rifle rated plate (Lvl III) to provide more protection against higher level threats.

- Waterproof 1680 ballistic nylon.
- NIJ rated ballistic materials level IIIA protection with optional Max III (rifle).
- Adjustable strap for "hands free" operation.
- Utility pouch with attachments (sold separately) for handgun, Taser, etc...,

2 PEPPER SPRAY 110ML (PS110)

XFYRE-PS110 contained Oleoresin Capsicum, which is an inflammatory agent that is made from hot cayenne peppers. Once it is sprayed into someone's eyes it will produce severe burning, restrict breathing, create temporary blindness and cause disorientation. The instant effects of your Pepper Spray will normally last between fifteen (30) minutes to one (1) hour. Hopefully, providing you with enough time to get away from any danger and get help. Pepper Spray is non-lethal but very effective when used properly.

- Suitable for use by anyone , from children , teenagers, adults , the elderly, men and women.
- Small like a perfume bottle can be taken anywhere even put into your pocket.
- Provide a window of time for you to escape , so when those Capacity is at 110ml

3 TASER 15

The TASER15 provides double the knock-down power you expect from a TASER self-defense device, as it comes fully-equipped with an immediately available back-up shot. Designed by law enforcement, for law enforcement, TASER15 is for everyday civilians who are looking to strengthen their home or personal protection plans. This tool is perfect for professionals looking for added defense on the job, including security and process servers.

4 TACTICAL STUN GUN WITH FLASHLIGHT (TSG-300M)

TSG-300M is engineered to meet the demands of Police, Military and Security Professionals as a Powerful Stun Baton. By just test firing this unit into the air is often enough to stop an attacker due to the bright electric current pulsates across the top of the unit, that creates an intimidating electrical sound.

An attacker with any sense will be stopped in his tracks. If the sight and sound doesn't stop him, a jolt from this unit certainly will

- Military Grade Aluminum Alloy
- Double Stun Technology
- Blinding 3 Watt CREE LED Light
- Size 14.5 inch long

Tiller INTERNATIONAL CAPITAL

COMMUNICATIONS

1 SNOOPER GLASSES (SG-SE)

Snooper Glasses (SG-SE) is an innovative spy product designed with the aim to establish two-way secret communication between you and your assistant during mission, exams, public speeches, etc. Instead of lenses ordinary glass is used, which permits everyone regardless of the eye sight make use of the device.

3 COVERT BLUETOOTH (CB08)

Covert Bluetooth is a two-way communication between you and your assistant during missions, examinations or conferences.

- ▶ The set includes a Bluetooth transmitter, micro earpiece and a charger.
- ▶ Bluetooth transmitter looks like a cable loop that is put around the neck and gets hidden under your clothes so that nodody can see it.
- ▶ The battery life is up to 8 hours.

2 COVERT PEN (CP08)

Covert Pen permits you to set up wireless covert connection with your partner and get replies during your missions or examinations.

- ▶ Consists of a Bluetooth transmitter in-built into a pen and a wireless earpiece.
- ▶ The device is suitable for any cell phone with Bluetooth option.
- ▶ The battery life is up to 8 hours.

4 GSM BOX (GSMB-SE)

GSM Box (GSMB-SE) is a unique spy device for invisible two-way mobile communication during missions, exams, conferences and other important cases that require secret assistance. The GSM Box replaces a cell phone and works with SIM-cards of all mobile operators WORLDWIDE.

- ▶ The spy box features a built-in GSM module operating at 900+1800MHz for European and Asian networks and at 850+1900MHz for Australian and American providers.
- ▶ Comes with a wireless earpiece (Up to 8 Working Hours)
- ▶ A Charger

Tiller INTERNATIONAL CAPITAL

1 NIGHT VISION GOGGLES (NVG-1X24)

Observe the night in a new fashion as you try out the Night Vision Goggles (NVG-1x24). The Tracker line of night vision is compact, lightweight and provides a wide field of view. The water resistant body increases the binoculars' versatility, while the central focusing knob and fixed eye span distance provide comfort and reliability.

2 LAW ENFORCEMENT BODY CAMERA (LEBC-140)

Law Enforcement Body Camera (LEBC-140) is the latest enforcement field audio and video recording product that uses multiple latest video and audio processing technologies. This is the perfect device for people who are working in the law enforcement industry.

3 MONOCULAR THERMAL IMAGING (MTI1000)

Get premium thermal imaging performance with the Monocular Thermal Imaging (MTI1000). MTI1000 offer you an imaging solution that surpasses the drawbacks of traditional low-light and night vision cameras solutions. They detect the unique heat signature of each object and then process the raw information into usable images. Since they don't need light to function, they can see through fog, smoke, and light vegetation even in day time or even total darkness.

