



#01

TACTICA

magazine

SIAS's Snipers

**BALLISTIC TESTING OF
THE FIRST 8x8 Romanian
ARMORED PERSONNEL CARRIER**

**Romanian
Aviation and
Air Force Day**



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EXPOZITIE INTERNATIONALA PENTRU ECHIPAMENT MILITAR

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About unique things and people

While gathering the materials for this first official issue of the magazine, I had the opportunity to discover both people and things less known.

The magazine starts with the story of one small group of elite shooters from SIAS that I accompanied to their training to see why they are known as being the best. Ingenuity, passion, patience, and hard work; these are the words that could reflect the few hours spent with snipers.

Much more 'hidden' than snipers are the military from the Center for Testing Evaluation and Scientific Research for Armaments within the Research Agency for Military Technology and Technologies. And not because that would be a requirement of their profession, but because the research has no "public outlet" and sometimes no money. At the beginning of July, they performed the ballistic tests for the first Romanian 8x8 armored Personnel Carrier - 8x8 TBT. This mines protection solution reaches a level that is a novelty for Romania and for several NATO countries that are not manufacturers of armored personnel carriers. Another novelty is the fact that the obtained vehicle is quite light, which allows a maximum payload of 3 tons and ensures a buoyancy reserve. The other cars do not provide a level of protection 3b and being able to float. At this moment, the first Romanian 8x8 TBT can be manufactured if the necessary financial investments are also made.

I also discovered that a lot of small good things could amount to big achievements, and the best examples are SMURD and IGSU, which received two special vehicles and even by plane, with the help of millions of small donations.

And last but not least, I celebrated with the Romanian aviators, an occasion that allowed me to mark a personal 'first time': my first flight with a C-27J Spartan military plane.

Marcella Dragan



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The Battle Flag awarding ceremony to the General Aviation Inspectorate from the Ministry of Interior



During the event, Minister Radu Stroe handed the Battle Flag to the Inspector General of the GAI, Brigadier General Dorel Gradinaru.

„Officers, petty officers, and non-commissioned officers, at

this festive moment, I personally thank you for what you are doing for the benefit and help of the people, and I congratulate you on receiving the Battle Flag,” Minister Radu Stroe told the staff of the General Aviation Inspectorate. At the same time,

the Minister of Internal Affairs underlined the importance of the missions carried out by the MIA pilots, underlining the importance of those carried out in cooperation with SMURD to ensure the emergency medical intervention.



In the presence of the Minister of Internal Affairs, Radu Stroe, took place the Battle Flag awarding ceremony to the General Aviation Inspectorate (GAI) of the Ministry of Interior.

„Last week, I participated, along with many of you, in the reception of the first medical plane that joined the existing fleet, consisting of 15 helicopters, and which yesterday, on its first mission, contributed to saving a human life,” said Minister Stroe.

The MIA official also highlighted the significant contribution that the General Aviation Inspectorate has in carrying out the missions of the minister, showing that, „in five years, the pilots and staff of this institution have earned, with each completed task, its own identity and role in the Public Order System of the Ministry of Internal Affairs”.

The event was also attended by Secretary of State Constantin Chiper, representatives of the central and subordinated structures of the Ministry of Interior, as well as of the central and local public administration authorities.

The Battle Flag is a symbol given to the MIA’s pilots for the courage and devotion they showed in the missions executed both in the country and abroad. The Battle Flag has a tradition of over 150 years, the first being conferred by Prince Alexandru Ioan Cuza, in a ceremony held on September 1, 1862. Along with the National Flag, the Battle Flag is carried in all international missions, representing a symbol that the Romanian military is proud of and through which they identify.



The FIRST SMURD medical plane



The Foundation for SMURD, in collaboration with the General Aviation Inspectorate, presented, at the base of operation of the AIBB „Aurel Vlaicu” International Airport the medical plane destined for SMURD.

The SMURD Foundation started at the beginning of 2011 the „2% for SMURD - Help us to shorten distances to save lives” campaign. The funds resulting from this campaign, of approximately 1 million euros, were used to advance the aircraft's acquisition. With the help of a sponsorship contract for the rest of the funds, it entered the patrimony of the General Aviation Inspectorate of the Ministry of Internal Affairs at the end of June.

At the event called „Operating the medical plane for SMURD” were presents Prime Minister Victor Ponta, Interior Minister Radu Stroe, Defense Minister Mircea Dusa and Secretary of State in the Ministry of Health Raed Arafat,

representatives of the country's emergency inspectorates, and the young volunteers who participated in the fundraising and received recognition diplomas at the inauguration ceremony of the aircraft.

„Each time I have the opportunity, I want to pay homage to those who built SMURD, who made this service absolutely essential for the daily life of Romanian citizens, to be efficient, to evolve, always to have superior possibilities. Especially today, I

wanted to emphasize a special moment, a moment in which this plane is the result of the effort not of the Government, not of the state - as we have always become accustomed to the state to do everything - but of the citizens of this country. And it is, even more, to be appreciated that each of those who donated to buy this plane, practically, participates in the SMURD effort ...” said Victor Ponta. The prime minister also thanked ministers Stroe and Dusa for their speed in completing the formalities for



pilot training. „Dr. Arafat said we hoped we wouldn't need him. Unfortunately, we will need it and, fortunately, I am convinced that it will save lives and help. I am also optimistic that it will not be the only plain 112. The Minister of Defense informed me that soon we will have that sixth Spartan plane, the one equipped for medical emergencies. This means that we are slowly starting to build the infrastructure that we really need”, the prime minister continued.

Minister Radu Stroe appreciated the way in which the SMURD project, based on a foundation provided by the two military components of the Ministry of Interior, IGSI and IGAv, has become an effective tool for saving lives. The minister also specified that, out of the 5,000 flight hours performed last year by the Ministry of Internal Affairs pilots, over 3,200 were dedicated to SMURD missions.

The plane was brought from Austria, where it also functioned as an ambulance plane, is equipped for emergency interventions, and will take over the interventions that were now carried out with a rented aircraft. After the purchase, the aircraft was subjected to

maintenance and updating of flight resources in order to be operable in optimal conditions. The Piper PA-42 Cheyenne III aircraft, manufactured in the USA, was purchased in 2012 as a used aircraft with 5,500 flight hours and is equipped with new medical equipment according to European standards in order to carry out humanitarian rescue missions of patients in serious condition, free of charge for the entire population, during the day and night in complex weather conditions. The SMURD aircraft is more efficient by reducing the time; it is safer in case of unfavorable weather conditions and allows the execution of missions that cannot be performed with SMURD helicopters.

The plane is served by three crews of two military pilots each, who were transferred from the Ministry of National Defense to the structure of the General Aviation Inspectorate of the Ministry of Internal Affairs in autumn 2012.

The aircraft will start operations on July 15, 2013, being available 24 hours a day and seven days a week, except for overhaul periods. The aircraft can fly at a maximum altitude of 10,000 meters, have a range of 3,000 kilometers or

about five hours, and reach a top speed of 560 km/h. It has a length of 13.23 meters, wingspan - 14.53 meters, height - 4.5 meters, and capacity for two pilots, two medical staff, and two stretchers (medical variant) or two pilots and nine passengers (passenger transport). The SMURD Foundation is trying to purchase a second aircraft of the same type so that the aeromedical activity will not be interrupted in the future if one of the two aircraft is under revision.

