

POSSIBILITIES OF PROVIDING AIRPORT PHONE COMMUNICATION BY MOBILE NETWORK OPERATOR

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In the next article we analyze the specifics of the possibilities of replacing the fixed line by mobile network focusing on the most suitable mobile network operator. The above issues are analyzed within the road communication only. The most important role takes not only the financial factor, but also the network coverage and quality of services.

Key words: communication, mobile network operator, information systems, error-free, barriers

1 INTRODUCTION

Communication is the number one priority not only in all areas of industry, transport, but also in everyday life. The objective of this article is to provide communication possibilities to airport using the services of mobile network operators in Slovakia. The paper deals with several areas related to provision of telecommunication services on airport.

Main focus is on road communications.

2 COMMUNICATION

The communication is the most important element of success. It is often taken as granted and considered seemingly insignificant. A word „communication“ and its meaning can be understood from different perspectives and therefore it consists of many areas. It is given by presence what communication means, what it includes, what forms of communication exist, and which form is nowadays most proffered. The time is still on track and everyone owns at least one mechanism that helps him keep in touch with the world. On the Slovak telecommunications market companies compete to attract customers offering various programs and benefits. It's not about to become customer of every mobile network company on market, it's about to find operator that offers services that fits our needs.

Focusing on big companies with high number of employees is a challenge for mobile network operators. It is necessary to ensure the best signal

coverage and maximize the possibility to connect with anyone, anywhere, for an unlimited number of minutes and at the lowest possible prices. It is also for having all the employees under control, starting by monitoring the situation in the workplace to detailed phone call evidence.

3 COMMUNICATION ERRORS

Many times it happens that the communication errors occur. This is due to non-compliance of the principles that help prevent these errors. The communication often encounters obstacles that may be outdated equipment but in most cases it is a failure of leadership. Another factor is the shortage of staff, noise, poor lighting, high temperature or the environment – all of it affect people's spirit and ability to focus on effective communication...¹

4 METHODS OF COMMUNICATION AT THE AIRPORT

For effective management of the airport there should be sufficient number of particularly good quality information. Especially correct information are important this time. It is clear, that for airport process management the information is the main source of their success. Therefore the high

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<<http://prankster.tym.sk/druhysem/predmety2/komunikacia/05.htm>>

demands are placed on management control. Information is linked to:

- Support airport processes
- Capacity
- Hardware
- Human Resources

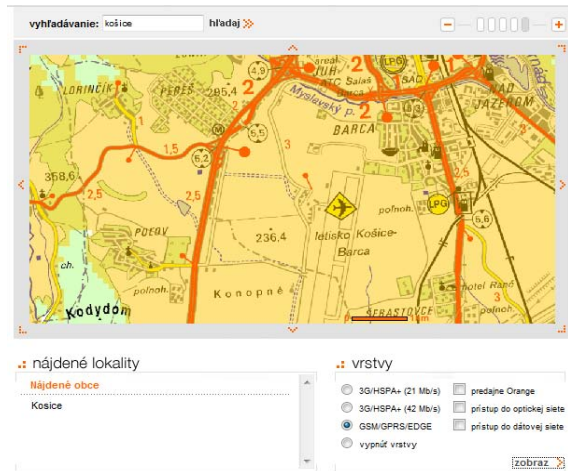
Thanks to information sources it is possible to promptly react to new situations, organize and plan changes, eventually upgrade products.

5 OPTIONS FOR REPLACING OF LANDLINE BY MOBILE NETWORK

The trend today is to have smallest unit possible, which provides all the services – phone calls, text messages, internet, various apps, online calendar etc. What counts is comfort, that is offered to users by mobile network operators trough they services.

Cell phones are now able to replace almost all devices. In an increasingly smaller devices lies not only the ability to speak with anyone in the world anytime, but also ability to be online anywhere where is network coverage available. Having a mobile office is now trendy and more and more people are seeking for something small and portable, simply to have all possible communication forms in one device for a reasonable price. Cell phones are able to connect to the internet, send and receive multimedia messages, use GPS navigation, and shop online for various applications that are being used for communication using mobile internet or Wi-Fi – which allows free unlimited, high quality usage of telecommunication operator services. The great advantage of mobile phones is their mobility. In the past the landlines gained a big popularity, but after transmitters were built and first mobile phone was developed, it was clear that landlines are about to move aside. Mobile network operator in Slovakia, such as Orange, offers the largest 3G network and the largest network coverage, enabling users to get the signal in villages or other more remote locations.