4 CD4-2CH: FULL HD (FRONT) + (REAR)

DCD4-is a dual-channel dashcams that record simultaneously the front and back or interior of your vehicle. It comes with a very compact design, with the front camera almost invisible to the driver's eye, letting you focus on the road, knowing that you are protected.

5 REAR VIEW MIRROR DASH CAMP (RVMDC-6018)

RVMDC-6018 comes with various types of feature to fit your needs. Full HD 1080P for clearer image, Loop Recording for non-stop recording, G-sensor for emergency lock the most important evidence, Motion Detection for safeguard your vehicle, 6 Infrared LED Lamps for clearer night vision, Builtin Microphone for audio recording

Tiller INTERNATIONAL CAPITAL

TRACKING

1 TINY COVERT TRACKER 500 (TCT500)

Our Tiny Covert Tracker 500 log tracks location, time, speed and the amount of time spent in one location for days. It comes with a sleep-mode option to automatically shuts down the unit after 10 minutes, drawing less power and not recording useless data. But when the target moves, the receiver automatically powers back up again.

3 THE SOS CALLER (TSC10)

The SOS Caller (TSC10) is a highly versatile text tracker that can perform two-way SOS alarm communicator.

- ▶ Easy to set up – just follow the simple instructions to enter your SOS numbers and set up safety zones.
- ▶ Easily attaches onto keychains, belts, bags, lanyards or pet collars.
- ▶ Ultra reliable GPS tracker gives you the SOS tracker's location instantly. Easy to charge – supplied with your own charging dock.
- ▶ 10 day battery on standby.

2 MINI LOCATION TRACKER (MLT)

This Mini Location Tracker fits in pencil cases, backpacks, school folders, lunch boxes, soft toys and any item of clothing. The best tracker to keep track of your children, 24 hours a week.

- ▶ No need to remove your mini tracker from your asset to charge the battery.
- ▶ The charging mat will charge it through fabric.
- ▶ 24/7 full access of your own unique mapping panel; meaning you can view your asset in live time as well as reviewing the full history report of any of it's journeys.
- ▶ Track items and assets that were previously either too small or logistically difficult to install a tracker to.
- ▶ This particular small GPS tracker can fit in the lining of handbags, luggage and clothing items.
- ▶ Free tracking app.

4 MAGNETIC ASSET TRACKER (MAT34)

Ready to use straight away, no set up required. Simply turn the device on and you will get live tracking updates to your phone, tablet or computer.

- ▶ Small and discreet live magnetic GPS tracker.
- ▶ Fits covertly underneath any vehicle and easy to get in to confined spaces.
- ▶ Up to 10 days battery between charges.
- ▶ Water resistant, magnetic case with a 34kg pull magnet.
- ▶ Your GPS tracker stays attached until you're ready to take it off!
- ▶ New advanced and easy to use mapping panel.
- ▶ Monitor your GPS tracker in real time from your desktop, laptop, tablet or smart phone.
- ▶ Full tracking history recorded.

Tiller INTERNATIONAL CAPITAL

POSTURE
CORRECTIONAL

3   POSTURIZE

Posturize is a posture correctional product that helps cueing your body's natural ability to support itself in the most efficient manner. These are critical tools in building endurance, posture support and improve your gaming ability without having you need to do anything extra.

TECHNOLOGY:

Anti-Bacterial
▶ The fibers is this fabric have been treated to incorporate an antibacterial technology making the finished garment resistant to the growth of microorganism (fungal).

Cooling Technology
▶ Incorporates the naturally cooling jade stone into its fibers, creating a cooling effect on the skin of up to 10° fahrenheit

Posture Correctional Technology
▶ This technology works with your body to create the necessary awareness that enables you to see and feel your posture improve immediately.

