SECTION 6
EQUIPMENT RECOGNITION
BRDM-2

Type: 4 wheeled drive, armored, amphibious vehicle
Variants: command, reconnaissance, chemical reconnaissance (filtration/overpressure system, rear marking flag dispenser), antitank (AT-2/3/5), surface-to-air-missile (SA-9) Armament: 14.5mm, 7.62mm machineguns
Crew: 2 Troops: 6 Hull thickness: 10-14mm Road range: 750 km Max speed water: 10 km/hr Max speed paved road: 100 km/hr Fording: amphibious Verticle obstacle: .4m Trench: 1.25m Other: IR lights driver/commander, rear engine, central troop compartment
BMP-1 (KORSHUN)

Type: amphibious, armored, tracked infantry combat vehicle  
Variants: command, reconnaissance (BRM/BRM-1), Type WZ-501 (Chinese version, carries 4 Red Arrow AT missiles)  
Armament: 73mm smooth bore main gun with 3 km max range, 7.62mm machinegun, AT-3  
Crew: 3  
Passengers: 8  
Hull thickness: 5-19mm, turret 23mm  
Road range: 500 km  
Max speed water: 6-8 km/hr  
Max speed paved road: 80 km/hr  
Fording: amphibious  
Vertical obstacle: .8m  
Trench: 2.2m  
Other: overpressurized for NBC protection, smoke laying capability, IR searchlight, 4 firing ports each side and 1 rear
Type: amphibious armored personnel carrier  
Variants: BTR-60PA (overhead armor/NBC protection), BTR-60PB (14.5mm and 7.62mm machineguns), BTR-60PU (command)  
Armament: 7.62mm machinegun (some with 12.7mm machinegun)  
Crew: 3  
Passengers: 11  
Hull thickness: 9-14mm  
Road range: 500 km  
Max speed water: 9-10 km/hr (P model/water jet propulsion)  
Max speed paved road: 80 km/hr  
Fording: amphibious  
Verticle obstacle: .4m  
Trench: 2m  
Climb slope: 30 degrees  
Other: 
DPRK has mostly PA and PB models, searchlight and IR equipment, vulnerable to small arms fire/fuel will ignite easily when fuel tanks punctured, 3 firing ports each side
BTR-152

Type: wheeled armored personnel carrier  
Variants: command, twin 14.5mm machinegun for anti-air, twin 23mm cannon version has been seen  
Armament: 7.62mm machinegun  
Crew: 2  
Passengers: 17-18  
Hull thickness: 6-14mm  
Road range: 650 km  
Max speed paved road: 65 km/hr  
Fording: .8m  
Verticle obstacle: .6m  
Trench: .7m  
Climb slope: 30 degrees  
Other: both 4 and 6 wheeled drive, the V3 model has IR light, K model has overhead cover
**BTR-40**

**Type:** 4 wheeled drive command and reconnaissance vehicle  
**Variants:** K model has armored roof  
**Armament:** 7.62mm machinegun, some may carry 14.5mm AA machinegun instead  
**Crew:** 2  
**Troops:** 8-9  
**Hull thickness:** 8-13mm  
**Road range:** 285 km  
**Max speed paved road:** 80 km/hr  
**Fording:** .9m  
**Vertical obstacle:** .47m  
**Trench:** .7m  
**Climb slope:** 30 degrees  
**Other:** built on GAZ-63 chassis, sloping front, flat rear, open roof
**MT-LB**

**Type:** amphibious, armored tracked vehicle  
**Variants:** command, technical support, engineer  
**Armament:** 7.62mm machinegun  
**Crew:** 2+, varies with mission  
**Troops:** 10  
**Hull thickness:** 7-14mm  
**Road range:** 600 km  
**Max speed water:** 6 km/hr  
**Max speed paved road:** 80 km/hr  
**Fording:** amphibious  
**Vertical obstacle:** .7m  
**Trench:** 2.7m  
**Climb slope:** 30 degrees  
**Other:** IR searchlight, NBC filtration system, vulnerable to armor piercing ammunition, prime mover for artillery and as cargo or general transport vehicle
MODEL 531A

