

### 1. Military Policy: Conversion of the MoD's Frequencies

The Ukrainian Defence Ministry agreed to convert radiofrequencies to introduce the third generation communications 3G for 841 million UAH.

**Comment:** Last July, the Defence Ministry agreed to decrease the cost of conversion from 2,5 billion UAH to 841 million UAH.

*It will be recalled that the Defence Ministry was to have received 2,5 billion UAH for conversion of its frequencies; however, the payment was to have been extended over the 2010-2014 period. Some of this money was to have been drawn from the incidental profit from licensing and some from the appropriations for ongoing programmes. The Defence Ministry was to have received 945 million UAH in 2010-2011 and 1,5 billion UAH in 2012-2013.*

*The 3G standard was developed by the International Telecommunications Union and has the code name IMT-2000 (UMTS). It enables data transfer at the speed of up to 3,6 Mb/sec. For comparison: most Ukrainian providers offer Internet access at no more than 400 Kb/sec.*

### 2. Combat Training: Joint Command-Post Exercise with the Russian Air Force

27.10.10. A bilateral command-post exercise for air defence command and control structures and forces on duty of the Ukrainian and Russian Air Forces took place.

**Comment:** The overarching aim of the exercise was to improve interoperability and coordination between air defence forces of the two neighbouring nations as they perform combat duty and cohesion between these forces in different situations.

*In the course of the preparation for the exercise, the trainees also studied procedures applied by air defence command and control and forces on duty of both countries to assisting aircraft in a force majeure situation.*

### 3. International Exercises: Corvette «Ternopil»

26.10.10. The Ukrainian Navy Corvette "Ternopil" left the port of Sevastopol as a test check.

**Comment:** The aim of the checking was to ascertain the state of the ship's equipment and accomplish elements of her directional mission, in particular, some missile and artillery combat training exercises. Besides, during the test checking, the crew of "Ternopil" conducted an anti-subversive exercise.

*The corvette "Ternopil" is currently undergoing the final phase of her preparation for participation in the antiterrorist operation "Active Endeavour".*

*The corvette is to leave the port of Sevastopol in early November and set sail for the Mediterranean where she will operate as part of the antiterrorist mission "Active Endeavour". This is the corvette's fifth operational tour in this particular mission. While patrolling their designated region of the Mediterranean, the Ukrainian seamen will conduct some practical exercises in monitoring of civilian shipping, collection information and record management on suspicious vessels, escorting and boarding of these vessels, escort of ships with valuable cargos, antimine support to civilian shipping.*

### 4. International Cooperation: A Russian Military Delegation Visiting Ukraine

25-27.10.10. A Russian military delegation arrived at the Ukrainian Air Force Command in Vinnitsa on a three-days' visit to discuss flight safety of state aircraft.

**Comment:** The aim of the visit was to hold a working meeting between experts of both countries and discuss flight safety of their respective military air forces and outline further bilateral cooperation between the Ukrainian Air Force Command and the Flight Safety Service of the Russian Armed Forces.

*In the course of the visit, the two delegations exchanges experience and information on programmes and procedures employed to ensure acceptable flight safety, provide informational support to flight safety, training of air personnel, and search-and-rescue of aircraft that met with an accident.*

### 5. International Cooperation: a UN Expert Delegation

27.10.10. A UN expert delegation came to the Lviv region with a working visit.

**Comment:** The chief aim of the visit is to analyse the possibility of attracting international investors to repair of Mi-8 and Mi-24 helicopters which could subsequently be used in UN peacekeeping missions.

*The UN experts visited an airfield and checked the operating conditions of helicopters and special equipment currently stored at the 57<sup>th</sup> Air Base for Regulations, Repair, Maintenance and Disposal of Aeronautical and Special Equipment of the Ukrainian Army Aviation.*

*The UN Secretariat manages 15 peacekeeping and 2 political (in Burundi and Afghanistan) operations in total: 7 peacekeeping missions in Africa (Chad, Côte d'Ivoire, Darfur, the Democratic Republic of Congo, Liberia, Sudan and West Sahara), a mission in the Caribbean (Haiti), two missions in Europe (Cyprus and Kosovo), three missions in the Middle East (Lebanon, the Golan Heights, a regional mission), and two missions in Asia (East Timor, India and Pakistan).*

### 6. International Cooperation: Military Technical Cooperation between Ukraine and Azerbaijan

21.10.10. A meeting of the Ukrainian-Azerbaijani Commission for Military-Technical Cooperation took place.

**Comment:** In the course of the meeting, commissioners discussed promising areas of future military-technical cooperation. One of such areas is Ukraine's repairing Azerbaijani weapons, armaments and equipment and assisting with establishing joint repair plants in Azerbaijan. This is supply, repair and renovation of anti-aircraft systems, in particular, C-125.

The short-range anti-aircraft system C-125 was adopted by the Soviet Armed Forces in 1961. It is designed to engage low-altitude manned and unmanned aerodynamic targets at the altitude of 20-18000m and at the range of 3,5-25km.