Smart Compression Technology
▶ Technical fabric that conforms to your posture and core muscles like an Intelligent Second Skin.
The principles of anatomy combined with high quality
▶ compression created the invention of Smart Compression Technology. It mimics the effects of kinesiology taping and instantly switches on the muscles that support your posture and align the spine.
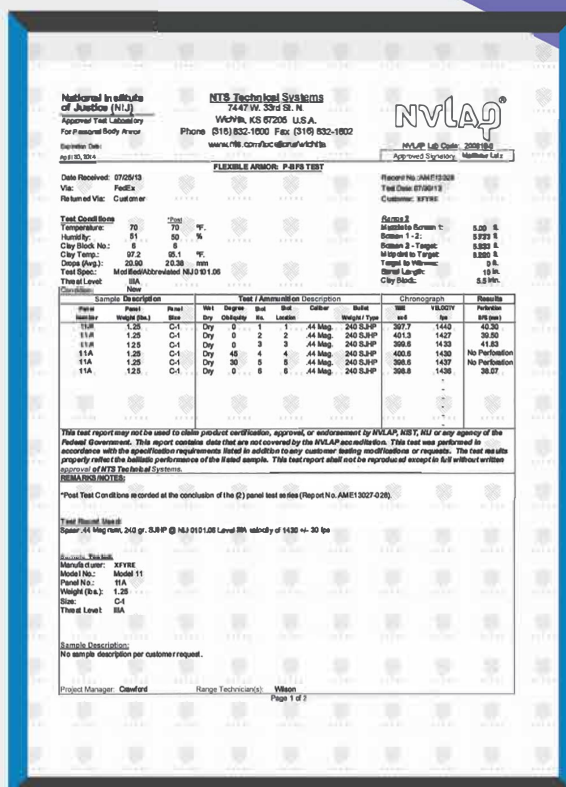

Tiller INTERNATIONAL CAPITAL
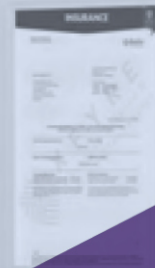
ARMORING
CERTIFICATION

Tiller INTERNATIONAL CAPITAL

We are already
CERTIFIED
according to the following standards:

NATIONAL INSTITUTE OF JUSTICE (NIJ)

UK HOME OFFICE BODY ARMOR

▶ **INSURANCE**

Home Office

CONFIRMATION OF COMPLIANCE TO
HOSDB BODY ARMOUR STANDARDS FOR UK POLICE 2007 - MQT2 REQUIREMENTS
(PUBLICATION NUMBER 39/11)

ISSUED TO:

XFYRE (M) Sdn. Bhd.

No. 79A, SS21/37, Damansara Utama, 47400 P.J., Selangor, Malaysia

Manufactured solely by: XFYRE (M) Sdn. Bhd.
(Commercial Mills, Oldham Road, Ripponden HX6 4EH)

Model: XFYRE-CNT

Protection Level: KR1

Areal Density: 5.68kg/m^2

Original Test Reference: BAME/172/FEB/13

MQT2 Test References: BAME/212/MAC/15

Available as: Male/Female; Two piece

THIS COMPLIANCE DOCUMENT IS VALID FOR:

5000 ARMOURS* OR UNTIL 23/06/2019

(WHICHEVER IS SOONEST)

This compliance document is issued on the basis that the requirements of publication 39/11 Part 1 Section 12 are adhered to.

Home Office

CONFIRMATION OF COMPLIANCE TO
HOSDB BODY ARMOUR STANDARDS FOR UK POLICE 2007 - MQT2 REQUIREMENTS
(PUBLICATION NUMBER 39/09)

ISSUED TO:

XFYRE (M) Sdn. Bhd.

No. 79A, SS21/37, Damansara Utama, 47400 P.J., Selangor, Malaysia

Manufactured solely by: XFYRE (M) Sdn. Bhd.
(Commercial Mills, Oldham Road, Ripponden HX6 4EH)

Model: XFYRE-CNT

Protection Level: KR2

Areal Density: 5.68kg/m^2

Original Test Reference: BAME/172/JAN/16

MQT2 Test References: BAME/212/FEB/17

Available as: Male/Female; Two piece

THIS COMPLIANCE DOCUMENT IS VALID FOR:

5000 ARMOURS* OR UNTIL 28/05/2019

(WHICHEVER IS SOONEST)

This compliance document is issued on the basis that the requirements of publication 39/09 Part 1 Section 12 are adhered to.

Tiller INTERNATIONAL CAPITAL

STRIDE

STRIDE
MINISTRY OF DEFENSE MALAYSIA
(SOFT PANEL-BODY ARMOR)

CERTIFICATIONS

RESTRICTED

TEST REPORT

REPORT NO: STRIDE/TP/14-09

INSTITUT PENYELIDIKAN SAINS DAN TEKNOLOGI PERTAHANAN
BAHAGIAN TEKNOLOGI PERSENJATAAN
KEMENTERIAN PERTAHANAN
48100 BATU ARANG, SELANGOR, MALAYSIA
TEL.: 603-80352121   FAX: 603-80352134

STRIDE

Job No: 8A/14-11   Date of Issue: 31 March 2014   Page 1 of 3

Authority/Reference For Test:
XFYRE/STRIDE/TP-01/03/2014 dated 12 Mar 2014

Client's Details:
Name :   XFYRE (M) Sdn. Bhd
Address : A-5-10 Empire Tower
          SS15/1, Subang Jaya
          47500 Selangor, Malaysia

