YOUR MISSION - OUR SOLUTIONS

News / Business aviation

In the beginning there was a telephone by Alexander Bell, which was revolutionary, then phone became common and by the end of last century radiophones emerged, as well as ISDN system, advanced satellite units and a variety of mobile phones, followed by IP-phones and high speed internet. Throughout its whole history mankind is fighting to stay connected. In aviation, especially its business jets segment, staying connected all time is quite often a way to success in business. There are a lot of various solutions in the modern market for any budget. Define the task, install the hardware and the world will become closer, even when you’re flying at FL470.

But how can you choose among many offers? Today we’ll try to answer this question together with the head of Russian office of Satcom Direct (Satcom Direct’s Russian office?), Evgeniy Pashkov.

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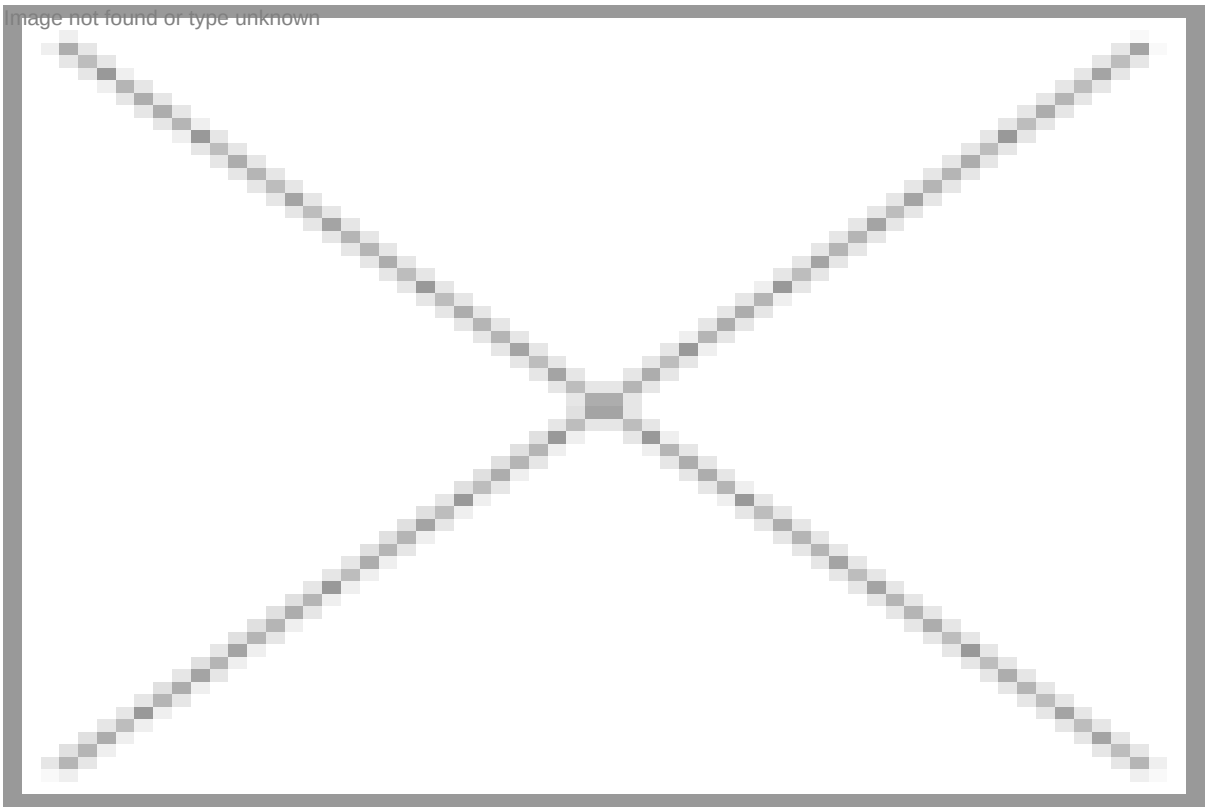

But let’s start with the brand history. Satcom Direct is a private company, established in 1997, with its headquarter in small town of Satellite Beach, Florida, having the offices now everywhere around the world, including Farnborough, Geneva, Moscow, Dubai, Sao Paolo, Montreal, Cape Town, Hong Kong and Melbourne. Today the company is the major provider for international satellite communication, data protection and applications development for corporate, business, military and government aviation, land mobile stations and maritime. Satcom Direct became the first to develop the direct calling to the aircraft known as Global One Number. Mr. Pashkov says that nowadays Satcom Direct provides effective solutions for aviation, such as datalink communication, high speed data, real time traffic monitoring, IP telephony, aircraft tracking in real time through the mobile app.

“The ultimate goal of Satcom Direct is to provide connectivity in air, on the ground and sea, providing the highest level of customer support. Important factor is that we are Distribution Partner for Inmarsat, Service Partner for Iridium and ViaSat Yonder Premium Reseller”, tells Mr. Pashkov.

Most of the aircraft owners appreciate Satcom Direct for reliable connection, high level technical support and innovative solutions. In particular, company has developed its own hardware – SDR, which optimizes communication on board, allowing to use laptops, tablets and smartphones almost as on the ground.

“SDR provides more opportunities for our customers: calls, text messages, emails, web browsing and data streaming – all that goes to a new level using the combination of the best technologies and services.

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How does that work? SDR automatically chooses the best of available connections and constantly updates it. Our router has technologies for data compression and cashing in order to provide maximum bandwidth for data transmission. SDR is smart enough to see that the aircraft has landed and switches from satellite to local 3G network, thus supporting the best connection." Mr.