For the acquisition and operationalization of the aircraft was allocated the budget of 1,008,255 euros, representing the purchase value, which includes the aircraft with existing resources, improvement works, two medical stretchers, aircraft registration, training courses of the team of technicians from IGAv that will provide basic maintenance of the aircraft, the purchase of all service kits necessary for the team of technicians, the provision of aircraft, training courses for the pilot team with at least 15 flight/ pilot hours for the six pilots and the cost of the instructor and obtaining licenses necessary and medical equipment necessary to provide intensive care during the flight.



The aircraft is named after Dr. Monica Cardos, the first SMURD doctor who fell on duty following the crash of the SMURD Mures helicopter, a sign of gratitude for all those who fell on duty.

Monica Cardos
Medic SMURD
(1970-2003)

SIAS's Snipers



They are considered to be the best policemen, and a few hours with SIAS's small sniper unit gave me the chance to see why they have been named this way. In spite of the job's reputation, training has nothing spectacular at first glance, and those who expect scenes from some American film will be disappointed because the shooting session is quiet, as quiet as it can be when you are surrounded by gunfire.

text & photo: Marcella Drăgan



The day began with a long drive to a „secret location“, as it would be jokingly called. I'm not offered too much information about the program of the day, but the first clues about what is going to happen appear in the form of few steel plates, a reason for joy and praise for the four shooters I accompanied. They have to be particularly inventive when it comes to their job because traditional polygons don't offer them good conditions for training, so the metal plates with chord pieces were the way they solved the problem of the targets.

The experience of the team's leader speaks out, he chooses the place where the steel

plates are mounted and, as I will see over the course of the day, has taken care not to do the job easy for all the snipers, including himself. Placed in the open field, a little above the grass, the targets are hard to see, and if you do not know where to look, you can hardly spot them in the distance.

Training starts with Glock pistols. The SIAS snipers are not just elite shooters but also have the same duties as the rest of the





aiming for the targets placed at 120, 508, and 740 meters.

Now they really start their training; now even the smallest thing can make a big difference, now they count in a lot of elements: the direction of the wind, its power, the outside temperature, the type of ammunition used, the mirage, the light, even the clouds that pass over us. They rely on the ballistic program that each sniper knows, and the corrections are

fighters, and when their support is no longer necessary or the configuration of the field does not allow the use of snipers, they join the intervention team. For this, they train first with the small arms that the rest of the team uses. The pistol training It is also the first



made according to each of these elements. The paper sheets with the program values are rarely reviewed; changes are made mentally, automatically, each change leading to the restoration of calculations.

test of the new targets, which, through the sound produced when the bullets hit them, clearly confirm that they have been touched. The next firing session is with the HK MP5 submachine gun, but the session is short as the fighters are here to train with the long guns. The pistols are replaced by the SSG 3000, and the snipers occupy their places by aligning their weapons and



However, some elements become true enemies. Now the target is no longer a steel plate but a figurine, a bit larger than a coin, drawn on paper and located at 120 meters. It has eyes, mouth, and nose and must be identified from the other 20 faces on the A4 page and hit in less than one minute, a competition test.

In the small group, no one moves; the four shooters are focused on



identifying and hitting the targets. I can hear, cushioned by the earmuffs, each fired shots and the few words exchanged between snipers. There are strange words for those who are not part of their world, short indications of how they fired and how to shoot: MOA, click, deviation, hour one ... but the loudest I can hear is „I hit it, did you heard it?“, referring to the sound produced by he steel



Technical data

Weapons: Glock pistol, HK MP5 / A5 submachine gun, SSG 3000 rifle

Target distance and dimensions:

Glock 17 and HK MP5 / A5 = 15 m

SSG 3000 = 508 m (target 20 cm), 740 (target 40 cm), 120 m (figurines)

targets when touched by the bullet. They keep this position for tens of minutes, despite the sun that raises the temperature to above 30 degrees. Few minutes, compared to the hours spent by some of them on a mission.

On return, once recovered, each target is analyzed, and some traces left on metal are recognized: „here is where I shoot, it was too to the right“. For them, everything is a new opportunity to learn.



SIAS

Appeared in the structure of the Romanian Police in 1993, SIAS was founded within an incipient nucleus to fight against organized crime, becoming an independent and fully operational unit in 1995. SIAS showed flexibility and permanent adaptation to the institution's operational needs, proving its utility in hard cases when the fighters made

the difference between success and failure of a mission. The test of the professional maturity of SIAS was successfully passed in April 2007, when the European vocation of SIAS was established by including it in the elite group of the special intervention units of the police of the Member States of the European Union - the „ATLAS“ Group.

SIAS is the main intervention formation within the Romanian Police, with general territorial

competence. It has intervened in the release of hostages, in cases of kidnapping or illegal deprivation of liberty and for catching and immobilization of persons who oppose legal measures by violence or use of fire weapons, explosive, toxic or dangerous substances, or other destructive means. It also organizes and permanently carries out support activities, guidance and control of all Rapid Intervention Services within the Romanian Police.



Between September 26-29, 2013, the ROMEXPO Exhibition Center will host the eighth edition of the International Exhibition of Military Equipment - EXPOMIL 2013.

Since 1999, the expo is part of the circuit of international events in the field of defense and is organized by Romania every two years. Romexpo SA is involved in the development of EXPOMIL 2013 together with the Ministry of Economy, Ministry of National Defense, Ministry of Internal Affairs, Ministry of Foreign Affairs, Ministry of Justice, Romanian Intelligence Service, as well as the Romanian Employers' Association of Military Equipment Producers - PATROMIL and the Employers' Organization Romanian Aeronautics - OPIAR.

Inside the Central Pavilion will be presented military systems and pieces of equipment from the National Defense System, Public Order, and National Security forces, manufactured by companies in the Romanian defense industry as well as foreign companies.

International EXHIBITION of Military Equipment EXPOMIL

The program for visiting the exhibition is as follows:

September 26-28, 2013, between 10.00-18.00

September 29, 2013, between 10.00-16.00

The first two days of EXPOMIL 2013 are dedicated to specialists

The entrance ticket is 15 Lei.



ISU Bucharest Has a new SPECIAL VEHICLE FOR QUICK INTERVENTIONS

The Inspectorate for Emergency Situations „Dealul Spirii” of Bucharest presented the new special vehicle for quick interventions and high extinguishing efficiency during an event that also included a demonstration exercise. Thus, in order to highlight the technical-tactical characteristics of this truck, were extinguished two successive fires fed with different combustible materials.

The special vehicle was developed as a concept by specialists from the inspectorate, focusing on fast movement and short-term implementation of the intervention device. It has outstanding firefighting capabilities in urban areas, as evidenced by tests conducted by Bucharest firefighters.

The high extinguishing capacity is achieved by the special equipment on the truck, using extinguishing substances of low viscosity, and the ultra-high-pressure pump. The truck also has high maneuverability,



given the high ground clearance and the ability to connect both axles (4x4), ideal features for interventions on crowded or narrow streets, which do not allow access to trucks with large dimensions.