Attn :   Mr. Syahrirul Bin Daud

Tel No : 03-5033 1782 Fax No: 03-5033 1783

Manufacturer:
XFYRE CROSSFIRE

Test Location:
600m Covered Ballistic Range
Weapon Technology Division,
48100, Batu Arang,
Selangor. D.E

Environmental Conditions During Test:
Room Temperature : 32°C
Relative Humidity : 55%

Date Received : Mar 25, 2014
(Test Sample)
Date of Test : Mar 25, 2014

Testers:
Mohd Firdaus Bin Md Rais (Test coordinator)
Azimi Bin Abdullah (Velocity Chronograph)
Ahmad Rashidi bin Abu Bakar (Ammo Loader)
Rosnezri Yahya (Gunner 2)
Mastizah bt Saruji (Data Recorder)

Item Type: Soft Armor Panel
Nature of Test : Ballistic Resistance Testing

Test Sample's Details :
Description : Soft Armor Panel
Quantity: 1 sample
Identification: Refer to test results

a. NIJ Standard-0101.04 - Resistance of Body
    Armor – Type IIIA

Measuring /Test Equipment & Materials :-
Portable Velocity Chronograph
Vernier Caliper, 300mm (MITOTUYO)
Meteorological Set (NOVA LYNX)
Roma Plastilina #1 Wooden Block
2m Drop Tube c/w 1.04 kg sphere ball
Adjustable Mounting Frame
Test Weapon: 9mm Test Panel PROTOTYPA

Ammunition:
9mm x 19 FMJ RN
(Lot 198 SME 9-10)

Approved for Issue:

HJ MD ZAINI BIN ZAINAL
Director
Weapons Technology Division
STRIDE

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FORM NO: FM FP(P) WTD 13-1   18 DEC 03

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TEST REPORT

REPORT NO: STRIDE/TP/14-09

INSTITUT PENYELIDIKAN SAINS DAN TEKNOLOGI PERTAHANAN
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48100 BATU ARANG, SELANGOR, MALAYSIA
TEL.: 603-80352121   FAX: 603-80352134

STRIDE

Job No: 8A/14-11

Caliber/Item Type: Soft Armor Panel   Page 2 of 3

1.0 BALLISTIC   TEST RESULTS

BALLISTIC RESISTANCE TEST OF PERSONAL BODY ARMOR PANEL

Test Sample		Test Set Up	
Test Sample:	Soft Armor Panel	1st Velocity Instrument:	0 m
Panel ID/Model:	XFYRE IIIA CNT	2nd Velocity Instrument:	4. 15 m
Material:	Rynohide	Target Distance:	5 metres
Size:	40 x 40 cm	Shooting Angle:	0° Obliquity
Classification:	NIJ Standard Type IIIA	Roma Plastilina Drop:	Average: 18.5
Weight:	1.1kg		

Ammunition		Test Weapon	
Calibre:	9mm x 19	Weapon:	9mm Test Barrel
Lot No.	198 SME 9-10	Barrel Nr:	1782
Type of Projectile:	FMJ RN	Gunner:	Rosnezri bin Yahya
Mass of Projectile:	8.0 g (124 gr)	Environmental Condition	
Date Tested:	25 March 2014	Ambient Temp.:	31°C
Time Tested:	1035 hrs-1600 hrs	Rel ve Humidity:	56%

Test Requirement: - Protection against 9mm x 19 FMJ RN bullets with nominal masses of 8.0g (124gr) impacting at a velocity of 436 m/s ± 9 m/s

Acceptance Criteria: - No Penetration Allowed and Maximum BFS Depth : ≤44mm

Shot No.	Velocity @ V_Atten (m/s)	Velocity @ V_Ten (m/s)	Average Velocity (m/s)	Average Energy (joule)	Penetration (CP)	Penetration (PP)	BFS Trauma (mm)	Stopped at layer (ply)	Angle of Incidence (deg)
1	445		445	792	–	PP	23.7		0°
2	436		436	760	–	PP	23.0		0°
3	431		431	743	–	PP	21.6		0°
4	431		431	743	–	PP	17.1		30°
5	437		437	764	–	PP	17.6		45°
6	438		438	767	–	PP	21.1		0°

Sample provided fulfill and comply under NIJ 0101.04 Standard and protect against 9mm x 19 FMJ RN Ammunition under Level IIIA of threats.

