



#02

TACTICA

magazine

**EXPOMIL
2013**

**Romanian
BALLISTIC
VESTS**

The Bomb Squad

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EVENIMENT DE SOCIALIZARE CU OCAZIA ZILEI ARMATEI ROMANE

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The „war” of the Romanian military industry

According to the organizers, EXPOMIL 2013, intended for both specialists and the general public, “facilitated the exchange of experience between professionals in our country and abroad, proving once again that Romania is an important entity in the field, our products and potential being appreciated worldwide.” And from that statement, things start to get complicated.

Compared to previous editions, the exhibition itself was quite poor, perhaps a sign that Romania, as a market, is a “hard fight” for the Romanian military industry. But it is not a losing battle; at least everyone hopes so. Most domestic manufacturers live on foreign orders, such as the famous Cugir arms factory, which sells AKMs to Americans. Therefore investing in the production of military equipment that could equip the Romanian army, and even forces of the Ministry of Interior, at a value for money quite good, I would say, is the solution. It is clear that we cannot compare the Romanian military industry with the American and Western European ones, but neither can the level of participation in the theaters of operations. The needs of our armed forces can be met by domestic producers, who satisfy through the products they make and develop international standards, and a minimum of support from the authorities could lead in the future to a strong development of the Romanian military industry (and not only), which could produce better, responding more to the needs of the armed forces.... a productive vicious circle, this time. Will it take long? Probable. But... any journey begins with a step. And then, are we in a hurry to war?

Specialists from a completely different field than military production spend their days in the “routine” of training. This is the case of the Bucharest pyrotechnic police officers, with whom I had the pleasure to spend a few hours, during which time they did their daily training. A handful of remarkable, passionate, professional people received me warmly and proudly showed me how they prepare to neutralize improvised explosive devices.

Marcella Dragan



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Non-reimbursable financing of 18.5 million RON for the endowment with specialized equipment of ISU Bucharest and Ilfov

The project „Development and Endowment of Specialized Services for Interventions in Emergency Situations in the Bucharest-Ilfov Region” is financed with total non-reimbursable funds of 18,405,282.80 lei, through the Regional Operational Program 2007-2013 (Regio) and is implemented by the Association of Bucharest-Ilfov Intercommunity Development (ADIBI), between April 2013 and October 2014.

The approximately 18.5 million lei are used to purchase 14 special vehicles for ISU Bucharest and Ilfov to streamline public emergency intervention services.

The project consists of the acquisition by ADIBI of 14 special vehicles for working with water and foam and saving from heights. Eight of them will be put into use free of charge by a 5-year loan agreement to the „Dealul Spirii” Emergency Situations Inspectorate of Bucharest; the other 6 will reach the „Codrii Vlăsiei” Emergency Situations

Inspectorate of Ilfov County.

Of the total value of the project of 18,405,282.80 lei, the amount of 14,125,269.20 represents non-reimbursable funds obtained through the Regional Operational Program. The project development period is 18 months from the signing of the financing contract, respectively April 2013 - October 2014.

The acquisition contributes to improving the emergency response capacity at the level of the entire Bucharest-Ilfov region, by reducing the intervention time for providing qualified first aid and for interventions in emergencies. The project aims to become an integrated part of the European objective of economic

and social cohesion by improving the infrastructure of public safety services in emergency situations. The initiative comes against the background of the increase by 2.4% of the total number of interventions compared to 2011 as well as the increase by 6% of the missions in case of large public events.

Also, the number of people who died due to emergencies in 2012 decreased by 34% compared to the previous year.

As a result of the development of the operational base, the efficiency of the public security services offered by the Inspectorates for Emergency Situations Bucharest and Ilfov is expected.

Purchased equipment	B	IL
Trucks for working with water and say (payload 2 t)	2	-
Trucks for working with water and say (payload 5 t)	2	-
Trucks for working with water and say (payload 9 t)	-	4
Trucks for working with water and say (payload 10 t)	2	-
Trucks for working with water and say (payload 200 t)	-	1
Intervention and rescue trucks from a height - 42 m	2	



Romania and Portugal have signed the acquisition contract of 12 F-16 aircraft

The Government of Romania and that of the Portuguese Republic have signed the procurement contract, following which 12 modernized F-16 aircraft, from the surplus of the Portuguese Air Force, will enter the endowment of the Romanian Air Force.

After completing the technical and financial negotiations, the procurement contract was signed after obtaining the transfer authorization from the American side. This type of authorization, granted by the US Congress, is mandatory before the conclusion of any contract. Thus, in the next period, the aircraft will be modernized, the engines will

be repaired, and the Romanian personnel training that will operate the F-16 planes (9 pilots and 75 technicians) will start in the Portuguese Republic.

The arrival in Romania of the first aircraft is planned for 2016. Thus, by the end of 2017, the operational capabilities necessary for the combat service will be achieved, based on the contract concluded with the Government of the Portuguese Republic and the successive contracts to be concluded with the US Government.

Romania will use these aircraft to strengthen national airspace

security and increase the level of interoperability with NATO forces.

In June, the government approved a draft law on the purchase of 12 old F-16s, for which 628 million euros will be paid, according to Mediafax. The Minister of Defense, Mircea Dușa, specified that the F-16 planes would be brought to the country in 2015; until then, the pilots will be trained in the USA, and the infrastructure will be modernized in order to be compatible with this type of aircraft. In September 2012, the Supreme Council of National Defense (CSAT) approved the project of „gradual realization of air defense capability” under the program „Air Force Multirole Plane.”

photo: Katsuhiko Tokunaga



To demonstrate the capabilities of the OBSERVER equipment, specialists from the Ministries of Defense and Interior and the military industry were able to test the system with the SLX Hawk thermal imaging camera and the Ranger R3D ground surveillance radar installed on it. A wide variety of sensors or communication systems can be installed on the 10-meter mast of the Observer system, the system having great adaptability depending on the mission and can be configured for a wide variety of civil, security or military applications. Selex ES offers a wide range of multi-sensor Situational Awareness (SA) equipment that



meets surveillance requirements, constant information collection and timely dissemination. One of these pieces of equipment is the OBSERVER mobile observation system, an SA platform that can be deployed and configured very quickly. This multi-role system can be implemented very quickly and is also very quick to recover and reposition to meet operational needs such as border management, protection of critical national infrastructure, security of advanced bases,



MOBILE OBSERVATION SYSTEM OBSERVER

The Anglo-Italian company SELEX ES, one of the world leaders in military and security equipment, presented the new OBSERVER mobile observation system during an event organized at Sirma Aerodrome.

security of important events, ensuring oil and gas exploitation. The OBSERVER system has a modular design, allowing a flexible configuration to meet emerging requirements. It is easy to use and offers world-class performance with a minimum operator workload. Capable of operating in all environments, OBSERVER offers defense and para-military forces 360-degree detection, day and night, and target assessment, meeting the requirements of mobile force surveillance and supporting the defense of fixed or temporary installations. At the heart of the

system is the ability to integrate a range of sensor equipment and technologies. Mounted on a mast, the system offers height monitoring, either from 10m (OBSERVER 100) or 25m (OBSERVER 250).

The system presented was OBSERVER 100 with the following characteristics:

- platform raised to 10 m,
- commissioning in 7 minutes,
- approved for carriage on European roads - transportable by land and air (inside Chinook CH-47),
- detachable trailer,



- multiple sensors - EO type (TI, day) and radar, using standard quick-release mounting systems,
- thermal imaging camera with continuous optical zoom,
- color camera with 25x optical zoom,
- 360° ground surveillance radar,
- lifting capacity 120kg,
- optional capability for long-range camera per day, thermal chamber and LRF
- command and control (C2)
- SA applications providing images, geography, position sensor, target and event management. Can be integrated with other C2 systems.



- On-Board control station, which can be operated from a distance of up to 100m via a control cable or over longer distances with Line-of-Sight or Non Line-of-Sight equipment.
- Durability
- Over 30 days of operation without refueling through low energy consumption and flexible energy management
- Hybrid generator powered sensor systems
- Quiet operation between battery charging cycles
- Network activation to open standards (STANAG 4609 and 4559) to facilitate rapid integration with other sensors, systems and assets.

OBSERVER... in short

- high platforms, quickly deployable, offering flexible 360° day and night surveillance and the ability to identify the target.
- approved road trailer or pallet dismantling.
- complete mobility and versatility in extreme terrain and environmental conditions, offering over 30 days of continuous operation.
- on-board energy management
- Remote operation to reduce operator exposure
- Compatible with multi-sensor equipment and technologies
- Configurable to meet specific operational needs
- C2 software enables tactical operators to make informed decisions based on accurate real-time surveillance data

OBSERVER sensor options

The OBSERVER platform can be equipped with any number of sensor payload configurations. They have a lifting capacity of 120 kg (100) and 900 kg (250), and can be supplied without payloads of sensors, to allow customers to integrate their sensors into the service.

THE BOMB SQUAD

The more you train, the better you are. It's also the case of the police officers from the Pyrotechnic Office of the D.G.P.M.B., whom I accompanied on a training day.

text & photo: Marcella Drăgan



The scenario after which they carry out his exercise is complex and is designed to cover all situations that may arise in reality. Sometimes a story is told that follows the steps that police officers would cover in the field, in case of an intervention; other times, they start from a suspicious object and identify all the ways in which they could intervene to neutralize the danger posed by that object. Both variants were applied in the second training of the day for the pyrotechnic police.