„The truck presented today was designed for firefighting operations in crowded urban areas and narrow spaces, where classic, oversized trucks, I mean here in width and weight, can not penetrate. The benefit of this truck comes from the fact that the chassis is not very wide and can carry 500 liters of water and 30 liters of foam, achieving an increased extinguishing efficiency, the equivalent of 4 tons of water discharged at a normal extinguishing pressure of 8 bars. It is not a high gauge car; it can enter narrow spaces, crowded areas, the historic center, for example,” said the chief inspector of ISU Bucharest, Stelian Dudus.

„In our turn, we are glad that we can put the Ford Ranger truck at the service of the ISU teams. The fire brigade will be ready at any time to come to the aid of the people of Bucharest, taking into account both the safety of the team, but especially the safety of the cities ...,” said Vlad Ionescu, marketing director of BDT Ford, who offered the car.



„The company SC Romturingia SRL joined the initiative to transform a pick-up truck into a special vehicle for Bucharest firefighters. It was a challenge that we accepted. We successfully managed to equip the vehicle with special fire extinguishing installations, which proved their efficiency during the tests performed. We are glad that we were part of this project and that starting today, ISU Bucharest benefits from a special vehicle based on a new concept of intervention, which it will use for the benefit of the community,” said Stelian Ion, director of Romturingia.

The new Ford Ranger has been transformed into a fire truck with the following technical specifications: high pressure pumping unit (170 bar), 500 l capacity tank, and 30 l foam liquid tank. The truck is equipped with prevention and fire extinguishing equipment, high-pressure hose wound on the drum: 50 ml, water supply hose of the tank directly from different sources, discharge gun that allows the regulation of flow and pressure with the possibility of switching between water discharge or foam discharge.



Ballistic testing of the first 8x8 Romanian Armored Personnel Carrier



Between May 30 and June 5, 2013, took place in the Army Testing Polygon, the testing and evaluation of the level of protection against mines of the first 8x8 Romanian Armored Personnel Carrier (TBT 8x8). The project is a partnership between the Ministry of National Defense, represented by the Research Agency for Military Technique and Technologies - ACTTM, and CN Romarm SA, represented by the Moreni Automechanical Plant, carried out on GD 395/2011.

photo: ACTTM



The ACTTM's Armament Scientific Assessment and Research Testing Center developed the virtual prototype of the carrier and provided protection to mines in the form of a ballasted armored casing. Executed by UA Moreni, the carcass was tested by real firing in the polygon, with remarkable results. The solution for the protection against mines up to NATO standards is the subject of a patent application of the team of ACTTM specialists.

As the members of the team that worked on this carrier said, given the outstanding results obtained - the critical point of the project-, now it can proceed to the next step and equip the prototype with driveline elements (engine, gearbox, axles, etc.), the weapon system, communications and informatics systems, with no obstacles, none from the point of view of research and development, regarding their integration on the vehicle.

Thus, under the conditions of ensuring adequate financing, the first 8x8 Romanian Armored Personnel Carrier can be made to NATO standards, with performances similar to the latest generation products existing worldwide.

Until now in the program, the elaboration of the development specifications was completed, the technical project was executed, the virtual prototype was made, and simulations of maneuverability, ballistic protection, buoyancy, shock calculation model, and vibrations. A first ballast casing was created to test the protection to mines. An additional putty for bullet protection was integrated, and the testing was done - the preliminary evaluation for the first casing. A total of two carcasses were made; the second was tested in early June.

The configuration of the carrier allows it to be included in the specific parameters for this type of 8x8 armored personnel carrier. Variants were made for the entire driveline and various subsystems until the optimal variant was found to achieve all the parameters required by the NATO specifications.

Tests were made for the selection of the bullet-resistant armor from several types of armor steel existing on the market. Comparative tests were made between the impact energies and the remaining energies, and an optimal variant was found that will be economically viable. The

possibility of processing and adding in very good conditions the additional armor that raises the basic level of protection of the car to bullets has been shown.

At the moment, TBT 8x8 provides the following levels of bullet and mines protection, according to NATO standards (STANAG 4569): level 2 KE of bullet protection (without equipment with additional armor), level 3 KE of bullet protection (equipped with extra armor) and level 3a (under the wheel) and 3b (under the chassis) of protection to mines in terms of the resistance of the housing to shock wave and shrapnel. It should be noted that the biomechanical response of the human body was not monitored, a step that will be performed on the next model. The necessary equipment is costly and is done at a later stage, after making sure that no explosives or shrapnel enter the passenger compartment.

The researchers have tried to use materials that are existing on the market, which do not have to meet special requirements for procurement, in principle not prohibited from being sold. For the chassis that was detonated now, a previous simulation was performed with a simplified

virtual model. The simulation of the whole car is an element of novelty for Romania because all the constructive parts of the car are included.

For the physical test to be performed, some preparations were required and were done over the previous ten. In order to meet the strict requirements

are not manufacturers of armored personnel carriers.

There are now the premises for making a carrier because there is the solution for armor, at a level of protection higher than the requirements.

The practical realization of the carrier can be done, considering

protection 3b and are also floating. This buoyancy reserve allows the carrier to float in good condition and be maneuverable.

It is a large machine, which can be configured in medevac, bomb thrower, evacuation tractor, can be configured in any variant, there are no restrictions, can even be equipped with a 120 thrower.



of STANAG for mine protection, the transport was put in position, all the dimensions and loads to be included in the test report according to STANAG were measured recorded, the soil was saturated according to the requirements, for the standards of the chosen according to the standards of the chosen explosion, the trinitrotoluene. A reference explosion was made, with 8 kg of TNT, without the machine, for calibration and checking the speed of the shock wave and the speed of various particles. The data was used to calibrate the simulation. The level of protection reached now is a novelty for Romania and for several NATO countries that

that there are several solutions and combinations of driveline, armament, and other elements to equip the carrier. Furthermore, with the ballistic protection solution, if there is funding, it is possible to proceed to the realization of the prototype that will run on wheels, go through dynamic tests, be equipped with a turret and other elements specific to a carrier that were all waiting for the ballistic solution.

A fairly light machine was obtained, which allows a maximum payload of 3 tons and also ensures a buoyancy reserve. Here is the novelty part because all the other carriers do not provide a level of



Research Agency for Military Technology and Technologies

The Research Agency for Military Technology and Technologies - ACTTM is composed of five scientific research centers, each based on a specific specialty: the center for testing, evaluation, and scientific research for

armaments; the center for testing, evaluation, and scientific research in the field of communications and informatics; the center for scientific research for NBC and ecology; the center for scientific research for naval forces; and the center for scientific research and testing, evaluation and flight

testing. All these respond to the need for scientific research of the Ministry of National Defense, based on the requirements issued by the categories of forces and achieve both the independent development of products and the integration of equipment to make a product.