Prepared by:
MOHD FIRDAUS BIN MD RAIS

Verified by:
MOHD FAOZY BIN MOHD NOR

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FORM NO: FM FP(P) WTD 13-1   18 DEC 03

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TEST REPORT

REPORT NO: STRIDE/TP/14-09

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STRIDE

Caliber/Item Type: Soft Armor Panel   Page 3 of 3

2.0   SUMMARY OF TEST

2.1 The ballistic resistance test has been satisfactorily and successfully conducted in accordance to client's specified requirements.

2.2 The ballistic resistance test was conducted to determine the ballistic resistance of the soft armor panels when subjected to 9mm FMJ RN ammunition. The nominal mass of the bullet are 8.0g (124gr) and impact at velocity of 427 m/s to 445 m/s as reference to Type IIIA of threat level for NIJ Standard 0101.04.

2.3 The environmental conditions during testing were recorded specifically temperature and relative humidity using the meteorological set.

2.4 The test samples were weighed, measured and recorded, prior to testing.

2.5 This test report refers only to the above samples submitted for testing.

Approved Signatory:

RAYNEE RAMLIZA BT RAYBAYI
Research Officer Q48
Head Of Ballistic Branch
Weapons Technology Division
STRIDE

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FORM NO: FM FP(P) WTD 13-1   18 DEC 03

Tiller INTERNATIONAL CAPITAL

STRIDE
MINISTRY OF DEFENSE MALAYSIA
(SOFT PANEL-BODY ARMOR)

CERTIFICATIONS

Tiller INTERNATIONAL CAPITAL

RESTRICTED
TEST REPORT

REPORT NO: STRIDE/TP/16-01

INSTITUT PENYELIDIKAN SAINS DAN TEKNOLOGI PERTAHANAN
BAHAGIAN TEKNOLOGI PERSENJATAAN
KEMENTERIAN PERTAHANAN
48100 BATU ARANG, SELANGOR MALAYSIA
TEL: 603-60352121   FAX: 603-60352134

STRIDE

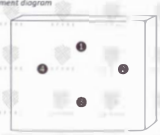| Job No: 8A/16-01 | Caliber/Item Type: | Bullet Resistant Glass | Page 4 of 7 |

TEST RESULTS

3.2   Classification Type II (NIJ Standard 0108.01)

Test Sample	Set-Up
Test Sample Code:	Velocity 1 (Chronograph): 1 Meter from target
Material: 7 Layer Silica CNT + 3 Layer Resin	Velocity 2 (EDH Radar): 0.2 m from Muzzle
Size: 49cm x 49 cm	Target Distance: 5m
Weight of Panel: 9.385 Kg	Shooting Angle: 0° Obliquity
Average Thickness: 20.42 mm	Witness Plate: Paper placed at 15 cm from target (back)
Classification: NIJ Standard: 0108.01, Type II	Test Coordinator: Azimi Abdullah

Ammunition	Test Weapon
Calibre: 9mm x 19	Weapon: 9mm Test Barrel (Prototype)
Type of Projectile: FMJ RN	Barrel Nr.: 1782
Mass of Projectile: 8.0 g (124 gr)	Length: 203.3 mm
Lot No: 13 SME 7-13	Gunner: Rosnazri bin Yahya
Ammo issued by: Ahmad Rashidi Abu Bakar	

Shot No	Velocity 1 @ 4 meter (m/s)	Velocity 2 @ 4 meter (m/s)	Energy @ 4 meter (J)	Penetration (PP/CP)	Witness Sheet Perforated (No/Yes)	Observations
1		367	539	PP	No	Glass Spalling towards firer at least 5 m distance
2	359	359	516	PP	No	Glass Spalling towards firer at least 5 m distance
3	361	367		PP	No	Glass Spalling towards firer at least 5 m distance
4	362	357		PP	No	Glass Spalling towards firer at least 5 m distance
*5	379	381		PP	No	Glass Spalling towards firer at least 5 m distance
	368	366				
σ	6.56	8.45				

* Shot No 5: Velocity over the limit – pass the test
Meet the requirement represent common threat ammunition

PP – Partial Penetration (Hold/Stop)   CP – Complete Penetration

---

RESTRICTED
TEST REPORT

REPORT NO: STRIDE/TP/16-01

INSTITUT PENYELIDIKAN SAINS DAN TEKNOLOGI PERTAHANAN
BAHAGIAN TEKNOLOGI PERSENJATAAN
KEMENTERIAN PERTAHANAN
48100 BATU ARANG, SELANGOR MALAYSIA
TEL: 603-60352121   FAX: 603-60352134