According to the scenario, the car with a „suspicious” suitcase inside is identified. The procedure to be followed in the event of an intervention is very clear and each team member has well-defined tasks. However, each police officer can cover any of these tasks, all training to be able to perform all roles. Part of this team is the dog specializing in signaling and detecting explosive materials, with the agent that makes a first check of the car, and one of the four agents who make up the team and who is also the handler of the dog.



Once the presence of a real threat is established, the pyrotechnicians' special techniques and equipment help to solve the situation, reducing the risk to which the policemen are exposed. Reducing the risk does not mean eliminating it, and pyrotechnicians are on a permanent alert until the situation is resolved. To achieve this goal, experience plays an important role and it is gained through daily training.

The next step in training is to put on the special suit that provides the necessary protection to the policeman who checks the exterior of the car with a mirror. The weight of the kevlar suit, 40 kg, and its complexity make it necessary to help colleagues dress. In addition to protection, the



suit can also provide a minimum of comfort essential to carrying out the activity, especially when the police officer has to wear it for a longer time. Thus, the suit has a water cooling system, which reduces the temperature inside, the helmet has its own ventilation system, and communication with the team can be done either by radio or by wire.

Once the external check of the car has been carried out, the door is opened, an operation which, although not very sophisticated, must be done with great care and is repeated at each training session, due to the risk to the pyrotechnician who must approach of the vehicle. In the following stages, the special equipment that enters the endowment of the pyrotechnicians begins to be used. The first of these is the manipulator arm that allows the police officer to take the suspicious object and transport it to the x-ray equipment. This telescopic arm is equipped with an electrically operated „hand”, control system and counterweight, which allow the safe handling of the suspicious object. Another method of transporting a suspicious object is the famous „pyrotechnic robot”, so loved by children at public events in which the Office participates. Remotely controlled by radio or cable, the robot, due to the possibility of being equipped with wheels or tracks, can reach hard to reach places, operate in rough terrain, on slopes with an inclination of up to 60%, and can lift, depending on arm extension, up to 18 kg.

X-raying the suspicious object with the help of a portable X-ray machine allows pyrotechnicians to examine the device before intervening on it, even if a thick layer of steel covers it. The condition of the detonator is thus checked, the presence of any chemicals can be identified, obtaining information on the basis of which the plan for the next actions is made. These can be very simple or very complex, but the Bucharest pyrotechnicians do not defuse



the respective devices, but neutralize them, making the device non-functional. The procedures are different for each intervention, and one of the most commonly used equipment is the recoil-free disruptor. It allows, with the help of a disruptive agent, most commonly water, the intervention on the initiation system and not on the explosive. Although the disruptor, the same pyrotechnic robot, allows the targeting, by the use of laser beams, and the precise hitting of the suspicious object, there is always the risk that the device will explode when actuated on it. Sometimes, the explosion can be produced, controlled, even by pyrotechnicians, the decision being made on the spot, depending on the situation on the ground.

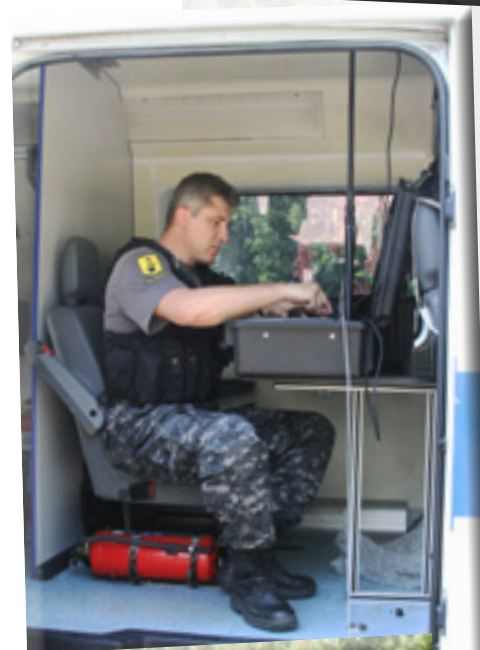
Although in the case of an actual intervention, once the danger is eliminated, the mission can be considered complete, the same cannot be said about the training, which continues, because there is other equipment that the pyrotechnicians still have to practice with. For example, endoscope checking allows you to view places hard to reach, such as the inside of a car or a room, without the need to open the hood or door, thus triggering the device. Once the situation has been analyzed and the suspicious object has been identified, the normal intervention procedures for its neutralization are followed. Other equipment allows police to identify the presence of nuclear substances in the intervention area.

The training ends with a new „check” made by the specially trained dog at the Center in Sibiu, which is thus rewarded for the patience with which he assisted in the training of Bucharest pyrotechnicians.



The Pyrotechnic Office of the D.G.P.M.B.

The Pyrotechnic Service was established in 1986, following an attack with two explosive devices placed on a car trap in Bucharest, one of which exploded while trying to neutralize it. „We operate with five intervention compartments, each consisting of an officer and four agents, one of whom is the handler of a dog specialized in signaling and detecting explosive materials. This covers the intervention, 24 out of 24, seven days a week, in Bucharest and in five other southern counties: Ilfov, Ialomița, Călărași, Teleorman and Giurgiu. We provide intervention in case of signaling objects suspected of containing improvised explosive devices. We also carry out technical anti-terrorist checks on the occasion of various threats regarding the use of improvised explosive devices or explosive materials and anti-terrorist technical checks prior to carrying out activities involving a large number of participants or high risk, such as summits or foreigner dignitaries' visits in the country. There are 14 other county groups in the country that intervene in the county of residence and in the neighboring counties. They are organized on the system of Courts of Appeal. If the situation in the country is special, it is requested and intervened from Bucharest, and in situations where there is information or indications that the improvised explosive device would have CBRN components, the intervention is made only by the team from Bucharest, which travels to the emergency, on wheels or by air, in the respective county. We also have collaboration protocols with the Anti-Terrorist Brigade of the Romanian Intelligence Service „„ said Chief Commissioner Mugurel Săftoiu, head of the pyrotechnic office of the D.G.P.M.B



Interventions

On average, Bucharest pyrotechnicians participate in 200 interventions per year. Of these, a few were more important:

- the ball device from Herăstrău Park in Bucharest (1992). It had six kilograms of C4 plastic explosive and about 2,000 11mm diameter steel balls. It was powered by the car's battery and operated by a radio remote control.
- the device from the Izvor Park area (1998). It was equipped with a remote control and was discovered during a large military demonstration.
- the device in a car, in a gas station in Giurgiu County (1999). It was placed in the trunk of an abandoned car near the gas stations. The device was composed of about 750 grams of plastic explosive. The initiation took place when one of the car's doors opened, the electric staple being connected to the car's headlight.
- the device from Unirii Square, Bucharest (2000). It was placed magnetically under the threshold of a car, was of the pipe type, with a diameter of about eight centimeters and contained 230 gr of Semtex plastic explosive, being provided with initiation by radio remote control.
- the device from Voluntari, Ilfov (2005). It consisted of an aluminum cylinder of about 5 liters containing water and calcium carbide, was equipped with a mechanical clock and an electronic system for the production of initiation.

169 YEARS OF MILITARY TRADITION OF BUCHAREST FIREFIGHTERS

*The Inspectorate for
Emergency Situations
„Dealul Spirii” of the
Municipality of Bucharest
organized at the Mihai
Vodă Fire Department
the 169th anniversary
celebration of
documentary attestation
of the Bucharest
firefighters.*



At the anniversary hour, they were accompanied by representatives of the Royal Family, the Secretary of State in the Ministry of Internal Affairs, Mr. Constantin Cătălin Chiper, Secretary of State in the Ministry of Health, Mr. Raed Arafat, Inspector General of the General Inspectorate for Emergency Situations, Mr. Colonel Ion Burlui, General Mayor of Bucharest, Mr. Sorin Mircea Oprescu, who congratulated the Bucharest firefighters for the professionalism, courage and dedication they show for the community. As a sign of gratitude for the Royal Family's appreciation of the noble firearms, the chief inspector of the „Dealul Spirii” Emergency Situations Inspectorate of Bucharest offered His Royal Highness, Prince Radu of Romania, a commemorative plaque and a painting collection. Also on this occasion, the Royal Family honorably offered the Battle Flag to the Chief Inspector of the Inspectorate for Emergency Situations „Dealul Spirii” of Bucharest, a reproduction of the activities specific to the event of May 10, 1933, when King Carol II awarded the Battle Flag to the

Bucharest Fire Company. By Order of completion no.35 / 08.04.2013 of the Order of the Minister of Administration and Interior no.176 / 2012, published in the Official Gazette of Romania, no.206 / 11.04.2013, August 18 was established the official day of the Inspectorate for Situations of Emergency „Dealul Spirii” of Bucharest Municipality, on the occasion of which the establishment of the public fire service in the Capital is commemorated and celebrated.

