

Fleet Forum Armoured Vehicle Workshop

United Nations Surface Transport Section

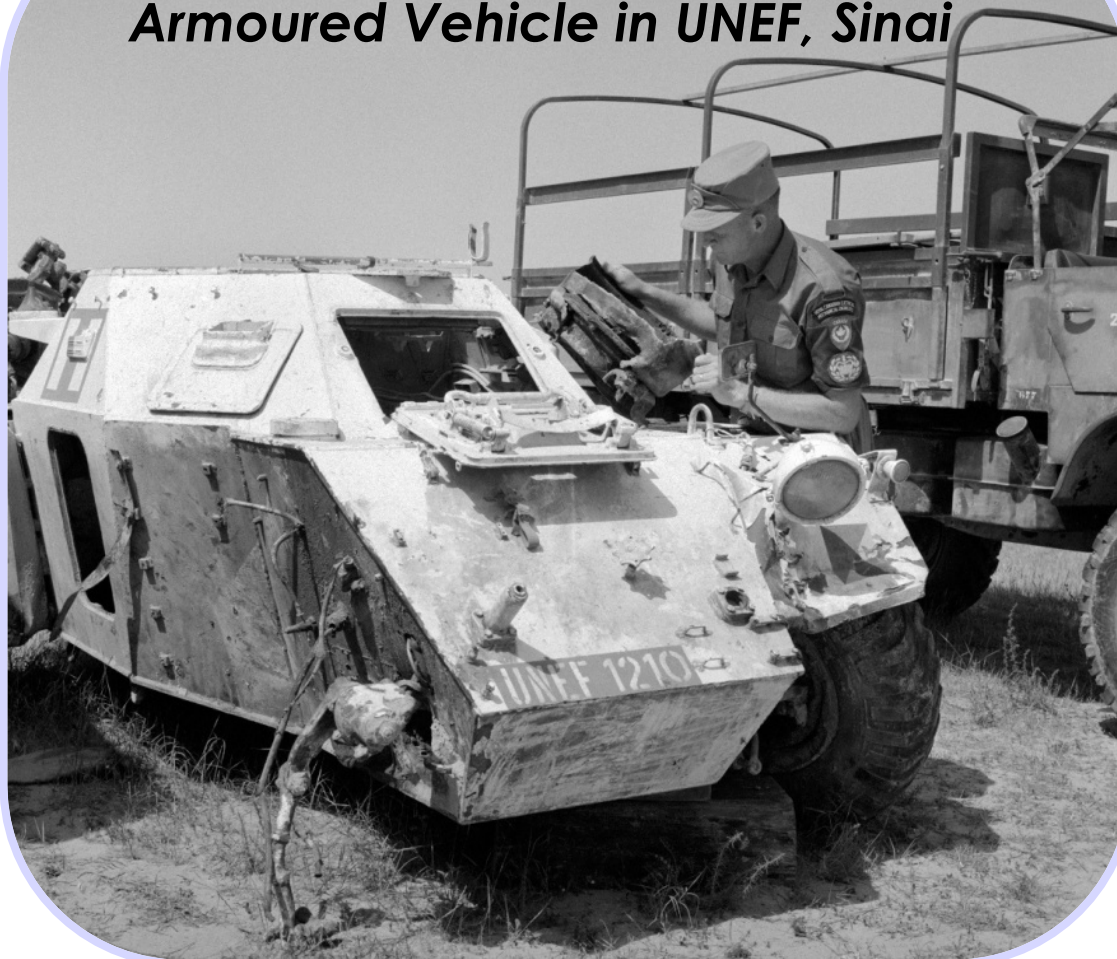
*Armoured Toyota 4x4s in Transit
Between UNIFIL, Lebanon & Syria*



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***Damaged UN Military Contingent
Armoured Vehicle in UNEF, Sinai***



United Nations
Peacekeeping
Missions Have,
Since the First
Missions, Made
Use of Military
Vehicles of UN
Member States

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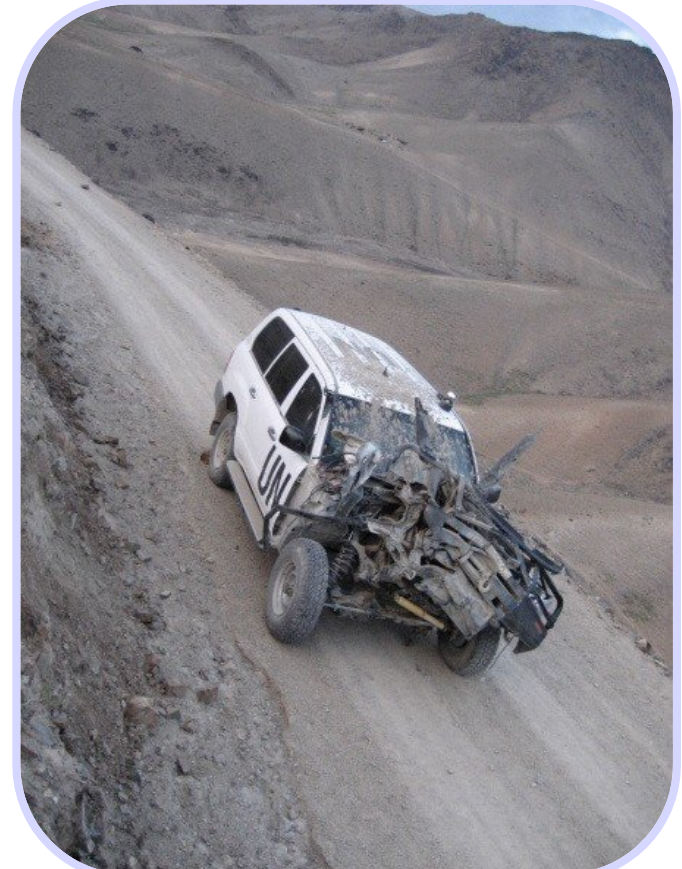
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But Most UN Peace Operations Used Relatively Few Civilian Armoured Vehicles Until Only a Few Years Ago

