STAMINA bilateral telco IVN – MCS DATA LABS

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PROJECT	STAMINA
EDITOR	[IVN-Ro]

SUBJECT	Bilateral telco IVN - MCS DATA LABS on SmarKo device

PARTICIPANTS	ORGANISATION
Fihmi Mousa	MCS DATA LABS
Emilio Cuba	MCS DATA LABS
Corneliu Nicolae Zaharia	IVN
Alexandrina Nuta	IVN

TOPICS DISCUSSED

General

- IVN:
  - brief presentation of the meeting purpose: clarifications on the possibilities of integration the SmarKo device in Romanian Trial in the condition of a table top exercise, as is the situation in this case;
  - short presentation of the scenario after which the trial IVN-Ro takes place;
  - asking questions about the SmarKo device.
- MCS DATA LAB:
  - short presentation of the SmarKo device and the possibilities of using it in a trial;
  - explanations/answers/discussion on the simulation options with the emulator interface of the SmarKo device;
  - identification of the SmarKo device needs/requirements for Ro trial, executed as a table top exercise.

Trial IVN-Ro scenario

In brief, the scenario behind the IVN-Ro trial refers to the onset, evolution and extinction of an influenza pandemic with a highly pathogenic strain in a Romanian county. The scene for the scenario was chosen Calarasi county, in which the number of suspects, hospitalized, intubated and deceased increases very rapidly in relation to a normal situation. This pandemic situation is managed within the legislation in force (baseline) and as a version within the STAMINA instruments (innovative line). IVN-Ro trial was designed as a table top exercise. For the trial IVN-Ro selected 10 STAMINA tools, among them being the SmarKO device. In IVN-Ro trial this device will monitor/simulate the skin temperature, oxygen saturation, heart rate and geolocation of the wearer

SmarKo by short

SmarKo is a wearable device developed by MCS DATA LAB company. Values for the bio-signs are collected from the persons that wear them. These values are real. We measure them and send them to the EWS via mobile apps. The idea behind the emulator is to define thresholds for EWS and they determine if it is an emergency or not. All we do is to collect the data and send it to backend via the app.

Formulated questions and received answers

Q1: In this moment, SmarKo device emulator interface allows to modify ranges, not values. How can be used this device in the IVN-Ro trial, that will take place as a table top exercise and no real data will be collected?
A1: For your trial you need a simulator and the introduction of values. You do not need real data but a simulation. It is possible for us to adapt the interface; just tell us what you want.

Q2: How can we see the value which is going to the EWS?

A2: The answer can be seen on the server or in the backend; also is possible to see all the values or only the last one.

Q3: How can we use geo-location information to manage a pandemic? The same question for the step count parameter.
A3: From the geo location emulator for the patient (you know where he is), but we don't know how you can use this information; for step count: I don't know, if you don't need it we take it out.

Q4: Can you give us details about SmarKo outputs: format, where they go, where are collected data from SmarKo?

A4: the format of outputs can be found in the logs area; they are in JSON format, but they can be in any format you want.

Q5: Are the values entered in the "Sensors" area seen in the "Logs" area?
A5: If you select a value in "Sensors" you can see in “Logs” the value and the measurement; see in "Logs" the measurements and the answer; we will add a tab so you can navigate.

Q6: How, in practice, the parameters measured with SmarKo can cause some warnings / alerts to be triggered by EWS or another tool from STAMINA? (we are interested on the SmarKo tool owner’s point of view)

A6: SmarKo emulator / SmarKo device cannot send wornings or alerts. These are generated by EWS. You can send an SMS or an email. Backend sends data to EWS.

Action Points:

- IVN-Ro: face exercitii cu noile adaptari ale interfetei emulatorului de SmarKo si comunica MCS DTA Lab eventualele modificari suplimentare; va analiza in echipa posibilitati de utilizare/simulare a parametrului step count
- MCS DATA LAB: pregateste adaptarile la interfata emulator pentru a putea utiliza SmarKo device in Trial IVN-Ro table top exercise (posibilitatea de introducere a unei singure valori pentru fiecare biosign care poate fi masurat/simulat: skin temparature, oxygen saturation, heart rate, geo location)