Short history

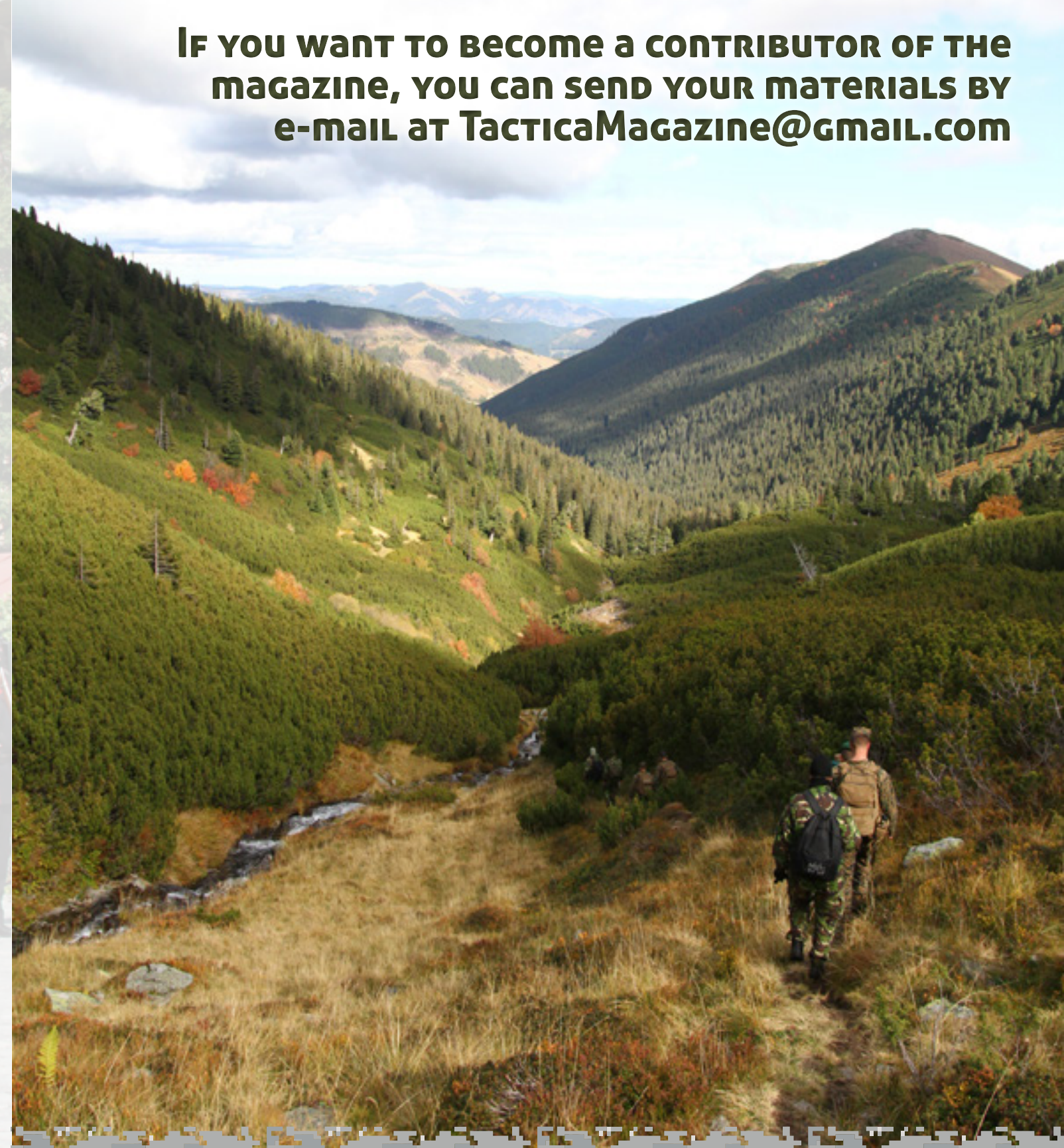
The first half of the 19th century represented a prolific period in the development of the Capital, with the construction of a large number of public buildings and edifices. In the ever-expanding city, fires broke out daily, resulting in significant damage. Therefore, Prince Gheorghe Bibescu considered it necessary to set up a public fire service in Bucharest. As a result, on January 8, 1844, he submitted to the Public Assembly for debate the

project of organizing a public fire service. Thus, on August 18, 1844, the first fire brigade was formed in Bucharest, the newly created military structure proving its usefulness since the first years of its existence. A century later, on May 10, 1933, in gratitude for the devotion and courage with which they carried out their activity in the service of the community, King Carol II conferred the Battle Flag to the Bucharest Fire Company.



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DSPI Anniversary Ceremony



The Minister of National Defense, Mircea Dușa, participated on September 3 in the ceremony dedicated to the Special Detachment for Protection and Intervention (DSPI) anniversary within the M.Ap.N. On this occasion, Minister Dușa congratulated the detachment staff for the way they do their duty, both internally and externally, and specified that the military has fulfilled their missions professionally in the 15 years since its establishment. „DSPI acted to ensure the security of human and material factors under the responsibility of the Ministry of National Defense, as well as high-profile politico-military and military events organized in our country, such as the informal meeting of defense ministers of NATO member states, Russia and Ukraine, North Atlantic Alliance Summit or NATO

Military Committee Conference. Also, the unit contributes to the effort assumed by the Ministry of National Defense within the international missions in the theaters of operations”, said the Minister of National Defense. Furthermore, a demonstration exercise was presented during the ceremony and a static exhibition was organized.

The Special Protection and Intervention Detachment was established on 1 September 1998 under the name of the Protection and Guard Detachment. The unit received, in 2008, by presidential decree, the Battle Flag. At the same time, the structure received the distinction of the Emblem of Honor of the information for defense, as an element of recognition of the special merits and efforts made throughout its existence in fulfilling the missions and tasks entrusted.



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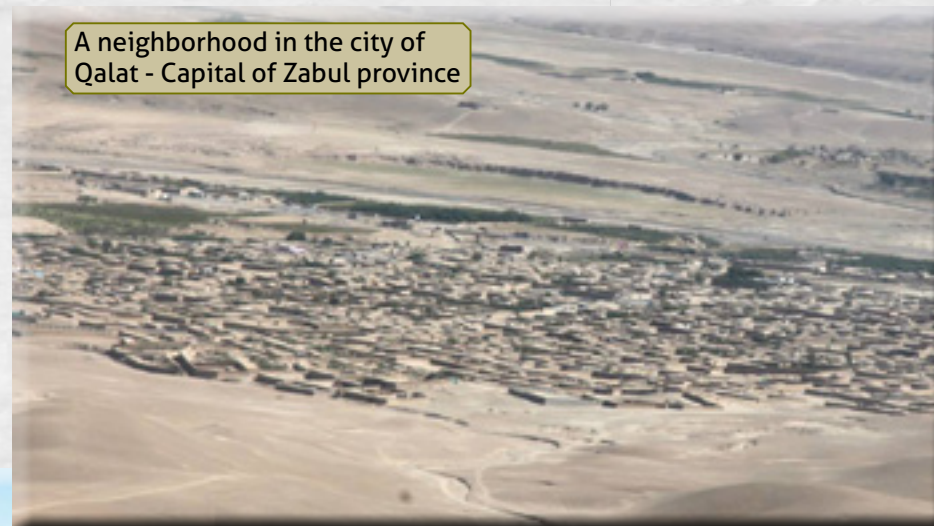
AFGHANISTAN LAND OF CONTRASTS

The Ministry of Defense proposes a photoreport with places that the Romanian soldiers from the 151st Infantry Battalion „Black Wolves” crossed with their feet or with the help of „iron birds” during the missions in the theater of operations in distant Afghanistan. Photos taken by Major Adrian Gîțman.

The sunset or the
direction we look home

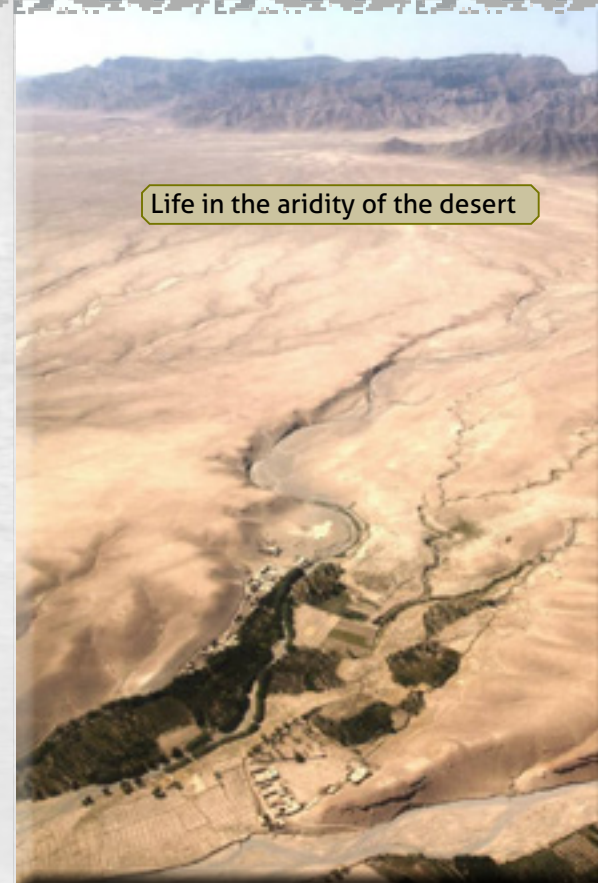


Afghan village or travel back in time



A neighborhood in the city of
Qalat - Capital of Zabul province

The Afghan mountains seem
to be on a desert planet



Life in the aridity of the desert



Wilderness ... without Photoshop



Small tornadoes are born out of the blue



There are also oases of
greenery in the Afghan desert



The famous and
always dangerous
A1 motorway

CUGIR WEAPONS FACTORY

Civilian AKMs for Americans

Text: Maior Ion Adrian CURIMAN
(<http://www.rft.forter.ro>)
Photo: Marcella Drăgan

The Cugir Weapons Factory presented at EXPOMIL 2013 the range of products traditionally destined for the existing military market or the manufacturer's hope in the future in the Romanian Army's endowment.

