



NEWS RELEASE

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Fact Sheet: Networking the 3rd Generation Infantry

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The introduction of the Terrex Infantry Carrier Vehicle (ICV) marks a significant milestone in the 3rd Generation Army's transformation efforts as it enhances the Army's fighting and networking capabilities. The Terrex ICV provides infantry forces with enhanced protection, mobility and firepower, and also networks soldiers and air and land weapon platforms, thus facilitating the delivery of information, and fires in the battlefield.

The key features of the Terrex ICV are:

Enhanced Networking Capabilities

The Terrex ICV is equipped with the Battlefield Management System (BMS) which allows it to connect with other air and land platforms, such as infantry fighting vehicles, main battle tanks, artillery, attack helicopters and fighter aircraft, as well as soldiers equipped with the Advanced Combat Man System (ACMS). With enhanced situational awareness and transmission of key battlefield information provided by the BMS, soldiers can call for support from air and land forces to execute manoeuvres and deliver precision fires on enemy targets.

Enhanced Protection

The Terrex ICV provides enhanced protection for infantry forces. It is designed with a modular protection system, which can be fortified with an add-on armour protection suite to provide all-round protection against conventional threats. The Terrex ICV is also designed to withstand mine blasts.

Enhanced Firepower and Enemy Weapon Detection

The Terrex ICV is equipped with a fully stabilised Remote Controlled Weapon System (RCWS) that is capable of providing direct precision fires to support infantry forces. The Terrex ICV also has a weapon detection system (WDS) which detects and locates enemy fire. The data collected by the WDS on the origin of the enemy fire is shared with other friendly forces via the BMS network to facilitate the engagement of enemy troops.

Enhanced Mobility

The Terrex ICV has an independent suspension system and large off-road tyres which

enhance mobility over various types of terrain.

The SAF will begin training all active infantry and guards battalions on the Terrex ICV from February next year.

Technical Data	
Gross Vehicle Weight	24,000 kilograms
Maximum Gross Weight	26,000 kilograms
Unladen Weight	16,800 kilograms
Dimensions (L x W x H)	7.78 m x 2.97m x 2.46m
Capacity	13 (Driver + Commander + 11 troopers)
Payload Capacity	7,200 kilograms
Performance Specifications	
Maximum Road Speed	105 km/hr
Acceleration (0-50km/hr)	13.5 seconds
Speed in reverse	14.5km/hr
Forward Slope	60 %
Side Slope	40 %
Vertical Step	0.6 m
Fording Depth	1.8m
Trench Crossing	2 m
Turning Radius	8.5 m
Range	300 km /600 km
Armament	
Main	Remote Control Weapon System
Weapon Configuration 1	7.62 GPMG + 40 mm AGL
Weapon Configuration 2	0.5” Heavy Machine Gun
Secondary Weapon	Up to 2 x Rear GPMG
Sight	Optical/ Thermal Imaging/ Eye-safe laser range finder

Related Resources:

- DPM Teo Visits Army Open House 2009 (MINDEF_20090905001.pdf)