Type: Chinese, amphibious, armored personnel carrier  
Armament: 12.7mm machinegun  
Crew: 4  
Troops: 10  
Hull thickness: 12mm  
Road range: 400-425 km  
Max speed water: 7 km/hr  
Max speed paved road: 50 km/hr  
Fording: amphibious  
Vertical obstacle: .6m  
Trench: 2 m  
Climb slope: 32 degrees  
Other: one firing port each side, no vision blocks, no night vision or NBC equipment

Equipment Recognition 6-8
VTT-323 (M-1973)

Type: The VTT 323 APC is based on the earlier Chinese YW531. The vehicle features a welded steel, box-like hull with a small turret positioned just to the rear of the hull centerline. Armament: twin 14.5mm hvy MG, AT-3 ATGM Hull Thickness: 24mm Crew: 2 Troops: 13 Road range: 450 km Max speed water: 10kph Max speed paved road: 80 km/hr Fording: amphibious Vertical obstacle: .6m Trench: 2.2m Climb slope: 34 degrees Other: May also carry SA-7 SAM
TYPE 85 ATGM CARRIER

Type: AGTM carrier  Armament: AT-3, 14.5mm machinegun  Crew: 4  Road range: 500 km  Max speed paved road: 65 km/hr  Speed water: 7 kph  Climb slope: 32 degrees  Vertical obstacle: .6 m  Trench: 2.2m

Equipment Recognition 6-10
BTR-50

Type: amphibious, armored personnel carrier

Variants: BTR-50P (open top), BTR-50PK (armored roof), BTR-50PU (command vehicle)

Armament: 12.7mm machinegun

Crew: 2 Troops: 14 Hull thickness: 10mm Road range: 240 km Max speed water: 11 km/hr Max speed paved road: 45 km/hr Fording: amphibious Vertical obstacle: 1.1m Trench: 2.8m Climb slope: 38 degrees

Other: vulnerable to small arms fire, no NBC capabilities
Type: Amphibious tank  
Armament: 76mm main gun  
Max range: 12 km  
Max effective range: 650 m  
Rate of fire: 6-8 rds/min  
Stabilization: some models  
Ammunition: HE-FRAG, HEAT, HVAP-T, AP-T  
Armor penetration at 1,000m: 32mm (HVAP-T), 60mm (AP-T), 120mm (HEAT, any range)  
Basic load: 40 rds  
Hull thickness: 25mm  
Road range: 260 km (450 with tanks)  
Max fording: amphibious  
Vertical obstacle: 1.1m  
Trench: 2.8m  
Max speed water: 10 km/hr  
Max speed paved road: 44 km/hr  
Climb slope: 30 degrees  
Other: 12.7mm machinegun, no night devices, no NBC protection, main gun elevation -4 to 30 degrees
TYPE-62 LIGHT TANK

Type: Light tank  Armament: 85mm cannon, 7.62mm coax and bow MG  Basic load: 85mm - 47 rds  Max Hull Thickness: 45mm  Road Range: 500 km  Max Fording: 1.3m  Vertical obstacle: 9.7m  Trench: 2.55m  Max speed paved road: 60 kph  Climb slope: 30 degrees  Other: resembles a scaled down Type 59
TYPE-63 LIGHT AMPHIBIOUS TANK

Type: The Type-63 amphibious tank's chassis is based on the Type-77 APC and its turret on the Type-62 light tank

Armament: 85mm cannon, 12.7mm & 7.62mm MG  
Basic load: 85mm - 44 rnds  
Max Hull thickness: 23mm  
Road range: 370 km  
Max fording: amphibious  
Vertical obstacle: .87m  
Trench: 2.9m  
Max speed water: 12 km/hr  
Max speed paved road: 64 km/hr  
Climb slope: 38 degrees  
Other: Resembles a scaled down Type-59

Equipment Recognition
PT-85 (TYPE-82?)

