

***NATO MULTI-YEAR SCIENCE FOR
PEACE PROJECT EAP.SFPP 984753 - "SIARS
(SMART I (EYE) ADVISORY RESCUE SYSTEM)"***

MEETING MINUTES

Meeting Date: 05/05/2015

Meeting Location: Skopje, Macedonia

Recorded By: Boban Temelkovski

1 ATTENDANCE

Name	Title	Organization	e-mail
Jugoslav Achkoski	Dr, Assistant Professor	MA,UGD	jugoslav.ackoski@ugd.edu.mk
Saso Koceski	Dr, Assistant Professor	UGD	saso.koceski@ugd.edu.mk
Goce Stevanoski	Master student	MA,UGD	gstevanos@gmail.com
Vasko Pachemski	Master student	MA,UGD	v_pacemski@yahoo.com
Dimitar Bogatinov	Teaching Assistant	MA,UGD	dimitar.bogatinov@ugd.edu.mk
Boban Temelkovski	Master student	MA,UGD	temelkovskiboban@yahoo.com

2 MEETING LOCATION

Building: Military academy “General Mihailo Apostolski” – Skopje, “GoceDelchev” University – Shtip, Republic of Macedonia

Location: Office of professor Dr. Jugoslav Ackoski, assistant professor

3 MEETING START

Meeting Schedule Start: 12:30

Meeting Scribe: [Boban Temelkovski](#)

4 AGENDA

The meeting was opened by Professor Jugoslav Achkoski, firstly with the presentation of attendants. All of the attendants had opportunity to introduce each other and present themselves separately in order to present their professional past and experience. Then Professor Achkoski began the introductory part of the project and presented the essence and purpose of the project. He noticed that SIARS is about modeling, developing and integration with selected existing Information Systems of a new state-of-the-art telemedical Information Systems that will allow saving more injured patients and lessen the death-rate on the battle fields. The system will be consisted of mobile device that will help the life-savers on the battlefield, gather and organize the medical data of the injured patient, use the satellite connection to transfer the data to the designated medical facility that will take medical care of the injured person.

Specifically, implementing SIARS in multinational environment will positively influence on achieving NATO’s strategic objectives, which refers to human and social aspects of security. Consequently, it will increase the level of saving people’s lives (VIP, solders, civilians, etc.) in NATO –led operations and missions. The modules in SIARS (video-streaming of the injured person, constant monitoring and recording health condition of the patient during transportation, etc.) are initial steps, which will be used for accomplishing security goals in terms of human and social aspects of security.

After his speech all of the participants were involved in the debate and the following tasks were pointed:

Within the discussion of WP-1, it was determined that the team is responsible for preparing of all reports, regarding the project objectives, on every 6 (six) months. Responsible for making of the Reports will be MSc Dimitar Bogatinov.

Professor Saso Koceski proposed creation of Internal Reports on the level of the research group and it should be done every two months since NATO evaluation is fairly rigorous. He also added that it would be great benefit if the final made product will be tested in real field conditions on some field exercise.

MSc Dimitar Bogatinov noted that for this purpose Military Range "Krivolak" can be used. He also proposed that we should propose entering the product in the agenda of some Medical exercise or on international project "Summer Camp" organized by Military Academy.

Regarding the equipment, Dr. Sasho Koceski pointed to the selection of sensors that could be involved in the project, their consideration for the layout of the signal that they can offer (how does they work – WiFi, Bluetooth etc...).

To avoid using satellite communications for data transfer, one of the proposals that emerged was the use of radio links which are commonly used in missions that combat units perform. Goce Stevanoski suggested that communication can be established using the "Harris RF 5800" device (can be used for testing – it supports communication up to 5km range). But previously the device interface has to be checked;

Dr. Jugoslav Achkoski noted that as a problem that was determined during the preparation of the project is recognition of civilians at the scene or in the military environment/battlefield. As a solution were proposed usage of RFID - technology for identification of unknown individuals or usage of algorithms from artificial intelligence for recognition of individual`s faces, proposed by Professor Saso Koceski. Also it was noticed that the data should be recorded in standard format which can be used by other institutions.

In the period from 01.10.2015 to 04.10.2015 in Ohrid will be organized Scientific Conference "ICT Innovations 2015" and if it will be connected with WP-1 "Dissemination of the knowledge", Dr. Sasho Koceski pointed that there are ideal conditions of organization of Workshop for this project. Regarding this proposal, it was agreed to define the topic for the Workshop and to invite the other partners in this project.

Master's thesis of Vasko Pachemski will cover the topic that will be additionally defined and will be aimed in the fields of WP-2: "System definitions: definition of two modules (local module and module for digital data collection); scenario definitions ", and in the field of "Detailed definition of system functionality ". Essentially it will be related to his part of the WP-2.

For the part WP3 – "Secure communication and authentication (usage of existing solutions)" was appointed Goce Stefanoski, for "Identification and acquisition of on the market available equipment" and for "Definition of equipment that needs to be developed" was appointed MSc Dimitar Bogatinov, for the part WP4 – "Acquisition of medical content, licences and knowledge" was appointed Dr. Sasho Koceski, as the most suitable members for each part.

Dr. Jugoslav Achkoski stated that from the funds allocated for the equipment, planning creation of laboratory for Intelligent Systems in Military Academy where the product can be tested. In testing cadets from Military Academy could be involved.

Dr. Sasho Koceski also mentioned that it is needed to find the most suitable Copyright Agency with the lowest commission and to check the latest legislative changes for monthly payments for all participants. For this task all participants should be included.

Dr. Jugoslav Achkoski mentioned that, making of papers with impact factor which will be published to the end of this year should be done. In this task, also, all of the participants will be involved. Dr. Sasho Koceski said that within two weeks he will select/target the journals which will be the most suitable for the topic that will be covered by the Project.

Dr. Jugoslav Achkoski drew attention for finding possibilities that the purchased assets will not be under tax and customs fees, because the current practice shows that much of the provided funds are often spent on taxes. Concerning this issue, Dr. Sasho Koceski said that it would be nice to make a contact with the "Secretariat for European Affairs" in the Government of R. Macedonia, in order to collect data on this issue according current practice and legislation and to bring the most optimal solution.

Goce Stefanoski proposed making of decisions that will be submitted to the Scientific Teaching Council of Military Academy, after what they will communicate with the working institutions of participants for their release from everyday working duties and uninterrupted work in the interest of the aims of the project.

Dr. Jugoslav Achkoski suggested that the project should be mentioned in the Monography of the 20th anniversary of the Military Academy. MSc Dimitar Bogatinov took the obligation to prepare it. Also Dr. Sasho Koceski and MSc Dimitar Bogatinov stated that startup of the project will be published to the websites of Military Academy and University of "Goce Delchev" in order to give the importance to the project.

Task to translate the Record in English was given to Vasko Pachemski.

5 MEETING END

Meeting Schedule End: 14:30

Meeting Actual End: 14:30

6 NEXT MEETING

Next Meeting: [Skopje, Macedonia, May 15, 2015 – May 09, 2015, 12:30-14:30](#)