#### **7. Equipment Development: Tank BM "Bulat"**

28.10.10. The first batch of 10 BM "Bulat" tanks for the Ukrainian Armed Forces left the Malyshev Plant in Kharkiv.

**Comment:** 29 armoured fighting vehicles in total are to have been provided to the Ukrainian Armed Forces by the end of 2011. The Ukrainian Army currently has 47 BM "Bulat" tanks. The Defence Ministry plans to complete a 100% renewal of its tank fleet over the next five years.

Main specifications of BM "Bulat": crew – 3 personnel; operational weight – 45 tons; engine capacity – 850hp; road speed – 60-65kph; cruising range – up to 600km. Armaments: a 125mm gun; a 7,62mm coaxial machine gun; a 12,7mm antiaircraft machine gun.

Furthermore, the Malyshev Plant is to have delivered 10 "Oplot" tanks for the Defence Ministry by September 2011. The contract for manufacturing of these tanks was signed in 2009.

In March 2010, the Cabinet of Ministers appropriated 22,069 million UAH for pre-production of the tank "Oplot". In 2009, the Cabinet allocated 50 million UAH from the State Budget Stabilization Fund.

#### **8. Equipment Development: BTR-4**

According to the Deputy Minister of Industrial Policy – Head of the Defence Industry Agency, Kostiantyn Kucher, the first batch of BTR-4 (11 pieces) will have arrived in Iraq by the end of November 2010.

**Comment:** The Malyshev Plant is the main co-contractor for supplying 420 BTR-4 APCs to a foreign customer. 420 APCs are to be delivered to Iraq over two years.

In 2009, the state-run company "Ukrspetsexport" signed a contract with Iraq costing over \$550 million. The contract provides for delivery of more than 400 pieces of armoured equipment including BTR-4 and six light transport aircraft An-32 over 3-3,5 years as well as rendering of aircraft repair services. The Ukrainian contractors are the Malyshev Plant and the state-run air concern "Antonov". The first batch of An-32 aircraft will have been delivered to Iraq by the end of this year.

#### **9. Military Equipment and Defence Industry: KrAZ-5233 "Spetsnaz"**

29.10.10. KrAZ-5233 "Spetsnaz" has been recommended by a state commission for adoption by the Ukrainian Armed Forces.

**Comment:** The state commission that ran a test of the vehicle consisted of representatives of the Defence Ministry and "AvtoKrAZ" holding company. The state testing lasted for 5 months in rigorous weather and road conditions and environments in different regions of Ukraine.

The KrAZ-5233BE "Spetsnaz" multipurpose off-road vehicle is designed for quick and effective transportation of military personnel, special task units and UN peacekeeping personnel, towing of artillery systems of up to 1152mm calibre as well as transport and special trailers on all types of roads and off-road terrain.

The vehicles negotiated some 17000km of asphaltic concrete roads, earth roads, sand and mountain roads in the Crimea. All vehicles passed the state testing and are recommended by the state commission for adoption by the Ukrainian Armed Forces.

It must be noted that only 10-12% of the Defence Ministry's budget are appropriated for rearmament whereas Poland and Turkey earmark 50% of their respective MoDs' budgets for this purpose and Kazakhstan allocates 45%. On 2 September 2010, the Cabinet of Ministers approved spending procedures for 730 million UAH from the Stabilization Fund. This money is to be spent on purchase, repair and modernization of military and special equipment by state contracts with domestic manufacturers in 2010.

See Annex to IAR DN 43/2010 for specifications of KrAZ-5233 "Spetsnaz".

#### **10. Verification: an UAF Inspection Team in France**

23.10.10. An UAF Inspection Team surveyed military facilities in France under the Treaty on Conventional Armed Forces in Europe and the Open Skies Treaty.

**Comment:** The Ukrainian inspectors examined military facilities on two declared sites, namely the 501<sup>st</sup> Tank Regiment with a corresponding training area in Mourmelon and the 40<sup>th</sup> Artillery Regiment with its training area in Suippe.

From 2006 to 2009, Ukraine conducted 82 inspections under the Treaty on Conventional Armed Forces in Europe and 42 inspections under the Open Skies Treaty.

## Tactical and technical characteristics KrAZ-5233BE

№ п/п	Characteristic	Parameter
1	Wheel arrangement	4x4
2	Truck curb mass, kg	11000
3	Truck full mass, kg	16300
4	Load carrying capacity, kg	5100
5	Designally permissible payload, kg	7100
6	Towed trailer permissible full mass, kg	
	on all kinds of roads off roads and cross-country	7000
	on hard covered roads	10000
	of air crafts on concrete airfields	30000
7	Fuel tank, L	350
8	Maximum speed, km/h	120
9	Maximum negotiable upgrade slope. %	58
10	Depth of crossing ford with the hand bottom, m	1,5
11	Engine V-shaped, turbocharged diesel	
12	Gear box - mechanical. 2 range. 8-speed	