In addition to military products, the range of products intended for the civilian market, a range derived from the traditional 7.62 cal model 1963, also known as AKM machine gun, was also displayed on the stands.

The company's representative, Lucian Pop - chief research and development engineer at the Cugir Weapons Factory - says that there is a new product in the final testing phase, this being a short AKM, intended for intervention troops in urban areas. „We are also nearing the completion of the 5.56 mm NATO assault weapon and we are waiting for a decision to be made on the equipment of the Romanian Army in order to know how to focus our production efforts.”

The novelty of these products, explains Mr Pop, consists in solving the required specifications for interfaces with optical sighting equipment or other accessories. „The basic principle is also taken from AKM, which has proven to be a reliable weapon, with no problems in operation for decades and

relatively low maintenance costs compared to other similar weapons on the world market,” says Lucian Pop. We started from the idea that it is a shame to give up a product that has proven its reliability over time. There is also the other strictly economic aspect, because the technological base we have allows us to make weapons on the structure of the AKM. Any different weapon structure or concept involves the complete refurbishment of the plant, which is not currently possible.”

Unfortunately, Romania is not a market for the Cugir Weapons Factory. „We do not sell anything in the country. At present we live only on exports to the American civilian market, and this has been happening for years. At least we have the certainty that by 2016 we have full coverage in the contract. We sell them the part of AKMs transformed into civilian weapons, ie they only have the option of semi-automatic in operation and have constructive modifications so that they cannot be retransformed into automatic weapons.”



Gepard GM6 Lynx

Gepard GM6 Lynx is a weapon manufactured in Cugir according to a Hungarian concept, bought by the Romanian private company CRIABO Defense & Security, which started to produce it in Romania together with RomArm, Cugir and IOR Bucharest.



Gepárd GM6 Lynx	
Range:	1M² la 1.500 m
Magazine Capacity:	5 sau 10
Caliber:	12.7 x 108 mm / .50 BMG
Muzzle Velocity	780 / 870 m/s
Barrel length:	930mm
Overall length:	1.126 mm assembled și 928 mm transport
Accuracy:	1.2
Weight:	11,5 kg



The GM6 Lynx cheetah incorporates state-of-the-art materials, weighing 11.5 kg and the sighting system is produced by IOR Bucharest.

The GM-6 Lynx weapon can attack low-altitude gliding aerial targets, lightly armored vehicles and targets, shelters, buildings, radio equipment, artillery systems or missile launchers within a range of 600-800m, maximum neutralization range of the targets being 1.8 km. Due to its low weight, the weapon is easily transported by troops and can be used in urban areas to block access roads, with the force to stop vehicles, but also to demolish walls or attack targets housed in buildings, according to Rumaniamilitary.ro.

Gepard can use both classic 12.7mm ammunition and 50 caliber ammunition, it has a beat, eye-point hit, up to 2500 meters; at the test shots, the target was hit, sufficiently grouped, at 2500 meters.

Gepard is a bullpup weapon, meaning it has a mechanism and a cartridge magazine behind the trigger, it is semi-automatic and has an anti-recoil system that allows the shooter to shoot with it without having to stabilize it.



TAB SAUR 2

Description

The SAUR 2 is a wheeled multi-role armored vehicle developed by ROMARM in 2008. Late in 2008, ROMARM completed the first prototype of the successor of the first generation of the SAUR vehicle. The SAUR 2 was presented for the first time during the Defense Exhibition, Ex-pomil 2009. The SAUR 2 is equipped to carry 11 personnel: commander, driver, gunner and 9 soldiers. The design is based on a modular structure selected to give the maximum flexibility for multi-purpose operation. The driving axles are fitted inside the hull. The SAUR 2 is developed and manufactured to meet the new needs of the army and new threats from the battlefield. The SAUR 2 is a great improvement as regards of armor protection and comfort compared to the first generation of wheeled armored vehicle SAUR.

Armament

The SAUR 2 can be fitted with a remote controlled weapon station armed with weapons up to 30 mm caliber. The SAUR 2 can be equipped with a remote controlled weapon station armed with a 25 mm Oerlikon cannon and a coaxial gun 7,62 mm caliber.



Protection

The hull of the SAUR 2 is of all-welded steel, which provides the occupants with protection from small arms fire and shell splinters with the highest protection being given over the frontal arc. According to ROMARM, the vehicle has the level 2 anti-mine and ballistic protection. The SAUR 2 can be fitted with an Add-on armor kit, then the protection passes on a level 3. There are seven ball-swivel firing ports in the vehicle hull, four on the right and three on the left side of the vehicle.

Propulsion

The SAUR 2 is 8 x 8 wheeled chassis motorized with a Diesel engine Type EURO 3, coupled to an automatic gearbox. The engine used is more powerful than that from the SAUR 1 to maintain the mobility of the vehicle and allow the installation of heavier weapons systems. The SAUR 2 can run at a maximum speed of 100 km/h with a maximum range of 700 km.

Accessories

The SAUR 2 is equipped with a hydraulic winch mounted to the front of the vehicle. For crew protection, the SAUR 2 is equipped with a centrifugal inertial dust filter separation compressor and absorbent filter. The crew and engine compartment is protected against fire with an automatic fire extinguishing installation. For NBC protection, the SAUR 2 is equipped with air tubes and individual air mask.



IVECO Super AV 8×8

Digital Bit S.R.L. presented the AGIL V4 remote control weapon system integrated with the Force V4 command and control application, both high-tech products being entirely Romanian.

Also presented here was the amphibious transporter IVECO Super AV 8 × 8, the vehicle proposed for equipping the Romanian army, based on a team agreement signed between IVECO and ROMARM that includes local production through technology transfer, labor training and even direct investment. The IVECO Super AV 8×8 amphibious transporter is in the final testing period of the American Marines and Italian troops.

According to the manufacturer's specifications, Iveco Super AV offers protection against small arms, artillery, splinters, landmines and IEDs, and can be fitted with additional armor kits. The vehicle is equipped with NBC protection and automatic fire extinguishing systems.

It can be equipped with various weapon systems, including remote controlled stations. This armored troop carrier can carry 12 soldiers, plus the driver. If a turret with two soldiers is mounted, the number of transported persons decreases to eight. The entry and exit of the military is done through the rear doors or hatches on the roof.

The conveyor is equipped with tires with central inflation system and run-flat tires. The Iveco Super AV is completely amphibious, complying with the Sea State 2 operating conditions. The conveyor is offered in two body widths, 2.7 and 3 meters.

Also present in the Digital Bit stand was the 4 × 4 Jeep J8 vehicle with the proposal to be assembled in Romania.



SC Digital Bit S.R.L. is a company specializing in high technologies, with notable results in the development of special software applications, design, development and integration of systems, respectively the production of special electronic equipment.



MFA Mizil & Renault Trucks Defense

SC MFA S.A. MIZIL and Renault Trucks Defense participated in EXPOMIL 2013 with a joint stand, based on a memorandum of understanding signed between the two parties, the Romanian company becoming the exclusive representative of the French company for the production and marketing of its products in Romania. Three special vehicles were brought to the exhibit: a KERAX 6x6 transport truck/tractor, a 4x4 light vehicle of the Sherpa Light "Scout" type and the 4x2 fire truck of the Midlum SP FPT type.

Kerax

The family of rigid militarized trucks and tractors is based on commercial vehicles that are adapted to the specific needs of the armed forces. They are ideal for logistics missions and benefit from the low life-cycle costs of commercial vehicles. Kerax trucks also have the ability to be modified for tactical missions with improved off-road mobility and tactical air transport capability. Kerax are ideal for various logistical or tactical missions, including freight, weapon systems, troops, water or fuel.



Sherpa Light "Scout"

The Sherpa Light family of tactical or lightly armored 4x4 vehicles was designed to give the infantry the best balance of mobility and load capacity. In addition to on- and off-road performance, the Sherpa Light can be transported by air, multi-role, and equipped with ballistic and anti-mine armor. The Sherpa Light Scout, available with and without armor, is ideal for tactical missions such as search, patrols, convoy escort and command. He can carry up to 4 or 5 soldiers and a weapon system can be mounted on his hood.



TAS-11TM

SIGHTING SYSTEM WITH BOTH EYES COMPATIBLE WITH ALL INFANTRY WEAPONS



Withstands recoil from .308 to .50 caliber
Compatible night view all generations
Automatic brightness adjustment
Highly resistant housing made of steel
Compatible with LynxTM 4x scope
UltraQuicTM release system compatible with Picatinny 1913 rail

- Manual ON / OFF button and grille brightness adjustment. They are placed on the left side of the body to be easy to operate, even with gloves.
- Magnification power: 1x
- Dimensions: 130 x 44 x 75 mm
- Weight: 335 g
- Point size: 0.8 MOA
- Circle size: 65 MOA
- Parallax: completely free
- Light adjustment:
 - automatic: fully digital depending on the contrast of the target
 - manual: in 47 steps (two pushbuttons) depending on the shooter's eye
- Night view: fully compatible
- Power supply: an AA battery (voltage 1.2 - 3.6 Vdc)
- Cover: two self-positioning lens covers
- Accessory:
 - Mount: ultra-quick release for Picatinny rail 1916
 - On request, it can be painted in any camouflage color/pattern.