Romanian Aviation and Air Force Day



The Romanian military pilots celebrated on July 20, under the patronage of their protector, the Holy Prophet Ilie Tesviteanul, the Romanian Aviation and Air Force Day. On this occasion, open days and air shows were organized in some garrisons where the air fleets are based.

text & photo: Marcella Drăgan



In Bucharest, the ceremonies began at the Monument of the Air Heroes, where wreaths were laid in memory of all military and civil aviation heroes, and continued at the 90 Otopeni Air Transport Flotilla „Gheorghe Banciulescu” with an Open Day event

The program prepared during the Open Day at Flotilla 90 Otopeni Air Transport started with an overflight of one IAR-330 helicopter with the national flag of Romania, followed by an overflight of 3 IAR-330 helicopters with a smoke flag. A particularly appreciated moment was that of the solo evolution of the IAR-330. This was followed by the vertical crossing of an IAR 99 SOIM aircraft painted in the national flag colors, an overflight with 3 C-27J Spartan aircraft. Another highly anticipated and appreciated moment was the recreational flights for family members of military personnel, visitors and the journalists who had winning tickets to the raffle organized for this purpose, with the C-27J Spartan aircraft. Until the moment of the flight, those present could see in the static exhibition an IAR-330 VIP helicopter, an IAR-330 MEDEVAC, an IAR-330 CARGO, 57 mm anti-aircraft artillery pieces, a launcher with three HAWK missiles, a Gap radar Filler TPS-79R and were able to find out what the educational offer of the air force is.



Flotilla 90 Air Transport

The archive documents certify that the year 1949 was for the military transport aviation, the year of the establishment of the first unit, respectively, the 49th Transport Aviation Regiment. In 1971 a special squadron was established, which in 1972 was transformed into the 50th Aviation Transport Flotilla. Over the years, the two units underwent structural transformations, and between 1986-1988, the two structures were unified into the 50th Aviation Transport Flotilla, later separated again in 1990 into the 50th Aviation Transport Flotilla, equipped with IL-18, Boeing 707, BAC 1-11 and IAR-330, MI-8, MI-17, SA-365 helicopters and the 99 Aviation Transport Group, equipped with AN-24, AN-26, AN-30 airplanes, and helicopters: IAR-316, MI-8.

Since 1995, the organization of this unit has been changed, establishing the Air Transport Base 90, and in 1996 it received the name of Air Transport Base 90 „Commander Aviator Gheorghe Banciulescu”. In addition to the types of aircraft presented above, starting with October 25, 1996, the military transport aviation took a step towards achieving interoperability with NATO forces by equipping it, for the first time in the country, with 2 (and later other 2) C-planes 130, which doubled the transport capacity and the range.

In October 2004, the Titu Helicopter Regiment was transferred to Base 90 Air Transport, bringing IAR 330 PUMA SOCAT helicopters. The unit also has an aeromedical evacuation capability (MEDEVAC).

The current mission of the unit is to carry out the air transport of personnel, equipment and materials and support for the benefit of the Air Force and other elements of the National Defense System, both in the national airspace and in crisis or conflict areas, within missions under the mandate of the UN, the OSCE or NATO.

From July 1, 2010, Base 90 Air Transport was renamed Flotilla 90 Air Transport and is equipped with the following types of aircraft: AN-24, AN-26, AN-30, C-130 Hercules, IAR 330 PUMA SOCAT, and IAR 330L.



MILITARY Transmission Day

July 14 marked the 140th anniversary of the establishment of the first transmission subunit of the Romanian Army - the telegraphy section within the mines company of the Genius Battalion. This was the birth certificate of the transmission troops.



photo: Valentin Ciobîrcă



photo: Eugen Mihai

The Minister of National Defense, Mircea Dusa, and the Chief of General Staff, Lieutenant General Stefan Danila, participated in the ceremony held on the occasion of the Day of Military Transmitters and the celebration of 140 years since the establishment of the communications and information weapon, which took place at the Center 48 Strategic Communications and Informatics.

„I want to congratulate the broadcasters on their birthday on the occasion of celebrating 140 years of military telecommunications. The military radio operator fulfills missions

in the theaters of operations and has an important role in all the actions of the Romanian Army, having systems compatible and interoperable with those of our NATO and EU allies”, declared Minister Dusa.

At the festivity, the Minister of National Defense, Mircea Dusa, decorated the Battle Flags of the Communications and Informatics Command and of the most representative units of communications and informatics, with the Emblem of Honor of the Romanian Army.

Also, the new headquarters of

the Museum of Communications and Informatics was inaugurated, the largest of its kind in Europe. In the context of the activities occasioned by the celebration of the Day of Military Transmissions, the National Bank of Romania put into circulation, for numismatic purposes, a set of three coins (gold, silver and copper tombac) dedicated to the 140th anniversary of military telecommunications, and The Communications and Informatics Command exhibited in the new museum a philatelic map on the theme of this event, as well as two updated representative books on the history of the weapon.





Police Cars equipped WITH SPECIALIZED TECHNICAL equipment

In the presence of the Chief of the Romanian Police, Chief Quaestor of Police Petre Toba, took place on the A2 Bucharest - Constanta Highway, the presentation of two trucks equipped with the technical equipment necessary to perform complete checks specific to real-time police work on location.

Following a partnership with Microsoft, one of the radar police cars, was additionally equipped with a tablet PC with 3G / UMTS connectivity, as well as with an automatic number plate recognition (ANPR) system. The same partnerships led to the development of the Romanian Police's computer system to support the secure connection with mobile terminals.

Using the Tablet PC with a GSM data modem, the connection is made with all the applications of the Romanian Police or other MAI structures, thus being performed real-time verifications on location.



The operation of the system will help decrease the reaction times in case of traffic events, the police having the possibility to transmit or receive online information on the spot, without having to travel to the nearest headquarters or contact the dispatcher in the area of competence. Through the device, the current activity reports will be implemented in the SNRI, without the need to travel to the headquarters of a police unit.

Also, the respective vehicle is equipped with the system of automatic recognition of registration numbers (ANPR), which allows the monitoring and

surveillance of traffic and the identification of vehicles that are under a certain record. With the help of this system, it will be possible to identify the cars reported as stolen, the system automatically performing checks in the database of stolen vehicles. Until now, the system was used only on DN1, being mounted on fixed cameras.

By means of a camera mounted on a tripod on the side of the road, the registration numbers of the cars are read, and then, with the help of an application, are automatically checked in the database of stolen vehicles.

The system allows the detection of the country code, saving the image with the detected vehicle either as an image file or directly in the database, together with the information associated with the detection (surveillance camera number, date and time of detection, detected registration number).

The truck is equipped with a mobile radio station in TETRA standard that allows the realization of voice communications between road patrols, respectively, and between field patrols and dispatchers. Through this system, checks can be performed in the databases in case the data connection related to the PC TABLE does not work, thus ensuring redundancy. At the same time, the backup of the TETRA standard communication system is provided by the VHF mobile radio station.

The second special vehicle is additionally equipped with the TachoScan device that allows the automatic reading of data recorded by electronic tachographs, thus being able to verify compliance with the legislation on driving and rest times. The device enables a significant reduction in the time required to perform checks specific to police work and issues detailed reports on the data it has recorded.





Heroes never die

On an ordinary Thursday, July 11, nothing predicted anything tragic. However, a call to emergency number 112 announces that two workers were trapped under a collapsed wall of soil in the city of Fetesti.