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Pashkov says

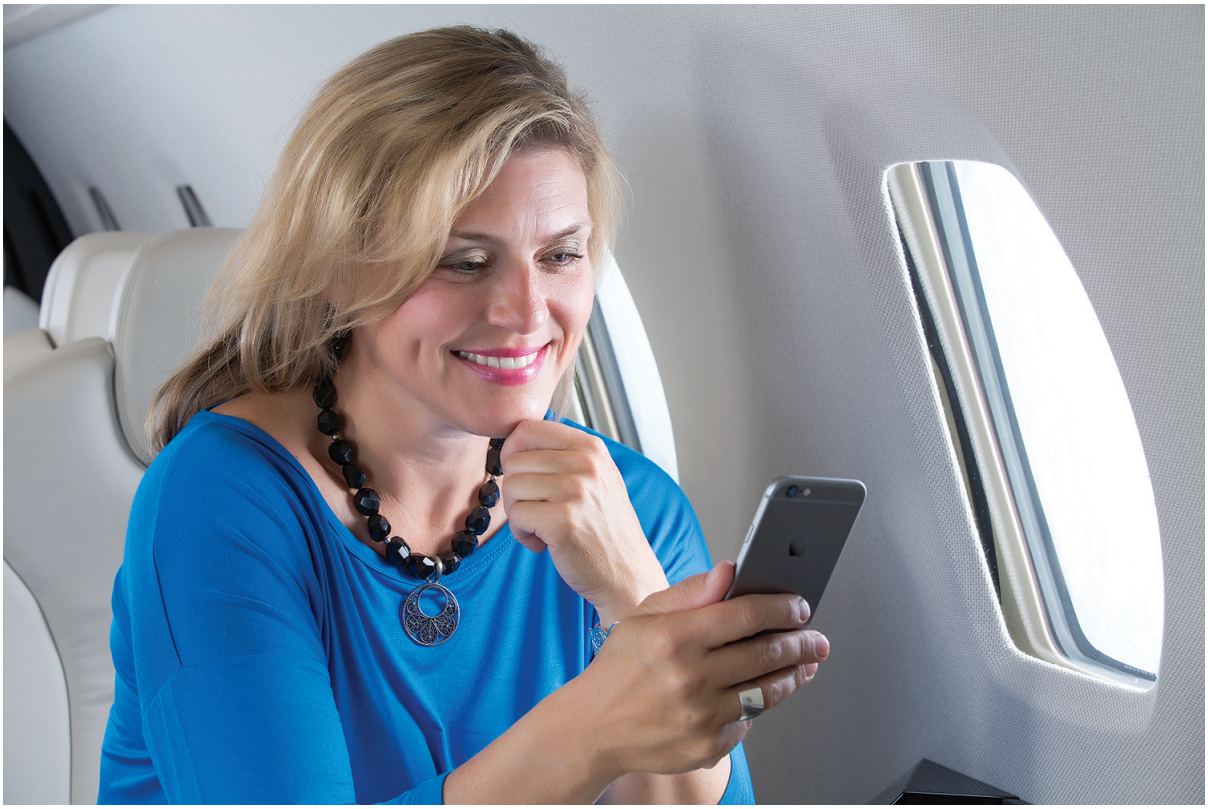
Internet is internet, but no one would refuse the opportunity to talk over personal smartphone at the altitude of 11km. And Satcom Direct is a leader in that with its industry first solution – Global VT.

“Global VT allows you to use your phone during the whole flight from takeoff till landing. You can use your smartphone’s contact list for calls and messaging. With Global VT you can fully utilize your phone’s capabilities for GSM calls with your own contact list. Most important, person on the other side of the call will see your regular GSM phone number when receiving the calls and messages from you. Besides, Global VT provides the highest voice quality using the Satcom Direct’s own codec, developed specifically for aviation satellite communications. This technology allows to overcome known issues with sound delays and provides the best voice quality.” Mr. Pashkov continues.

In other words, Global VT is the opportunity to send messages, and what is more important, to make calls in flight just like on the ground.

SDR provides several wifi networks simultaneously with individual settings for each of them. Also, with SDR user can monitor the connections status and track the traffic usage for each of them.

What about the data protection? Satcom Direct has a lot of experience working with military and VVIP customers. Company has its own data center, TerraCom Direct, which provides the maximum level of security. How? TerraCom Direct automatically tracks the information generated from the aircraft and allows to connect safely to your corporate network.



“We can create customized connection solution developed specifically for corporate data security requirements. We use flexible approach allowing us to provide the optimal solution for active data management.” says Mr. Pashkov.

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So, that works relatively “simple”. TerraCom Direct constantly tracks the data stream and create reports about potentially malicious activity. It identifies patterns or anomalies that indicate data may have been compromised. Because TerraCom Direct is wholly operated by Satcom Direct, we are able to provide enhanced security for data transmissions, to and from your aircraft, no matter where you are in the world. This also allows optimization of all data traffic via Satcom Direct applications so we can make changes, updates, corrections and filter in real time, all the time.

Satcom Direct has also various unique solutions, such as Flight Deck 360 (Tablet-Based Flight Deck Data), AeroV (inflight smartphone), getORT+ (Mobile Satcom Support with Unity).

In the end we would like to mention separately about the Satcom Direct’s training courses and seminars, where you can learn industry trends, get understating on Inmarsat, Iridium and Yonder networks and system troubleshooting techniques, as well as the new AeroIT certification, created specifically for aviation.

“Our own software developers create new technologies and constantly test them in the satcom laboratories. While developing, our company continues to improve the provided services for cockpit and cabin”, concludes Mr. Pashkov.

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