Luneta Lynx

- Magnification power: 4x
- Useful diameter: 38 mm
- Length: 125 mm
- Weight: 125 gr
- Temperature: from -35o to 70o C

- Water resistance: 15 ft
- Sealing: internal anti-fog optics
- Mount: TAS-11 system for quick mounting and quick detachment MIL-STD-1913 rail. (directly on the TAS-11 body, no longer rail required)



Romanian BALLISTIC VESTS

A brief history of the research and production of individual ballistic protection equipment

Based on the research activities and testing of various ballistic protection materials, in 1992 the foundations of the bulletproof vest micro-production activity within CCSANBCE were laid, making the first batches of military-type bulletproof vests level II for the Romanian army.

The research activity carried out simultaneously with the microproduction activity expanded in the following years, resulting in the production in 1995 of the bulletproof vests level IIIA, ceramic ballistic protection plates, and ballistic protection helmets. This equipment has been part of the army since 1996.

The evolution of protective vests in domestic production

The first vests made in 1992 were level II military bulletproof vests. Their mass was up to 3.7 kg (XL size) and they were used by soldiers in the land troops. Following the research activities, the following types of bulletproof vests were made in 1995 and equipped in 1996: bulletproof vest level IIIA military type for the Romanian army, bulletproof vest level IIIA type anti-terror for soldiers performing special missions and vest bullet level IIIA civil type (T-shirt) for personalities. During the same period, the research carried out for the production of the level II ballistic protection helmet and the level IV ballistic protection ceramic plate was completed.

With the participation of the Romanian military in actions in the UN peacekeeping missions

in Angola, Albania, Bosnia and Kosovo, the need arose to equip the army with bulletproof vests level IIIA with ceramic ballistic protection plates level IV. This type of vest has undergone multiple changes over time based on deficiencies reported by the military in observation theaters. In 2006, the concept study on personal ballistic protection equipment was developed, through which the reported deficiencies were remedied and in addition, new improvements of these equipments were introduced in line with global trends. Based on the concept study, in 2007 new procurement specifications were developed for personal protective equipment, vests and helmets.

The final variants made in 2007 for level IIIA bulletproof vests and ceramic ballistic protection plates are the following: modular

level IIIA bulletproof vest, provided with the possibility to change the protection level, consisting of a pocket in which flexible ballistic panels are inserted and / or additional ceramic tiles. The cover is made of wear-resistant, fire-retardant, hydrophobic, oleophobic, antistatic, with infrared mimetic reflectance material. The flexible protection elements are made of aramid materials and the rigid ones of composite materials with a ceramic layer. Other improvements are the possibility of adding pockets for logistics transport (eliminates the carrying vest, which was placed over the bulletproof vest and which is inconvenient and difficult to wear / undress), allowing the adjustment of the distribution of equipment on the vest for each individual and according to the specific mission and the system for adjusting the length of the side grips so that the vest is as comfortable as possible for the soldier. The weight of such a vest is a maximum of 5.5 kg and a T-shirt was introduced in the vest's inventory to reduce the fighter's thermal stress (Coolmax type or similar).

Multifunctional ballistic protection vest

The diversity and complexity of the Land Forces missions, the participation of the Romanian Army with structures belonging to this category of forces in missions outside the national territory within the Alliance, require a new approach to issues related to fighter capabilities, with special emphasis on ensuring protection, according to NATO. According to this new approach, in 2010, the multifunctional ballistic protection vest was completed, made based on the requirements of the special forces soldiers. The multifunctional ballistic vest (VMF) is a part of personal ballistic protection equipment and is intended to provide the fighter with effective protection against fire from light infantry and shrapnel while fighting, while maintaining good mobility. The modular design of the multifunctional ballistic protection vest allows for various equipment variants, depending on the conditions and the specifics of the mission. VMF provides level IIIA bullet protection according to NIJ standard 01.01.04 / 2001 and SR 5 according to SMT 40202/99. VMF ensures ballistic resistance to standard FSP 1.1g chips (according to STANAG 2920/1988 and SMT 40202 / 1-2000): speed limit v50 550 m / s. Used together with ballistic protection plates in 3 variants, VMF provides three levels of ballistic protection against bullets. Variant a I - composite ceramic tiles, protection level IV (according to NIJ 0101.04 / 2000) and protection level SR8 (according to SMT 40202/99). Variant II - ceramic and composite tiles, protection level SR6, SR7 (according to SMT 40202/99). Variant III - level III

polyethylene plates, according to NIJ 0101.04 / 2000. The mass of VMF without plates and logistic pockets does not exceed 4 kg.

As novelty elements, we mention: multiple protection variants, the addition of side protection plates in all three variants, the plate pockets are arranged inside the cover so as not to disturb the movements, the outer cover has the part from the user's body made of space fabric for the elimination of heat stress, rapid decoupling system, especially when the fighter is injured. The outer layer of the protective ballistic vest is entirely waterproof, has a high mechanical resistance and ensures masking in the visible-infrared range. To ensure total impermeability, ballistic packs are placed in impermeable polyurethane film. Textile strips are sewn on the outer cover to allow the addition of pockets for logistics transport. Also, in the upper back of the cover the vest will be provided with a strap that serves as a support handle in case of transport and for lifting the fighter in case of his fall. The logistics pockets are equipped with a MOLLE type fastening system. The type and number of logistics pockets will be determined by each beneficiary, depending on the operational requirements.

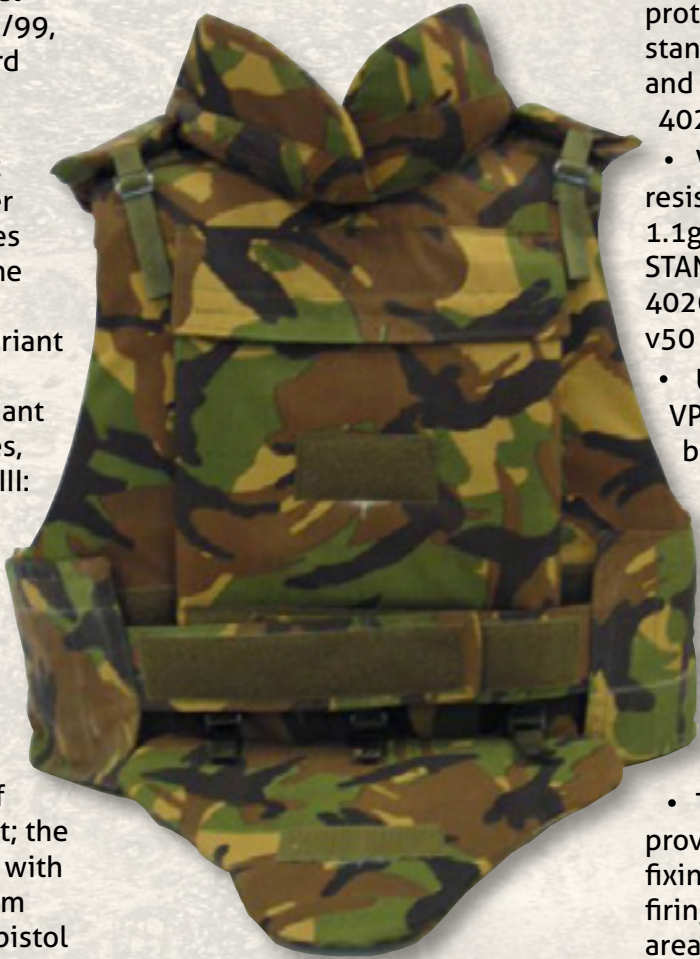


Perspectives

In 2012, the functional model of the ballistic protection vest was made for the units that perform missions in the theaters of operations, at the request of SMFT. The modernization of the vest aimed at both ergonomic changes and modifications of the ballistic protection structures (vest package and plates), so as to increase the comfort level, without affecting the level and the protection surface. VTO will provide bullet protection level SR 5 according to SMT 40202/99, ballistic resistance to standard splint FSP 1.1g (according to STANAG 2920/1988 and SMT 40202 / 1-2000): speed limit v50 3500 m / s. Used together with ballistic protection plates in 3 variants, VMF provides the following levels of ballistic protection against bullets: variant I: composite ceramic plates, protection level IV / SR8; variant II: ceramic and composite tiles, protection level SR6; variant III: level III polyethylene plates. The vest has the following novelty elements: in the shoulder area, the outer cover is provided with a system for fixing the weapon for the firing position; textile strips are sewn on the outer cover to allow the addition of pockets for logistics transport; the logistic pockets are provided with a MOLLE type clamping system and are the following: horse pistol support. 9 mm Cugir, md. 1995; 2 x 2 sectors for horse ammunition. 5.45 mm, machine gun; Harris RF-5800V-HH104 station support; bayonet holder; 3 accessory pockets; pocket for individual medical kit; degree mark holder, nominal mark holder; support means belonging; camel back fastening / fixing system on the back of the vest.

The requirements for ballistic protection have been adapted to

the real threats in the theaters of operations: multiple variants of protection; the addition of side protection plates in all three variants; the plate pockets are arranged inside the cover so as not to disturb the movements; the outer cover has the part from the user's body made of space fabric to eliminate thermal stress; introduction, for the first time, of the ballistic protection plate level SR 6 which has a mass of 1.8 kg and provides protection for the following types of ammunition:



-7.62 mm short with a bullet with a steel core, firing distance 15 m, 6 strokes on the plate; -5.56 x 45 mm type SS109, shooting distance 15 m, 6 shots on the plate. Along with the modification of the ballistic package, the introduction of this plate variant reduces the weight of the vest by about 3 kg.