Immediately, the firemen of the Fetesti Intervention Guard, from the „Barbu Catargiu“ Emergency Situations Inspectorate of Ialomita County, left for the mission with the idea of saving the two men.

The crew, led by the master sergeant Cisloiu C. Dumitru, arrives at the place of the work accident and prepares to intervene. Together with the post-mortem lieutenant Boitan Gabriel, the master sergeant enters the ditch to begin the excavations of the two men captive. After only a few minutes, a second wall falls and, unfortunately, surprises the two firefighters who do not manage to escape.

The whole rescue operation suddenly turns into a tense situation in which every second counted. Fellow firefighters are urgently beginning work on saving all four now trapped under earth. Master sergeant Cisloiu C. Dumitru was engulfed by the soil close to his chest, but, unfortunately, the post-mortem lieutenant Boitan Gabriel, was entirely swallowed by the ground.

The master sergeant managed to save himself, but nothing could be done for their colleague; at the time of his removal from the ground, the firefighter was unconscious. Despite desperate attempts by SMURD colleagues to stabilize him, fate decided to take a hero to heaven, with the post-mortem lieutenant Boitan Gabriel being declared dead shortly after.

Today, almost two weeks after the tragic event, in the presence of Secretary of State Constantin Catalin Chiper, the „Emblem of Honor of the General Inspectorate for Emergency Situations“ was handed to the master sergeant Cisloiu C. Dumitru. The event took place at the headquarters of the Inspectorate for Emergency

Situations „Barbu Catargiu“ of Ialomita County. Today's festivity was attended by representatives of the Ministry of Internal Affairs and county and local authorities. After the awarding of the medal, the parade of the guard of honor followed. At the end of the ceremony, the staff sergeant was encouraged by the secretary of state, who congratulated him for the courage and devotion he does this job.

Interviewed by the few journalists present at the event, the master sergeant Cisloiu C. Dumitru, had a hard time controlling his emotions, remembering the tense moments he went through in the tragic event. „There are times when you feel sorry for your colleague ... We had reached the victims, dug and wanted to give oxygen to one of them. When I wanted to give him oxygen, someone shouted, „The wall is breaking.“ I got to my feet; I was buried to my knees, my colleague was the same, buried to his knees ... A stone had hit him in the hip, and he started to moan, I just managed to turn around and catch him do not fall. Then came the second shore, and I didn't know what happened,“ said the firefighter in a sad voice.

Asked by a reporter what was the first reaction after that moment, the staff sergeant took a deep breath and, controlling his tears with difficulty, he continued: „After I recovered from the shock, I was buried up to my chest. I remembered Gabi's cry. I never saw him again, and I looked down where I saw his helmet. I took out my hands, dug, pulled out his head, but he was already unconscious. This is the job and we have to do it at any cost,“ concludes the hero from Fetesti with a trembling in his voice and wiping a tear discreetly.





The Minister of Defense awarded the Emblem of Honor of the Romanian Army to the General Staff of the Air Force

„I congratulate you on the 100th anniversary of the establishment of military aeronautics. The soldiers of the Romanian Air Force have proved to be reliable partners for the North Atlantic Alliance. In order to offer Romania the protection of the airspace, we will make efforts to acquire modern equipment and our airmen to be prepared for the new challenges and to provide the forces the means necessary to execute the Air Police Combat Service and international missions,” said Minister Dusa.

The Romanian Air Force Day takes place under the sign of the 100th anniversary of the publication of the first law on the Organization of Military Aeronautics.

The law of 1913 established the technical organizational and training structure of the aviation, in the form of the „Military Aeronautics Service”, subordinated to the General

The Minister of National Defense, Mircea Dusa, participated in the ceremonies dedicated to the celebration of Aviation Day and the centenary of military aeronautics at the National Aviation Museum, where he conferred on the Air Force Staff the Honorary Emblem of the Romanian Army, an event attended by the Chief General Staff, Lieutenant General Ștefan Danila, as well as representatives of the military aviation.



Inspectorate of Engineering, which became the „General Inspectorate of Engineering and Aeronautics”. The service consisted of two sections: aviation and aerostation, and its duties included the study, procurement, construction and use of „navigation devices that could be used in the army”; administration and mobilization of subordinate units, as they were to be set up; training of navigating and technical personnel.



The Permanent Air Force Corps was also established on the basis of a three-year commitment, consisting of aircraft pilots, balloon observers and mechanics, specifying the different categories of military personnel and the conditions to be met by active officers and ranks which were to be part of the Permanent Air Force.

By establishing the status of aeronautical personnel, the quality of seafarers with the related rights was recognized for the first time. It was also essential that the text of the law regulated the granting of licenses



for pilots and aerial observers, the conditions of admission to flight schools, the rights of graduates, the establishment of flight bonuses.

In recent years, the Romanian Air Force has participated in several missions under the flag of NATO and the European Union. Between April 1, 2011, and March 31, 2012, within the KAIA - LEAD NATION mission, as the leading nation, Romania managed the activities at Kabul International Airport, being the first country to execute this mission for a term of one year.

In its capacity as a full member

of the North Atlantic Alliance, Romania has declared its readiness to provide the forces and means necessary for the execution of the Air Police Combat Service in the airspace of the Baltic States. NATO accepted Romania's proposal and, as a result, four LanceR MiG-21 aircraft provided the Air Police Service in Lithuania, Estonia and Latvia for three months, in 2007, as part of the „BALTICA 2007” mission.

In 2006, the Romanian Air Force took over the leadership of Kabul International Airport, as the leading country, within the „KAIA 2006” mission. For four months, the Romanian military provided





airport management, coordination of daily air operations, data analysis and weather forecast to ensure flight security, supply, logistical support for cargo and passenger processing at the airport.

The Romanian Air Force also provided two military detachments that were rotated at six months in the „ALTHEA 2005”

mission in EUFOR, using IAR-330 PUMA SOCAT helicopters.

More than 100 soldiers, navigating and maintenance personnel were deployed to Banja Luka, Bosnia and Herzegovina, and carried out air search, air transport, search-and-rescue and medical evacuation missions for the benefit of the European Union mission. It was the first combat

mission of the Romanian Air Force after the Second World War.

Another critical direction that has become an integral part of the activity of the Romanian Air Force is the intervention missions in civil emergencies, such as the transport of people and materials, and flights for humanitarian purposes.

These include operations carried out in Libya in 2011 to evacuate Romanian and foreign nationals in conflict zones, flights to transport equipment and materials to Turkey to help the earthquake-stricken population, missions in Spain, Germany and this year in Montenegro.

Flight missions were also carried out for the medical evacuation of seriously ill patients to emergency medical centers and actions for the collection and transport of food and materials of immediate need, in areas affected by disasters.



The first flight of the SMURD plane to save a human life

The SMURD aircraft that recently entered the endowment of the General Aviation Inspectorate of the MAI performed its first aeromedical rescue mission on Thursday, July 18, 2013. The aircraft made a flight to Targu-Mures, from where it collected a woman in critical condition as a result of a food poisoning infection.

At 15.00, the plane landed at Baneasa Airport, the patient being transported to the Fundeni Clinical Institute for the provision of specialized medical care.