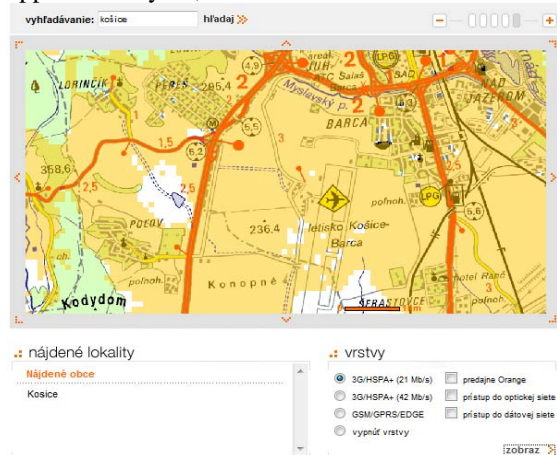
5.1 Network coverage on Košice Airport



Picture.1 [Coverage GSM/GPRS/EDGE]

- Based on studies of available resources, I learned the following facts about Košice airport:
- network coverage 3G/HSDPA 21Mbit/s -very good in buildings
- network coverage 3G/HSDPA 21Mbit/s -very good outside
- network coverage GSM/GPRS/EDGE -very good in buildings
- network coverage GSM/GPRS/EDGE -very good outside
- network coverage 3G/HSDPA + data traffic – substandard

Network coverage of GSM signal is approximately 87,3% of Slovakia.



Picture.2 [Coverage of 3G network]

Speed always depends on the radio conditions, proximity to the transmitter, weather conditions, network traffic and the mobile device.

Kosice airport is very well situated in terms of coverage of GSM / GPRS / EDGE as well as the latest 3G signal.

6 REMOTE MONITORING

It is a custom in big companies that they want to be informed about everything not only verbally, but they also want to have tangible evidence. There are many devices constructed for collecting this kind of evidence, and they are still being upgraded. For it was not just about quality monitoring devices of employees and workplaces, we do also have various services that provide accurate information on time

One option is a service, which allows remote control and monitoring of the property, for example car, using SMS notifications, in case of an alarm or in case of excess of the certain values on the monitored devices. Monitoring device allows user to send text messages about room temperature, state of security device etc.

7 ASSIGNMENT OF TELEPHONE NUMBERS

Big companies are generally interested in the phone numbers that follow the numerical sequence and that are on the same base. It is mainly employees on higher positions that are interested in phone numbers that are easy to remember. These are numbers which are normally not available by its activation. Everybody got the same possibility to own special phone number, depending on his will to invest his phone number choice.

Table 1 pricelist of phone numbers

Phone number	€
Gold number	597,49
Silver number	318
Bronze number	159
Number of choice	8
Change of number	15

The easiest way to pick a number is by purchasing rechargeable cards.

The proposal was made only for communication between employees at the airport. General manager should be aware of all employees and also of their mobile phones usage, whether for private or business cause. This should prevent high expenses on telecommunication services.

There are 3 major mobile network operators in Slovakia, and each has its way to attract the customer. They offer wide range of mobile phones, from basic and simplest to control, to technologically most advanced and modern mobile devices, which I would personally offer also on selected airport, because they are working also as mobile offices. It is important for airports as customers of the mobile network operators to be capable to measure their requirements, consult them with provider, and together find the solution that fits their needs and is also acceptable for the provider. Provider also has to be willing to cooperate with the customer, and innovate the products and technologies for the customer good.

8 CONCLUSION

Nowadays, being successful means being especially well informed. The correct information is insufficient. One must be able to properly evaluate information and develop conclusions, which will enable him to work more efficiently. Many times we are already tired of constantly being under of pressure of the modern technology. The truth is however, that these technologies are often life savers.

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