Level IIIA ballistic vest for forces in theaters of operations

Destination

The ballistic vest (VPB) is designed to ensure the effective protection of soldiers performing missions in theaters of operations against the fire of small arms and shrapnel during combat, while maintaining good mobility.

Characteristics:

- VPB provides level IIIA bullet protection according to NIJ standard 01.01.04 / 2001 and SR 5 according to SMT 40202/99.
 - VPB ensures ballistic resistance to standard FSP 1.1g chips (according to STANAG 2920/1988 and SMT 40202 / 1-2000): speed limit v50 550 m / s;
 - Used together with VPB composite ceramic ballistic protection plates, it provides protection level IV (according to NIJ 0101.04 / 2000) and protection level SR8 (according to SMT 40202/99);

Novelty items

- The outer cover is provided with a system for fixing the weapon for the firing position in the shoulder area.
- On The outer cover is sewn with textile strips that allow the addition of pockets for logistics transport.
- the logistic pockets are provided with MOLLE type fastening system and are the following:
 - cal pistol holder. 9 mm Cugir, md. 1995
 - 2 x 2 sectors for horse ammunition. 5.45 mm,

machine gun

- Harris RF-5800V-HH104 station support
- bayonet holder
- 3 accessory pockets
- pocket for individual medical kit
- grade support
- nominal sign support
- support means belonging
- camel back fastening / fixing system on the back of the vest

Manufacturer: Sc Stimpex SA - CCSACBRNE

Ballistic vest designed for units performing missions in NATO

- functional model -

Destination

The ballistic protection vest is intended to ensure the effective protection of the military who perform missions in the theaters of operations against the fire of small arms and shrapnel during the fighting, while maintaining good mobility.

Characteristics:

- provides protection against the effects of splinters and bullets and allows the level of protection to be adapted to the ballistic threat.
- provides protection to SR 5 level bullets according to SMT 40202/99:
 - bullets caliber 9x19 mm FMJ, bullet mass 9 g, speed 420 ± 10 m / s, firing distance 5 m, 6 shots on the front vest, 6 shots on the back;
 - bullets caliber 7.62x25mm, bullet mass 5.46-5.56 g, speed 440 ± 10 m / s, firing distance 5 m, 6 shots on the front vest, 6 shots on the back.
- ensures ballistic resistance

to standard FSP 1.1g chips (according to STANAG 2920/1988 and SMT 40202 / 1-2000): speed limit v50 3500 m / s;

- used together with ballistic protection plates in 3 variants, VMF ensures the following levels of ballistic protection against bullets:
 - Variant I: Composite ceramic tiles, protection level IV / SR8
 - bullet caliber 7.62x51 mm perforating with minimum speed 868 m / s, at a distance of 15 m, 1 shot on the plate;
 - bullet caliber 7.62x54 mm perforating-incendiary with speed 850 ± 10 m / s, at a distance of 15 m, 1 shot on the plate;
 - Both shots must be taken on the same board.
 - Option II: ceramic and composite tiles, protection level SR6 +
 - 7.62 mm short with bullet with steel core, firing distance 15 m, 6 shots on the plate;
 - 5.56 x 45 mm type SS109, shooting distance 15 m, 6 shots on the plate;
 - Option III: level III polyethylene boards.
 - 7.62 mm FMJ, shooting distance 15 m, 6 shots on the plate.

Novelty items

- the requirements for ballistic protection have been adapted to the real threats in the theaters of operations, in order to reduce the mass and increase the level of comfort, without affecting the level and surface of protection;
- ballistic protection plate level SR6 +, having a mass of 1.8 kg;
- multiple protection options;

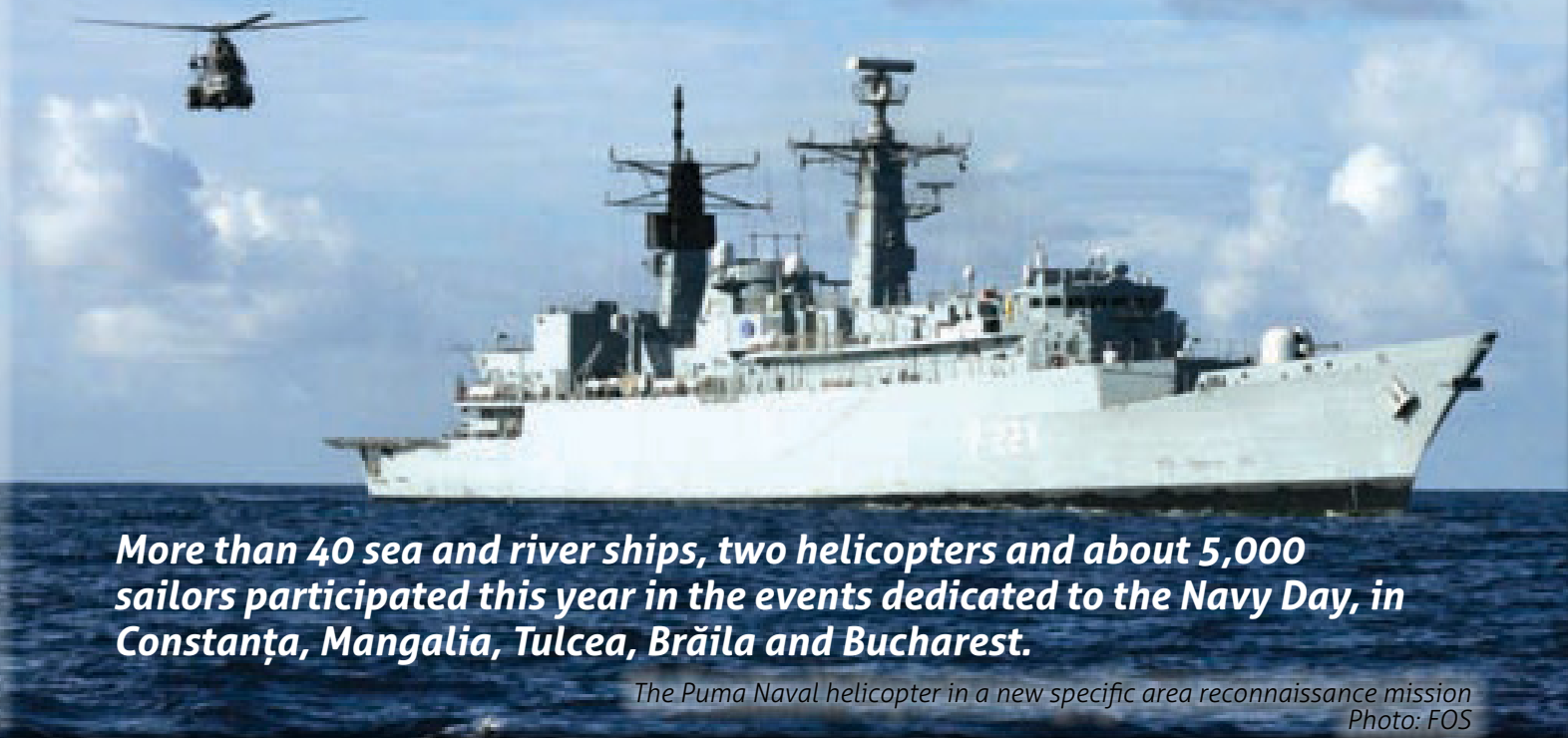
- the addition of side protection plates in all three variants;
- the outer cover has the part from the user's body made of space fabric to eliminate thermal stress;
- the outer protective cover, as well as the set of pockets and carrying systems are identical to those of the ballistic protection vest level IIIA model 2012.



The level IV ballistic protection ceramic plate has the following characteristics: the front ballistic protection plate has an anatomical shape with chamfered corners, and the rear ballistic protection plate has a flat shape with chamfered corners. Plate mass: max. 3.2 kg.



Navy Day



More than 40 sea and river ships, two helicopters and about 5,000 sailors participated this year in the events dedicated to the Navy Day, in Constanța, Mangalia, Tulcea, Brăila and Bucharest.

The Puma Naval helicopter in a new specific area reconnaissance mission
Photo: FOS

Romanian Naval Forces

To fulfill the missions, the Romanian Naval Forces are structured on four pillars. The first pillar, the Fleet Command, consists, at sea, of the Frigate Fleet and the Helicopter Group, corvette divisions, mining - demining ships, missile carriers, and, in the river area, the River Service with monitor divisions, carrier ships. The second pillar is made up of distinct specialized structures, directly subordinated to the General Staff of the Naval Forces, such as: Diving Center, Radioelectronic and Observation Center, Maritime Hydrographic Directorate, Marine Battalion, Support Battalion, of Informatics, Training, Simulation and Evaluation Center, Naval Medicine Center. The third pillar covers the logistics of the Naval Forces, being represented by the Naval Logistics Base and its subordinate structures, the Special Ships Division, the Naval Technical Maintenance Center and the Logistics sections. The fourth pillar is represented by the naval military education, which consists of the Naval Academy „Mircea cel Batran”, the Military School of Military Masters of the Naval Forces „Admiral Ion Murgescu” and the School of Application of the Naval Forces, „Vice Admiral Constantin Balescu”



NS Mircea during the trainings for the exercise „Naval Forces 2012”.
Photo: Mihai EGOROV

The international agenda of the Naval Forces has increased in recent years. Participation of frigates King Ferdinand and Queen Maria in the ACTIVE ENDEAVOR operation in the Mediterranean Sea, participation of the Marine Battalion in the theater of operations in Kosovo, participation in the Black Sea Naval Cooperation Group, BLACKSEAFOR, regional exercises and training of ships belonging to Alliance member states North Atlantic, the marches of the Transport Ship „Albatros”, the training marches of the School Ship „Mircea” were complex activities of recent years, with notable results, in line with the efforts of all staff.