STRIDE

| Job No: 8A/16-01 | Caliber/Item Type: | Bullet Resistant Glass | Page 5 of 7 |

TEST RESULTS

2.3   Classification Type IIIA (NIJ Standard 0108.01)

Test Sample	Set-Up
Test Sample Code:	Velocity 1 (Chronograph): 1 Meter from target
Material: 7 Layer Silica CNT + 3 Layer Resin	Velocity 2 (EDH Radar): 0.2 m from Muzzle
Size: 49cm x 49 cm	Target Distance: 5m
Weight of Panel: 9.550 Kg	Shooting Angle: 0° Obliquity
Average Thickness: 20.60 mm	Witness Plate: Paper placed at 15 cm from target (back)
Classification: NIJ Standard: 0108.01, Type IIIA	Test Coordinator: Azimi Abdullah

Ammunition	Test Weapon
Calibre: 9mm x 19	Weapon: 9mm Test Barrel (Prototype)
Type of Projectile: FMJ RN	Barrel Nr.: 1782
Mass of Projectile: 8.0g (124 gr)	Length: 203.3 mm
Lot No: 198 SME 9-10	Gunner: Rosnazri bin Yahya
Ammo issued by: Ahmad Rashidi Abu Bakar	

Shot No.	Velocity 1 (m/s)	Velocity 2 (m/s)	Energy @ 4 meter (J)	Penetration (PP/CP)	Witness Sheet Perforated (No/Yes)	Observations
*1	444	442	781	PP	No	Glass Spalling towards firer at least 5 m distance
2	442	440	774	PP	No	Glass Spalling towards firer at least 5 m distance
3	435	435	757	PP	No	Glass Spalling towards firer at least 5 m distance
4	437	438	767	PP	No	Glass Spalling towards firer at least 5 m distance
5	437	436	760	PP	No	Glass Spalling towards firer at least 5 m distance
	439	438	768			
σ	3.41	2.56	8.98			

* Shot No 1: Velocity over the limit – pass the test
Meet the requirement represent common threat ammunition

PP – Partial Penetration (Hold/Stop):   CP – Complete Penetration

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RESTRICTED
TEST REPORT

REPORT NO: STRIDE/TP/16-01

INSTITUT PENYELIDIKAN SAINS DAN TEKNOLOGI PERTAHANAN
BAHAGIAN TEKNOLOGI PERSENJATAAN
KEMENTERIAN PERTAHANAN
48100 BATU ARANG, SELANGOR MALAYSIA
TEL: 603-60352121   FAX: 603-60352134

STRIDE

| Job No: 8A/16-01 | | | Page 6 of 7 |

TEST RESULTS

3.0   Photo of impact on the glass

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STRIDE

| Job No: 8A/16-01 | Caliber/Item Type: | Bullet Resistant Glass | Page 7 of 7 |

TEST RESULTS

4.0 SUMMARY OF TEST

4.1 The ballistics resistance test has been successfully and satisfactorily conducted on Bullet Resistant Glass Test panel in accordance to client's specified requirements.

4.2 The ballistic test was conducted to determine the ballistic resistance performance of the Bullet Resistant Glass test panel compliance to specify requirements and the testing are summarised as follow:

4.2.1 Ballistic Penetration Test (NIJ Standard 0108.01)
This reference test NIJ standard 0108.01 was used for the reference when shooting the test panel to confirm the resistant protective materials by the level of performance as follows:

4.2.1.1 Classification Type IIA (Lower Velocity 9 mm)
This material protects against test bullets 9 mm full metal jacketed (FMJ) with nominal mass of 7.45 g (115 gr) and measured velocities of 332 + 12 meter per second.

4.2.1.2 Classification Type II (Higher Velocity 9 mm)
This material protects against test bullets 9 mm full metal jacketed (FMJ), with nominal mass of 8.0 g (124 gr) and measured velocities of 358 + 12 meter per second as well threats mention in section 4.2.1.1

4.2.1.3 Classification Type IIIA (Submachine Gun 9 mm)
This material protects against test bullets 9 mm full metal jacketed (FMJ), with nominal mass of 8.0 g (124 gr) and measured velocities of 426 + 15 meter per second as well threats mention in section 4.2.1.1 and 4.2.1.2

4.3 The both EDH Radar and portable chronograph was used to measure the projectile striking velocity and muzzle velocity from the test gun. The environmental conditions during test firing were recorded for all period of firing specifically temperature and relative humidity using the meteorological set.