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Changing Threats and Threat Levels Have Pushed the UN-Owned Armoured Fleet to Grow to 1,000 + Units

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PROTECTION LEVEL TABLE

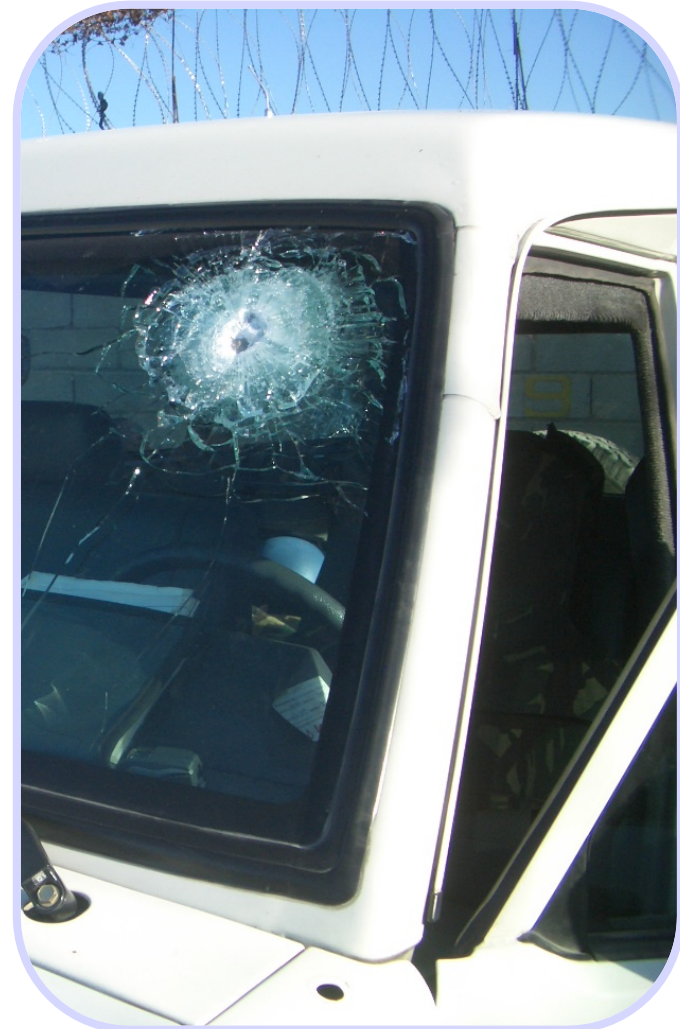
TYPE	CLASS	WEAPON / AMMUNITION	RANGE	VELOCITY	SHOTS	SPACING
LIGHT ARMoured VEHICLES	B2	9mm 	5	358m/s	3	120mm
	B3	357 Magnum 	5	430m/s	3	120mm
	B4	44 Magnum 	5	440m/s	3	120mm
FULLY ARMoured VEHICLES	B4+	AK47 Ball 7.62 x 39 	10	710m/s	3	120mm
	B5	5.56 x 45 Steel Core SS109 Round 	10	950m/s	3	120mm
	B6	7.62 x 51 Ball 	10	830m/s	3	120mm
	B6+	5.56 x 45 Lead M193 Round 	30	980m/s	3	120mm
ARMOUR PIERCING	B7	7.62 x 51 AP 	30	820m/s	3	120mm
		AK47 7.62 x 39 AP 	30	715m/s	3	120mm

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ACQUIRING ARMoured VEHICLES

- ✓ **INTERNATIONAL TENDER EXERCISES CONDUCTED ON 'BEST-VALUE' BASIS**
- ✓ **SYSTEMS CONTRACTS FOR ARMoured VEHICLE SUPPLY ESTABLISHED**
- ✓ **AFTER-SALES SUPPORT AN INTEGRAL PART OF SYSTEMS CONTRACTS**



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BENEFITS OF STANDARDISATION

- ✓ **EASY INTERMISSION TRANSFER**
- ✓ **SCALE ECONOMIES IN VEHICLE PRICES AND ANCILLARY SERVICES**
- ✓ **FAMILIARITY WITH OPERATING AND MAINTAINING**



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MAINTAINING ARMoured VEHICLES



- SPARE PARTS ARE COSTLY
- GLASS HAS A SHORT LIFE
- BRAKE WEAR CAN BE RAPID
- PARTS UNIQUE TO ARMOURER
- BODY CRACKS ARE COMMON
- SUSPENSION WEAR & TEAR
- INADEQUATE COOLING

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OPERATING ARMoured VEHICLES



- DRIVER TRAINING FOR CONVERSION
- DRIVERS LICENCE CATEGORY ISSUE
- WEIGHT GOES UP WITH ARMOURING
- WHICH STANDARD OF PROTECTION?
- LACK OF VOLUME MANUFACTURERS
- CERTIFICATION OF THE END USER
- DISPOSAL AT END OF LIFE NOT EASY

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MAJOR CHALLENGES



- **INCREASING THREAT LEVELS**
- **ARMOURING VS WEIGHT CONCERNS**
- **COST AS REQUIRED FLEET SIZES INCREASE**
- **NEW METHODS OF ARMOURING**