The medical aircraft was purchased by the Foundation for SMURD from the funds collected as a result of the redirection by the population of 2% of the income tax, as well as from donations and sponsorships. Starting with July 12, 2013, the aircraft was operationalized and

passed into the patrimony of the General Aviation Inspectorate of the Ministry of Internal Affairs.

The Piper PA-42 Cheyenne III aircraft, is intended to increase response capacity and reduce response times in the event of civil emergencies.



The first missions of the ISU Bucharest special vehicles

The long-awaited Iron Maiden concert was also a special moment for the Bucharest firefighters, who had the opportunity to use the new intervention vehicles operationalized this year for the first time.

Thus, in the intervention teams organized by firefighters at Constitution Square are included the intervention and command truck with first aid and rescue equipment on the Volkswagen Amarok chassis, that was acquired with the support of the SMURD Foundation and the truck for quick interventions and increased efficiency on a Ford Ranger chassis.

Both trucks are designed to be able to intervene in tight or crowded spaces, their mission tonight being to intervene promptly in case of an emergency,

such as fire, first aid, or rescue. After this debut, the trucks will be staffed with firefighters and will participate in the interventions

and missions managed by ISU Bucharest, as stated by Daniel Vasile, spokesman for ISUMB.



Photo: ISU București

ANGRY HAWKS FROM Bukovina to Kandahar



The soldiers of the Romanian KAF GDA detachment (Kandahar Airfield Ground Defense Area) deployed in the Afghan theater of operations for more than five months are fighting on the last days of the deployment as they did on their first day, maybe stronger and more confident, led by their commander, major Cristian Arsene.

Lieutenant Gina Maria GUNĂ
Photo: courtesy of the Romanian KAF GDA Detachment



Deployed in one of the most strategic points in Afghanistan, the Kandahar airbase, just 85 km from the border with Pakistan, the KAF GDA detachment - first rotation or company „Angry Hawks”, as it is known among the partners, successfully carries out operations in support of peace under the command of NATO and in close cooperation with forces belonging to ISAF and ANSF, having missions of the most varied, being the only maneuvering force that ensures the close defense of the base.

Of course, the challenges of the „first come” were not lacking for this company either, but through the sustained effort of a united team under the command of Major Cristian Arsene, with the support of partners from 8 NATO member countries and the KAF command they managed in a very short time to report „Ready to fight!”, take the initiative and control the area of operations that has been assigned to them.

Regarding this mission, the commander of the detachment emphasizes: „No day is like the other, nights become days, and days become nights without realizing it. The achievements and accomplishments of the subunit cannot be evaluated in this particular moment, nor do I think it is good to channel our efforts toward such a thing. Instead, I cannot hide the fact that when I notice around me that everyday life in one of the largest military bases in the world is running normally and people are calm and preoccupied with their daily activities, I experience a sense of accomplishment. I know that this peace and the lack of missile



attacks on the base are also due to the missions carried out by Bucovina’s Mountain Troops deployed in the KAF. It’s good to know how to listen to the facts.”

The missions of the Kandahar’s Hawks are varied, but their primary purpose is to ensure freedom of movement and prevent insurgent activities on Highway 4 and other routes in the area of operations by executing

both foot and motorized patrols and by establishing observation posts both in daytime or at night. Also, in order to gain the trust of the population and to facilitate the transition to the Afghan state authorities, the company’s soldiers frequently carry out missions to hire local leaders and locals, these operations being carried out in partnership with the Afghan Security Forces (ANSF) and American partners.



Either they are on a foot patrol on the ridges of the Afghan mountains or a mechanized patrol on the roads in the area, or installing a vehicle checkpoint on Highway 4 or an observation post for the safe take-off and landing of aircraft transiting the base, or employing the local population and leaders or providing support to ANSF forces in CIMIC-type operations, the company's soldiers always honors Romania,



contributing significantly to creating a positive image of the country among partners, often receiving appreciation and thanks from the highest ISAF representatives for the dedication and enthusiasm with which the Hawks perform their tasks.

Among the Afghan population, the platoons also stood out positively, always having the support of the locals and the Afghan servicemen whom they treated with respect each time; the locals rejoice whenever they see the Romanian flag waving on the streets in their localities.



Collaboration with other nations and establishing good professional relations with them is the key to success in carrying out missions, thus ensuring good coordination and management of operations and mutual support in achieving their objectives.

Regarding the mission planning, Capt. Flavius Bucur, the officer in charge of operations, states that „flexibility is the key, as unforeseen situations often arise, and the company's platoons and command must adapt to them as soon as possible.” And he succeeds every time. It's not always easy, but „that's the way it is in war,” he said.



Although the mission of the detachment is coming to an end and the homesickness is increasing, the Hawks do not lower the bar, being still involved in multiple operations in partnership with ISAF and ANSF forces, the company commander stating that „we have a long way to go, and the fight ends only when we stepped on Romanian soil. Until then, we fight and remain fearless, as we all used to!”

From "Revista Fortelor Terestre"



Behind all these planned operations is a strong team, a handful of people carrying out the work of a small command, ready at all times to come to the aid of fighters with information, advice, guidance, materials and equipment, always cooperating with partner forces, through liaison officers, but also through participation in meetings where all missions are planned and coordinated.



Rescuers in red uniforms



They know best what a saved life means and the value of every second in any intervention. They are the firefighters on the SMURD ambulance, the people who enter another world when they wear the red uniform.

Text & photo: Vali Zaharia

The SMURD ambulance service from Slobozia recently celebrated one year since its establishment. I had the opportunity to meet a SMURD crew of the Fire Brigade „Slt. Gabriel Boitan” Slobozia, from the Inspectorate for Emergency Situations “Barbu Catargiu” of Ialomita County. I can say about them that they are entirely dedicated to the profession, and from what they told me, I saw that they have the desire to save people in their blood. That’s how I met the chief master sergeant Bocan Florin, the staff sergeant, Iacob Iulian, and the staff sergeant Dima Ionut, three rescuers for whom every working day is an ordinary day, in which they know that they have to do their job regardless of the situation.

And the situations they face are many and very different. Often, when they leave for a mission, they receive one diagnosis, and once they arrive at the intervention, they find another situation; they do not lose their calm and intervene as they know best to save the patient’s life. Since working in SMURD, the three have had the opportunity



to meet hundreds of cases, some with a tragic end, others happy.

After all, there is always one intervention, one case that stays in their minds, that marks them. Speaking about them, the staff sergeant Dima Ionut told me about the case of a girl stabbed by her concubine in the spring of this year and who, thanks to the crew on the red ambulance, escaped with her life.

„We had received a call on 112 that in Traianu commune we have a patient with a limb fracture, we drive to that case, but at the entrance to Traianu commune our

intervention was changed, the dispatcher announcing through the station that we have a victim with stab wounds. I arrived at the intervention where I found a 16-year-old patient who had stab wounds in the chest, lower limbs, abdomen, a wound in the cervical area that endangered her life. I made the stabilization maneuvers and asked for the support of my colleagues from S.A.J Ialomita. Her luck was that I was in the area, and if they were 10 seconds late with the call, they risked losing the victim. We received the support of our colleagues from the Ambulance Service, and to our joy, we found out that the



young woman lived,” says the happy firefighter who managed to save another life from a critical situation.