4.4 This test report refers only to the above test sample submitted for testing.

Approved Signatory,

RAYNEE RAMLIZA RAYBAYI
Head of Ballistic Section

RESTRICTED

Tiller INTERNATIONAL CAPITAL

BESCHUSSAMT MELLRICHSTATD, GERMANY

BTTG FIRE TECHNOLOGY SERVICES

Tiller INTERNATIONAL CAPITAL

Certifications

STRIDE
MINISTRY OF DEFENSE MALAYSIA

(SOFT PANEL-BODY ARMOR)

CERTIFICATIONS

INSTITUT PENYELIDIKAN SAINS DAN TEKNOLOGI PERTAHANAN
SCIENCE AND TECHNOLOGY RESEARCH INSTITUTE FOR DEFENCE
KEMENTERIAN PERTAHANAN MALAYSIA
KOMPLEKS INDUK STRIDE
TAMAN BUKIT MEWAH FASA 9
43000 KAJANG SELANGOR

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STRIDE BT ARANG
Tel : 03-60362121
Fax: 03 60362134

Ruj Tuan :
Ruj Kami: STRIDE/TP/ 2020-40
Tarikh : 09 Disember 2020

XFYRE (M) SDN BHD
No. 26 Jalan Sungai Jeluh 32/192,
Kawasan Perindutrian Kemuning,
Seksyen 32, 42460
Shah Alam, Selangor Darul Ehsan

u.p. En.Khamil Ismail

Tuan,

LAPORAN KEPUTUSAN UJIAN BALISTIK NIJ III TERHADAP BAJU KALIS PELURU BERPANDUKAN STANDARD INUSTRI BALISTIK ANTARABANGSA.

A. XFYRE/STRIDE/2020/2 bth, 24 November 2020.

Dengan segala hormatnya perkara di atas adalah dirujuk.

2. Permohonan ujian balistik terhadap baju kalis peluru telah dijalankan di Lapang sasar 600m Tertutup STRIDE Bt.Arang pada 08hb Disember 2020. Satu (1) jenis ujian untuk 1 unit sampel Hard Armor Panel (HAP) yang diterima telah diuji mengikut spesifikasi NIJ Std 0101.04 Ballistic Resistance of Personal Body Armor.

3. Bersama-sama dengan ini disertakan laporan no. STRIDE/TP/2020-40 bertarikh 09 Disember 2020 untuk tindakan tuan selanjutnya.

Sekian, terima kasih.

"BERKHIDMAT UNTUK NEGARA"
"PERTAHANAN NEGARA TANGGUNGJAWAB BERSAMA"

Saya yang menjalankan amanah,

(MOHD FAUDZI BIN MUHAMMAD)
Pegawai Penyelidik Kanan
Ketua Cawangan Balistik
Bahagian Teknologi Persenjataan
STRIDE.

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TEST REPORT
REPORT NO: STRIDE/TP/2020-40

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BAHAGIAN TEKNOLOGI PERSENJATAAN
KEMENTERIAN PERTAHANAN
48100 BATU ARANG, SELANGOR, MALAYSIA
TEL: 603-60362121   FAX: 603-60352134

| Job No: BA/2020-46 | Date of Issue: 09 December 2020 | Page 1 of 2 |

Authority/Reference For Test:
XFYRE/STRIDE/2020/2, dated 24 November 2020

Client's Details :

Name : KHAMIL BIN ISMAIL
CEO

Address:
XFYRE (M) SDN BHD
No. 26 Jalan Sungai Jeluh 32/192,
Kawasan Perindutrian Kemuning,
Seksyen 32,
42460 Shah Alam, Selangor Darul Ehsan.

Test Facility Details:

Test Location:
600m Covered Ballistic Range
Weapons Technology Division,
48100, Batu Arang,
Selangor. D.E.

Test Weapon:
Universal Test Gun System

Test Barrel:
1. 7.62 mm Test Barrel

Ammunition:
1. 7.62 mm x 52 Case

Test Sample 's Details :
Item: Personal Body Armor
Type: Hard Armor Panel (HAP)
Sample Quantity: 1 unit
Sample Identification: Refer Test Result

Test Details:
Nature of Test: Performance Test
Test Standard Referred:
1. NIJ STD 0101.04, Ballistic Resistance of Personal Body Armor.
2. Ballistic Range Test Safety & Regulation

Measuring /Test Equipment & Materials:
1. Digital Industrial Scale FG 60Kg
2. Stab Test and Measurement System 2020 (STAMS)
3. Digital Meteorological Data Logger (Rotronic)
4. Thermometer (Perfect Prime)
5. Portable Projectile Velocity Measurement System PPVMS (InPi)
6. Vernier Caliper (Mitutoyo)
7. Thickness Gauge (Interapid)