April 12, 2013, Black Sea, frigate Marasesti. Naval firing with twin installation caliber 76.2 mm
Photo: Cristian VLĂSCÉANU



April 10, 2013, Black Sea. The frigates Regina Maria and Mărășești at the end of a day of joint exercises
Photo: Cristian VLĂSCÉANU

March 28, 2013, Black Sea, frigate Regina Maria. Aiming of the Puma Naval helicopter in the joint exercises with the frigate Verni (BGS42) of the Bulgarian Naval Forces
Photo: Cristian VLĂSCÉANU

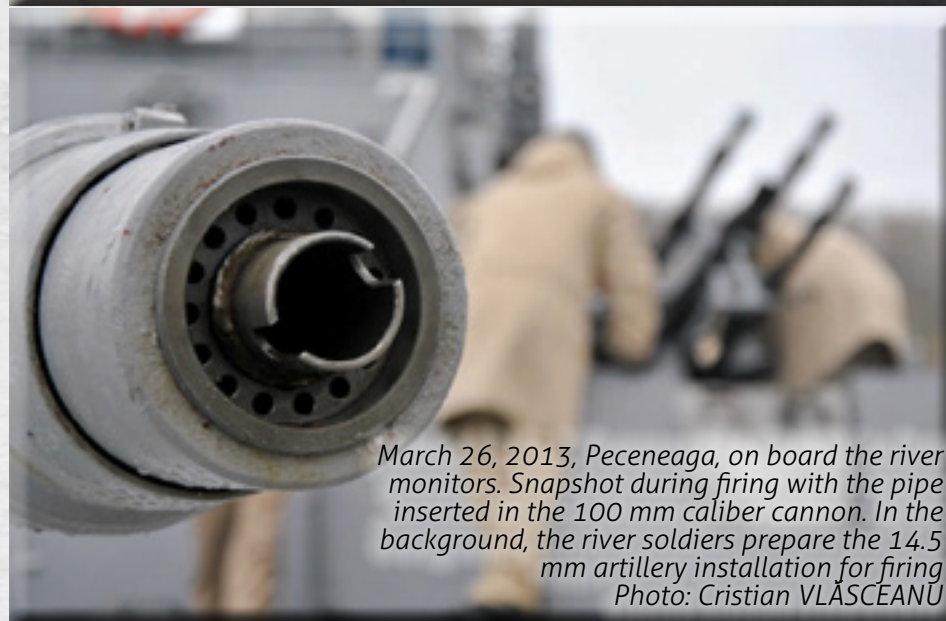
Bording training at the frigate Marasesti
Photo: Cristian VLĂSCÉANU

May 14, 2013, Black Sea, NISMA Grigore Antipa. Incursion into the depths
Photo: Cristian VLĂSCÉANU





Demonstration exercise of the soldiers of the Marine Battalion
Photo: Cristian VLĂSCĂANU



March 26, 2013, Peceneaga, on board the river monitors. Snapshot during firing with the pipe inserted in the 100 mm caliber cannon. In the background, the river soldiers prepare the 14.5 mm artillery installation for firing
Photo: Cristian VLĂSCĂANU



Insertion of the Special Operations Forces team aboard a hostile ship through the Fast Rope process.
Photo: Mihai EGOROV

External operations/missions in which the Romanian Naval Forces participated

ACTIVE ENDEAVOR OPERATION:

represents NATO's immediate response to the terrorist attacks on the United States since September 11, 2001, following the invocation, for the first time in the history of the Alliance, of Article 5. Romania has participated 11 times, since 2005, with the two frigates King Ferdinand and Queen Mary.

OPERATION „UNIFIED PROTECTOR”:

the temporary force set up, under NATO command, to impose the embargo off the coast of Libya. It participated with the frigate King Ferdinand in 2011.

OPERATION ATALANTA: prevention of piracy and armed robbery at sea. It participated with the frigate King Ferdinand in 2012.

BLACKSEAFOR NAVAL COOPERATION GROUP (BSF):

a regional initiative of the Black Sea countries. The Romanian Naval Forces have participated, since 2001, with class ships frigates, corvettes and dragoons, as well as with command and staff officers - in the command structures of the BSF. The Romanian Naval Forces had command of the group in 2005-2006 and 2010-2011.

OPERATION BLACK SEA HARMONY

- OBSH: Operation Black Sea Harmony aims to prevent and combat maritime risks in the Black Sea. Romania joined in 2010 and participated with forces for the execution of the maritime presence and systematic surveillance in the area of its own jurisdiction and with the coastal surveillance system (SCOMAR). 🇷🇴



Moving the boarding group and Special Forces team to a ship to be inspected
Photo: Mihai EGOROV



Frigate King Ferdinand in the Indian Ocean, during the participation in the operation EU NAVFOR ATALANTA 2012
Photo: Mihai EGOROV



June 11, 2013, Black Sea, frigate Marasesti. Ships of the Maritime Task Force during a training at sea
Photo: Cristian VLĂSCĂANU





Plt adj. Marius Apostol - During a patrol on Highway A 1, about 10 km from FOB Lagman, the vehicle they were in passed an improvised explosive device

Roger Waters and the Romanian soldiers



Lt. George Olteanu - During the execution of a patrol mission on the A 1 Motorway, approximately 10 km from FOB Lagman, the vehicle they were in passed over an improvised explosive device.



Wounded Romanian soldiers in Iraq and Afghanistan met with Roger Waters

A group of Romanian soldiers wounded in the missions carried out in the theaters of operations in Afghanistan and Iraq met in Bucharest with Roger Waters, a founding member of the band Pink Floyd, who wanted to invite them to his concert personally. The artist met with the Romanian military behind the scenes of the show „The Wall”, which took place in Constitution Square, to thank them for their sacrifice in peacekeeping operations in these conflict-affected areas. Roger Waters has dedicated his entire career to the fight against violence of all kinds, always talking about his gratitude to the military around the world. „The Wall” is one of the most spectacular music shows, a symbol of freedom for generations of fans around the world.

Photo: Roger Waters credite Titus Tihauan

Capt. Laurențiu Șerban - Following the execution of a patrol mission, the vehicle he was in passed over an improvised explosive device.



Sg. maj. Adrian Crețu - During a patrol mission on the A1 highway, 20 kilometers northeast of Qalat, the vehicle he was in passed an improvised explosive device. Another soldier died.



A new C-27J SPARTAN aircraft for the Romanian Air Force



The sixth short-medium courier aircraft of type C-27J SPARTAN entered the endowment of the Romanian Air Force. It will be equipped for medical evacuation missions (MEDEVAC), being intended for medical and emergency interventions. The presentation event took place at the headquarters of the 90th Air Transport Flotilla, with the participation of the Minister of National Defense, Mircea Dușa, of the Chief of General Staff, Lieutenant General Ștefan Dănilă, Prime Minister Victor Ponta, and Raed Arafat, Secretary of State in the Ministry of Health.

General characteristics:

- Crew: 3 (pilot, co-pilot, loadmaster);
- Transport capacity: 60 soldiers / 46 paratroopers / 36 stretchers + 6 medical staff companions.
- Number: 2;
- Power: 3,460 kW each;
- Propeller: Dowty R-391 six blades;
- Fuel capacity: 12,320 kg.

Dimensions:

- Length: 22.70 m;
- Wingspan: 28.70 m;
- Height: 9.7 m..
- Maximum take-off weight: 30,000 kg;
- Roll the ground to take off: 580 m;

Weight:

- Empty weight: 17,000 kg;
- Take-off weight: 30,000 kg;
- Load (max.): 11,500 kg.
- Climbing time at 20,000 ft: 13 minutes;
- Initial cruising altitude: 9,000 m;

Engines:

- Type: Rolls Royce AE 2100-D2 (Power 4637 SHP);
- Distance: 1,050 nautical miles;
- Service ceiling (max): 9,144 m;
- Cruising speed (max): 300 knots.



Waist Pouch

This bag, which is available in various colors and camouflages, has a very ingenious fastening system. It is provided with an adjustable strap that can be fastened both using the top sockets, thus becoming a shoulder bag, and the side sockets, thus becoming a bag. At the back it is provided with two straps with staple-based fastening so that it can be mounted on the strap, on the backpack, on the tactical vest, etc. In addition to the main pocket, it has two side pockets and one in the front that closes with a zipper. It also has multiple gauges to which you can hang different things using rifles: first aid kits, telescopic poles, self-defense sprays, electric shocks, etc. These are on both the front and side pockets. For extra safety, it is also provided with two fastening straps with plastic triangle closure. The main pocket and the front pocket are very well compartmentalized.



BAG WITH PISTOL HOLSTER INSIDE

A small, discreet shoulder bag that is fitted inside with a detachable pistol holster. It has an adjustable strap, strap accessories and 6 compartments.



Tactical vest

Tactical vest with 12 pockets, available in various colors and camouflages. It has multiple front and side adjustment straps, so it can be worn by anyone, regardless of gender, weight or height. It is provided with 11 spacious pockets that close with velcro, buckles or zippers, ideal for magazines, pistols, first aid kits, radio stations, etc. In the back there is a larger pocket that can be used as a backpack or in which you can easily carry a water tank.