Type: North Korean produced amphibious tank, based on the VTT-323 APC chassis. Armament: 85mm main gun, AT-3 Hull thickness: 30mm Road range: 500km Max fording: amphibious Vertical obstacle: .87m Trench: 2.9m Max water speed: 10kph Max speed paved road: 60kph Climb slope: 38 degrees Other: possible Chinese Jian-73 AT launcher instead of AT-3, turret similar to PT-76 with several modifications
Type: WWII vintage medium tank  
Armament: 85mm main gun  
Max range: 15,560m  
Max effective range: 900m  
Rate of fire: 3-4 rds/min  
Stabilization: no

Ammunition: HE-T, HEAT, HVAP-T, AP-T, APC-T

Armor penetration at 1,000m: 155mm (HVAP-T), 120mm (AP-T), 300mm (HEAT, any range)  
Basic load: 56 rds

Hull thickness: 45mm  
Turret Frontal Thickness: 75mm

Road range: 300 km  
Max fording: 1.3m (5.5m with snorkel)  
Vertical obstacle: .73m  
Trench: 2.3m  
Max speed paved road: 55 km/hr  
Climb slope: 37 degrees

Other: 4 man crew, 7.62 machinegun, main gun elevation -5 to 25 degrees
Type: medium tank  
Armament: 100mm rifle-bored main gun  
Max range: 16,800m  
Max effective range: 1,500m  
Rate of fire: 3 rds/min  
Stabilization: yes  
Ammunition: HE-FRAG, HEAT, APDS, AP-T  
Armor penetration at 1,000m: 180mm (AP-T), 300mm (HEAT, any range)  
Basic load: 43 rds  
Hull thickness: 15-100mm  
Turret Frontal Thickness: 140-180mm  
Road range: 400 km (600 km with tanks)  
Max fording: 1.4m (5.5m with snorkel)  
Vertical obstacle: .8m  
Trench: 2.7m  
Max speed paved road: 48 km/hr  
Climb slope: 30 degrees  
Other: 12.7mm and 7.62mm machineguns; IR driver, gunner, and commander
Type: medium tank  Armament: 100mm main gun  Max range: 16,800m  Max effective range: 1,500m  Rate of fire: 3 rds/min  Stabilization: yes  Ammunition: HE-FRAG, HEAT, APDS AP-T, APC-T  Armor penetration at 1,000m: 180mm (AP-T and APT-T), 390mm (HEAT, any range)  Basic load: 43 rds  Hull thickness: 15-100mm  Turret Frontal Thickness: 140-180mm  Road range: 400 km (650 km with tanks)  Max fording: 1.4m (5.5m with snorkel)  Vertical obstacle: .8m  Trench: 2.7m  Max speed paved road: 50 km/hr  Climb slope: 30 degrees  Other: 12.7mm and 7.62mm machineguns, IR driver, gunner and commander

Equipment Recognition  6-18
TYPE-59

Type: medium tank  Armament: 100mm rifle-bored main gun  Max range: 16,800m  Max effective range: 1,500m  Rate of fire: 3 rds/min  Stabilization: yes  Ammunition: HE-FRAG, HEAT, APDS, AP-T  Armor penetration at 1,000m: 180mm (AP-T), 300mm (HEAT, any range)  Basic load: 43 rds  Hull thickness: 15-100mm  Turret Frontal Thickness: 140-180mm  Road range: 400 km (600 km with tanks)  Max fording: 1.4m (5.5m with snorkel)  Vertical obstacle: .8m  Trench: 2.7m  Max speed paved road: 48 km/hr  Climb slope: 30 degrees  Other: 12.7mm and 7.62mm machineguns; IR driver, gunner, and commander