Although their job is to save people, it is not without risks. The staff sergeant remembers that after giving first aid to the victim, they found out that the aggressor was still in the house. „In such situations, we do not intervene without the police, but the victim was in critical condition and we had to give first aid. After I left, I found out that the aggressor was still in the house and could attack us at any time because I helped the victim.”



„It’s a pleasant feeling,” continues Dima Ionut, „when you know you’ve saved a life, but we have to be prepared for new cases.” Some are also unhappy, in which they could not do anything. Staff sergeant Iacob Iulian recalls one of the accidents he had responded to a year ago. „A year ago, I was called to an accident at the entrance to the city; it was midnight. When I arrived at the scene of the accident, my colleagues from the Ambulance Service were already there. It was dark, and we went in several directions to look for the victims. They were all young. Initially, we found three victims, and shortly after the ambulances left with the patients, we found two more victims for whom, unfortunately, nothing more could be done.”

Asked what is the first thought when leaving for the mission, the three rescuers answer in chorus: „What will be there!?” and the adjutant lieutenant chief. Bocan Florin continues: „We are given something on the intervention sheet, and when you arrive on the spot you find something else, the cases differ and this is due to the fact that the citizen does not know the ailments and says what he sees. When we get there, we



need to be able to quickly analyze what the patient's condition is."

Beyond the cases in which they intervene every day, successful or not, the job is one that requires them to give everything they have the best of them. It is a job that you do not choose by chance, so my question, „why did you choose SMURD?" is followed by a few seconds of silence. Staff sergeant Dima Ionut answers first. „Because we work with people, there are other patients than the ones we had in the fires, there are other methods of intervention and if you saved the man and did him good, it's that feeling that you saved someone," he says, smiling discreetly, feeling doubled by the thanks of those helped, as the chief master sergeant acknowledges. Bocan Florin, „During the intervention, they thank us for what we do, but not on the street. Maybe the patient associates the man with the red uniform, and if he saw us in uniform, he would probably recognize us, but in civilian clothes, I don't think so."

Opposed to these feelings of gratitude are those when they cannot save their patients. Speaking about those cases, the staff sergeant Dima Ionut says, after a few moments of silence, that he is trying to leave these thoughts at work. „At home, family, children, other problems, other things are waiting for us, and we try to leave our thoughts about work here."

In addition to the difficulties inherent in each mission, their work is often hampered on their way to the intervention by drivers who do not always give them priority in traffic. „There are cases in which we stand behind them with the emergency lights on, but they do not give way," says the chief adjutant staff sergeant Bocan Florin. They probably didn't



need an ambulance, or they didn't go through something like that, to realize how important it is to get to the patient as soon as possible."

And when we were speaking of the short time in which they have to reach the interventions, our discussion ends with a short greeting because the crew leaves in a hurry to answer a 112 call, announcing that an older woman has fainted due to the heat. Remained are the stories of some of the cases that rescuers encounter every day, when they wear the red uniform and go to the intervention, leaving personal worries and needs in order to save the life of a fellow man.



A partnership between ISU Bucharest and the School Inspectorate of Bucharest

The Inspectorate for Emergency Situations „Dealul Spirii" of Bucharest has signed a partnership with the School Inspectorate of Bucharest in order to prepare the students and teachers for emergency situations.



The two institutions have carried out in recent years training and evaluation projects in the field of emergencies (Safe Quake, Too Quick To Quake) in several schools, thus preparing tens of thousands of students on how to react in the event of an earthquake.

Given the need for continuous preparation for emergencies of students and teachers, a collaborative partnership was concluded between the two institutions.

The purpose of the protocol is to support the campaigns carried out by the Inspectorate for Emergency Situations „Dealul Spirii" of Bucharest and the School Inspectorate of Bucharest, and the events organized by them for training preschoolers and students in the Capital, regarding emergencies. Among

the objectives of this partnership are knowledge of prevention, protection, and intervention measures in emergencies, training of practical skills for providing first aid, and awareness of the importance of volunteering in the field of emergencies.

„First of all, I would like to note the exceptional collaboration between the two institutions, the Inspectorate for Emergency Situations of Bucharest and the School Inspectorate of Bucharest. Since last year, we have managed to train over 44,000 students and over 3,000 teachers. We aim, in a 6-year cycle, to prepare the entire school population of Bucharest, so that the young generation can benefit from the necessary information and develop their practical behaviors in order to prevent and know what to do when such a situation happens",

said the chief inspector of ISU Bucharest, Stelian Dudus.

„We thought to start with the young population because by preparing this generation we will better prepare for the future the people of the Capital. It is an critical training for life. Reacting correctly in an emergency situation is essential, and lack of education in these situations can lead to more severe consequences than in the case of appropriate behavior," added Chief Inspector Constantin Traistaru.

The Inspectorate for Emergency Situations „Dealul Spirii" of Bucharest has a structure specialized in training the population; they are the ones who will prepare from preschoolers to high school, but also teachers, according to a program to be established in the future.

ALPINIADA

The military games of mountain troops



Start in the 10th summer edition of the mountain troops military games

On July 15, 2013, in Predeal, in the barracks of the 21st Mountain Troops Battalion „General Leonard Mociulschi” took place the opening ceremony of the Mountain Troops Military Games Alpiniaada, the summer edition, a sports competition with applicative-military character in which participate selected soldiers from the units of mountain troops from the structure of the Land Forces.

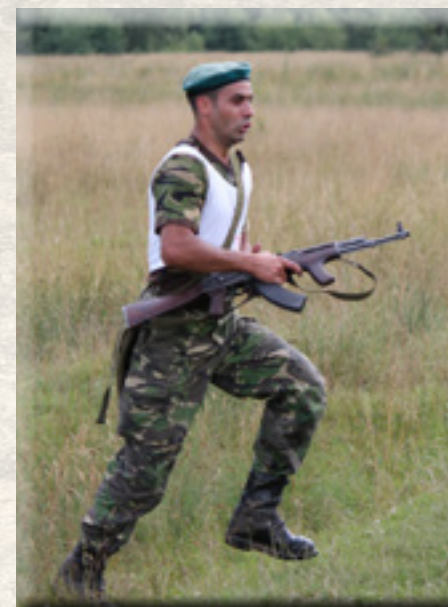
The sports activities took place between July 16-18, 2013, ending on July 19 with the award ceremony. Representative sports teams of the 1st Infantry Division „Getica” from the garrisons Brasov, Predeal, Curtea de Arges, Campulung Muscel and of the 4th Infantry Division „Gemina” from the garrisons Miercurea-Ciuc

text: Maior Dan Crișan photo: Cristian Surugiu & Dan Crișan

(two lots), Vatra Dornei, Sfântu Gheorghe and Brad presented themselves at the Mountain Troops Alpiniaada opening ceremony.

Alpine relay, speed and endurance

Tuesday, July 16, marked the first stage of the Mountain Troops’ Alpiniaada, the summer edition,



hosted by the 21st Battalion „General Leonard Mociulschi” from Predeal: the alpine relay race.