Assault Backpack

A multifunctional backpack, which can be used for expeditions, city, work, etc. Assault backpacks are available in two sizes, 30 and 45 liters, and in various colors and camouflage. Thanks to the Molle system they are equipped with, you can customize them according to the activity you have to perform, attaching pockets of various sizes to them. The backpack has two large compartmented pockets and two small ones on the front that close with a zipper. To make it easier to carry the water tank, it has a special compartment at the back, made of breathable material. At the bottom are two fastening straps, which you can easily use if you have to carry a sleeping bag, an isoprene or a tent.



www.kaki.ro

AeroNautic Show

Mill Lake

2013

Romanian army

Romanian Army soldiers participated in the „AeroNautic Show Lacul Morii 2013” festival with a program in which the public could watch performances of the Army Representative Music and the „Doina” Army Ensemble, weapons handling exercises of the 30th Guard Regiment „Mihai Viteazul”, parachute jumps and their recovery.

Those present could also see the exhibition of the National Military Museum „Ferdinand I” with the theme „Aurel Vlaicu - Broken Flight 1913-2013”.

Also, visitors could participate in seafaring games, climbing and funicular crossing exercises, they could visit the specially arranged stands of the army force categories, with the military technique used in the theaters of operations, the trophy window of the Army Sports Club „Steaua” Bucharest.

Those interested in pursuing a career in the military system were able to obtain information about the recruitment process in the Romanian Army.



ISU Bucharest

The Inspectorate for Emergency Situations „Dealul Spirii” of Bucharest was present at the AeroNautic Show with a show consisting of aerial and nautical acrobatics, demonstration exercises, as well as an exhibition of aircraft and equipment. The Special Rescue Group within ISU Bucharest organized a demonstration exercise, which had as a scenario the recovery, by a crew of divers, of a parachutist who drifted and arrived in Lake Morii. The victim, once brought ashore, was taken by the mobile intensive care unit for medical care and transported urgently to the nearest hospital.

Those interested in the equipment of the Bucharest Fire Brigade, could see, during the exhibition organized on the occasion of this event, the following technical means: water and foam extinguishing truck, first aid and release, rapid intervention truck and high extinguishing efficiency, special vehicle of the first intervention and command, special diving truck and Mobile Intensive Care Unit.



Special Intervention Brigade of the Romanian Gendarmerie

Fighters from the Special Intervention Brigade „Vlad Țepeș” of the Romanian Gendarmerie presented a demonstration exercise and an exhibition stand with the technique, equipment and materials, as well as a workshop to present the service horses.

Lake Morii was the scene of complex exercises carried out in cooperation with the General Aviation Inspectorate of the Ministry of Internal Affairs. The divers of the Special Intervention Brigade performed helicopter battle jumps, boat jumps, demonstration shots with maneuver ammunition, from the water level, on different naval or terrestrial targets, special, precision shots, with fire marking ammunition on some targets on the surface of the water. The tension was maximum at the end of the exercise, when the combat divers were recovered from the water by the helicopter that had a recovery rope attached.



Black Sea Rotational Force in the BISTRITA GARRISON

text: Locotenent Iulian Dămăcuș
photo: Dan Boban



In October 2013, the soldiers of the 812th Infantry Battalion „Bistrita”, from the 81st Mechanized Brigade „General Grigore Bălan”, participated in a joint training camp, with a detachment of American soldiers, in the training grounds and training grounds in the Bistrita garrison.



The joint action of the Romanian military represented a planned training stage in the multinational exercise „Black Sea Rotational Force 2014.1 (BSRF-14.1.)”, Carried out in Romania, together with the soldiers of the Marine Corps (MARFOREUR) of the United States of America.

On Monday, October 7, starting with 09.00, on the plateau of the 812th Infantry Battalion „Bistrița”, took place the festivity of the beginning of the second stage of the multinational exercise „Black Sea Rotational Force 2014.1 (BSRF-14.1.)”, Festivity which was attended by over 250 Romanian soldiers and 30 American soldiers.





The activity started with the receipt of the report by the commander of the 812th Infantry Battalion „Bistrita”, Colonel Cornel Scurt, a review of the troops participating in the festivity, a welcome speech by the battalion commander, visiting the barracks and presentation of combat equipment, weapons and endowment materials.

On Wednesday, October 9, in the Orchard Automated Range, the soldiers of the 812th Infantry Battalion „Bistrita”,



together with Marines of the Marine Corps of the United States of America, carried out an exercise with gunfire in the multinational exercise „within the multinational exercise” Black Sea Rotational Force 2014”.

Both the Romanian and the American servicemen carried out combat shootings, with the weapons from the endowment of the partners present at the training. Shootings were also carried out with the subunits’ fighting vehicles, namely the Zimbru armored amphibious transporter and the HMMWV armored vehicle.

On Thursday, October 10, in the Dorolea Polygon, the military performed a tactical field training exercise, using a complex scenario that allowed the implementation of many common techniques, tactics and procedures. The way in which the exercise is planned and executed, aims to increase the interoperability between the two armies, in counterinsurgency operations, operation with common procedures and training in an environment close to the multinational operational framework specific to the theater of operations.



Capt. Adrian Enache explains to the Afghan military what to do if a DEI is discovered

text & photo: Major Adrian Gitman

The „Black Wolves” are training Afghan Security Forces

It is a year and a few months before the announced withdrawal of the coalition forces from Afghanistan. The future of this country will depend on how its security forces and state institutions will succeed in ensuring a stable and favorable environment for social, economic and administrative normalcy. In some parts of Afghanistan, this is succeeding, in others the actions of the Taliban insurgency are still causing many casualties and causing chaos.

Afghan security forces are under constant pressure to confirm or disprove their ability to meet challenges. To withstand this pressure, the military, police, or representatives of other militarized institutions must continually develop their training.

The „Black Wolves” of the 151st Infantry Battalion also contribute, in their area of responsibility in Zabul province, to the training of Afghan police forces. At the Mescall base of operations, the Romanian military in partnership with the Americans, organized

and conducted a course for Afghan police on counteracting improvised explosive devices, the most common threat in the theater of operations. In the first part of the course, the specialist on EOD (explosive ordnance disposal) issues, Captain Adrian

Enache and the Afghan military conducted a case study on a real situation in the area. The Romanian officer explained to the Afghan police what they did well but also where they did wrong, and explained the correct procedure in such incidents.

The training module continued with a practical part in which the students had to identify possible improvised explosive devices in a frame drawn by the organizers. Adjutant platoon leader Florian Negoescu explained to the Afghans the clues by which improvised explosive devices and the procedures to be followed in such incidents could be identified.

At the end of the course, the

Afghan police officers had to pass an exam in which each of them managed a situation created by the instructors. The ANP (Afghan National Police) soldiers proved a real practical sense and a huge capacity to assimilate knowledge, managing to pass the final test without problems. They received from the deputy commander of the 151st Infantry Battalion, lieutenant-colonel Gabriel Turculeț, participation diplomas in recognition of the progress made following this training. „During the missions in the area of responsibility, we spend a lot of time with the Afghan police forces. To increase their level of training, we organized this course in agreement with the

local authorities. The Afghan military has responded positively, they are excited to work with us, they want to learn from us, and they are becoming more and more aware that in the future they will have to manage the problems themselves, which gives them a special impetus to gain knowledge. successful missions,”- said Lieutenant-Colonel Turculeț.

„This course has increased the confidence of the Afghan police forces in their own possibilities. Their life experience compensates the lack of specialized equipment, knowledge of the terrain and courage „- said the officer responsible for cooperation with Afghan structures, Major Marius Dascălu.

Revista Fortelor Terestre



Plt.adj. Florian Negoescu shows the ANP forces how DEI can be identified

TRIBUTE



Two Romanian soldiers, members of the Naval Group of Special Operations Forces, died on the evening of September 22, following an attack with an improvised explosive device, during the execution of a combat mission in Eastern Afghanistan. Following the explosion, the two seriously injured soldiers were evacuated by air, with a MEDEVAC helicopter, to the military hospital in Baghram where, despite all the doctors' efforts, they died.

Third-class warrant officer Vasile Claudiu Popa, 28, was married, on a second mission to Afghanistan, and an employee of the M.Ap.N. since 2006. It was decorated with the Emblem of Honor of the General Staff, the NATO Medal article V, and the Emblem of

Honor of the Naval Forces.

Plutonier Adrian Postelnicu, 34, was on his first mission to Afghanistan and was an employee of the M.Ap.N. since 2009. It was decorated with the Emblem of Honor of the Naval Forces. The Romanian military from the Special Operations Forces operates within ISAF, in the eastern part of Afghanistan.

The Minister of National Defense, Mircea Duşa, signed the orders to advance to the rank of post-mortem lieutenant of lieutenant Adrian Postelnicu and of the 3rd class military foreman Vasile Claudiu Popa, who lost their lives under the colors of the National Flag, during the execution a combat mission in the theater of

operations in Afghanistan. Also, the Minister of National Defense submitted to the President of Romania the proposal to decorate the two post-mortem officers with the National Order „Star of Romania” in the rank of Knight, for the military, with the sign of war.

The dead bodies of post-mortem lieutenants Vasile Claudiu Popa and Adrian Postelnicu were repatriated by a Romanian Air Force military aircraft on September 25 to the 90th Air Transport Flotilla in Otopeni during a military and religious ceremony, in the presence of the Minister of National Defense, Mircea Dusa, and the Chief of the General Staff, Lieutenant General Ştefan Dănilă.

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