Approved for Issue

AB SUJDDI BIN ZAKARIA
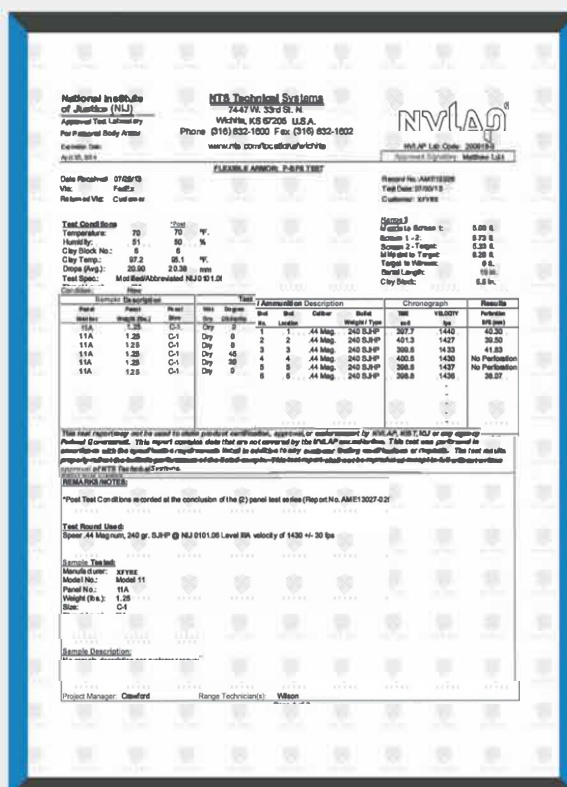Director
Weapon Technology Division
STRIDE

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TEL: 603-60362121   FAX: 603-60352134

| Job No: BA/2020-46 | Item Type: Body Armor | Page 2 of 2 |

TEST RESULT

1. Threat Level Protection – Level III

CLIENT DETAIL
XFYRE (M) SDN BHD
No. 26 Jalan Sungai Jeluh 32/192,
Kawasan Perindutrian Kemuning,
Seksyen 32,
42460 Shah Alam, Selangor Darul Ehsan

Date Received:	30.11 2020
Via:	Hand
Test Tested:	08.12. 2020
Received:	TBD

TEST CONDITION
Temperature:	38 °C
Relative Humidity:	62.5%
Conditioning:	Dry

ARMOR DETAIL
Type:	HAP
Threat Level HAP:	NIJ Level 0101.06 III
Size:	10x12 Shooters Cut
Serial No:	XFYRE-R-200044010535
Dimension:	HAP 305 mm (L) x 256 mm (W)
Date of Delivery:	NOV 2020
Manufacture:	UTAH, US
Manufacturing Date:	SEP 2020
Model:	XFYRE-PSURF55C
Warranty Period:	15 Years
Weight:	HAP: 1.35 kg
Thickness (Avg):	HAP: 24.70 mm

BALLISTIC THREAT
Specification:	NIJ Standard 0101.04
Protection Level:	Level III
Obliquity:	0°
Calibre:	7.62 mm x 51
Projectile Type:	BALL M80
Projectile Weight:	9.6 g (148 gr)
Lot No.:	11 Aug 5 81
Weapon Type:	Universal Test Gun
Barrel Length:	560mm
Barrel Serial No.:	1800

ANNEX
Shot Distance:	15 m
Muzzle to Target:	15 m
No. of Screen:	1
Screen Spacing:	0.5 m
Midpoint to Targets:	3 m
	PPVMS

BACKING MATERIAL
Type:	Roma Plastilina No. 1
Temperature:	44 °C - 45 °C
Penetration Avg:	17 mm

TEST PERSONNEL
Test Coordinator:	Mohd Faudzi
Setup:	Nasaruh
Gunner:	Ahmad Redzuan
Data Recorder:	Nor Madiyana

Shot No.	Velocity (m/s)	Notes	Panel Penetration	Back Face Signature (BFS) (mm)	Result/Remarks
1	840		Nil	41.77	
2	850	a, f	Nil	33.40	
3	860		Nil	25.15	PASSED
4	849	a, f	Nil	41.73	
5	840	f	Nil	32.17	
6	840		Nil	39.40	

Parameters:
a. Excessive velocity
b. Insufficient velocity
c. 7 Torque to striker impact
d. Too close to edge
e. Stop in hard armor
f. Stop in soft armor
g. Complete penetration

Remarks:
1. Maximum Back Face Signature allowed is 44 mm
2. Required Test Velocity Range NIJ Std 0101.04:
   - Minimum : 827 m/s
   - Maximum : 847 m/s

Approved Signatory:

MOHD FAUDZI BIN MUHAMMAD
Head of Ballistic Section
Weapon Technology Division,
STRIDE

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