The relay took place on a mountain route with a length of 5 km and a difference levels of 400 m, with slopes that reached 60 degrees inclinations and freely climbing the obstacles encountered. The arrival of each member of the group was timed at the passing of the relay from one soldier to the other, on a dedicated corridor 10 m long and 1.5 m wide, arranged in the arrival area. On the route, each fighter threw three dummy offensive hand grenades at a distance of 30 m, in a target designated by a circle with a diameter of 3 m, from the standing position, for an unlimited time. At the end of the throw, each competitor fired five shots, one shot at a time, for 30 seconds, with the automatic rifle caliber 5.45 mm or 7.62 mm, depending on the armament of each lot, in a target chest arranged at a distance of 100 m, each soldier having the freedom of choosing the shooting position. All competitors fired from the lay-down position.



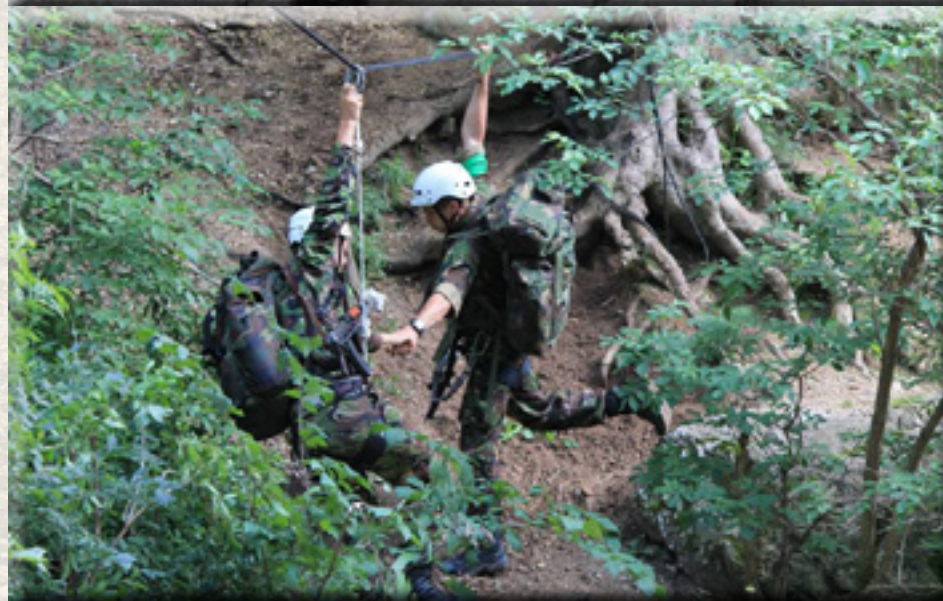


Clash with the rock

On July 17, 2013, the second stage of the Mountain Troops Alpiada registered the busiest day from a competitive point of view, as two competition events took place: the fast (free) climbing and rappelling descent test and the artificial double rope climbing and rappelling descent test, both supported in the climbing field Cheile Rasnoavei.

Endurance, tenacity, will - Alpine Combined

The „Alpine Combined“ test took place on a route inside a district delimited by the landmarks Cheia Polygon - Postavaru Massif - Rasnoavei Gorges. For the soldiers in the competition, it was the most physically exhausting day. The Alpine Combined is the test with the highest grade applicative-military competition, this establishing the order of each lot in the final ranking. In



the Alpine Combined event, the teams consist of 7 competitors, of which one officer, three other staff (officers and/or non-commissioned officers) and three professional ranks are required. In fact, each team has seven people who operate under the motto „all for one, one for all“.

The last act in the „show“ in Predeal - the award ceremony

On Friday, July 19, at the end of a hot week of applicative-military competition of all the representatives of the Mountain Troops from the Land Forces, the last act of the Alpiada, the summer edition 2013, was written: the award ceremony of the best participating teams. In the presence of the Chief of Doctrine and Instruction of the Land Forces General Staff, Brigadier General Mihai Ciungu, Commander of the 2nd Mountain Troops Brigade „Sarmizegetusa“, Brigadier General Cristinel Cernea, Commander of the 61st Mountain Troops Brigade „General Virgil Badulescu“, General Brigadier Gheorghe Coanta Vatamanu, the commander of the host unit, Colonel Ovidiu Conduruta, the mayor of Predeal, engineer Liviu Cocos and other guests, on the plateau of the 21st Mountain Troops Battalion „General

Leonard Mociulschi“ from Predeal presented themselves all the soldiers from the representative teams of the mountain hunting units from the Romanian Army. The general classification of the mountain fighters competition

was established following the results obtained by each group in the alpine relay, fast (free) climbing and rappelling, double rope climbing and rappelling and combined alpine.

On the podium of the Mountain Troops' Alpiada, 2013 edition, the following were positioned, in order of performance: on the first stage, champions at all tests of the competition, climbed the soldiers from the team of the 21st Mountain Troops Battalion „General Leonard Mociulschi“ from Predeal, on the second place were placed the team of the 2nd Mountain Troops Brigade „Sarmizegetusa“ from Brasov, and on the third place were the fighters of the 17th Mountain Troops Battalion „Dragos Voda“ from Vatra Dornei.



CERC student scientific communication session 2013

At the Military Technical Academy, on June 6 and 7, the works of the XII Session of Communications of the Student Scientific Circles CERC 2013 took place. Have participated to the conference students from the Military University of Technology in Warsaw - Poland, the National Defense University of Brno - Czech Republic, the National Military University of Veliko Tirnov - Bulgaria, the Polytechnic Military College of Cairo - Egypt, ENSTA Bretagne of Brest and the Paul Sabatier University Institute of Technology in Toulouse - France, as well as students from military and civilian universities from Romania.



Since 2002, this conference has become a tradition of the Military Technical Academy, the event creating the necessary framework for the exchange of opinions and scientific ideas between military and civilian students in the country and abroad.

During the Annual Communication Session of Student Scientific Circles with International Participation CERC 2013 are presented works in fields such as constructions and fortifications, topogeodesy, applied mechanics, mathematics, physics, management, materials technology, foreign languages, electrical engineering and electronic systems, communications and processing signals, computer science, modeling and simulation, humanities, military aeronautical systems, automotive engineering, military tactics and training - weapons tactics, military geography, military art history,

logistics and military physical education - weapons systems.

Rector of ATM, prof. Univ. dr. eng. Cristian Barbu stated that, like previous years, „this conference offers students the opportunity to show that they work, that they learn, that they study, that they have advanced scientific research, and, last but not least, that international mobility which we carry out in prestigious universities in Europe have a palpable purpose. Because this circle highlights the fact that they manage to bring objects, things, something that is not only on paper but also works. It is a tradition for students from renowned international universities to participate, from countries where we also go. International students returned to the Military Academy because they found along this student scientific path an answer to their concerns, in line with the expectations of the countries of origin, which have a higher education developed, and for the student level, I can say that we are at equality.

The palpable part could be seen on June 1, when functional aircraft, robots, transmission systems, sophisticated handling systems were presented in Carol Park, practically all specializations, 17 in number, of which 11 unique in Romania, were represented by a concrete example. Of course, they are laboratory models; they do not have a commercial face, but the functionality part is current, and they are directed towards the future.”



photo: Task Force Yellow Scorpions

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