

DESCRIPTION:

Satcom1 offers a solution allowing receiving and place voice calls on aircraft, via wireless LAN. This datasheet describes the services available and cost of service.

ALREADY TESTED AND APPROVED PHONE MODELS:

Nokia E51, E65, E66, E71, E90, N95
Sony Ericsson G705

**SERVICE SUBSCRIPTION:**

Each cell phone and SIM card must be submitted for subscription with Satcom1 once. When a phone is registered with Satcom1, it can be used on any aircraft equipped with AvioIP-GSM enabled avionics e.g. AR250 router by NAT Seattle and other Satcom1 offered solutions depending on size of aircraft and network chosen by customer.

TRANSPARANCY TO GSM USE:

AvioIP-GSM has no impact on the standard phone use. The phone will operate seamlessly, when connected to national GSM network or while roaming on a foreigner network, and the airtime cost in such cases is the GSM operator's costs.

During take off and landing, missed calls due to WiFi disabled will be routed to the GSM voice mail and can be retrieved when user is on ground or in air, when cabin WiFi is turned on again.

PHONE REGISTRATION ON-BOARD:

The phone must register to the wireless LAN on-board the aircraft. Then the phone will register to AvioIP-GSM ground infrastructure. An icon specific to each phone indicates whether the phone is correctly registered to AvioIP-GSM. If registered, then it is possible to place and receive phone calls from the phone.

PLACING CALLS:

To place a phone the user dial the following:

00 <country code> <phone number>

Example: to Satcom1 in Denmark:

00 <45> <46154546>

Then the user press the green key and select "internet call"

RECEIVING CALLS:

The caller on ground should dial the personal GSM phone number of the user as normal practice. The customer's phone will ring on the aircraft. Pressing green key on the phone initiate the conversation.

SERVICE COST:

The cost of using the service is slightly higher than satellite voice costs and can vary between 2.5 and 10 USD/min depending on the Inmarsat technology installed on the aircraft. A monthly fee and roaming charge for incoming calls is applied. Please feel free to contact Satcom1 for more details on the charges.

MINIMUM AIRCRAFT HARDWARE REQUIREMENT:

- Satcom hardware : Inmarsat Swiftbroadband or Swift64
- Wireless LAN 802.11g: Miltope CAP
- AvioIP-GSM router: JetLAN AR250 with AvioIP

GSM SERVICE PROVIDER REQUIREMENTS:COUNTRY:

The phone must come from one of the 45 countries specified by Satcom1 (contact Satcom for the GSM list). Additional countries can be considered by Satcom1 but the time to set this service depends on local telephony ground providers and can take time to get infrastructure to in place to support GSM.

GSM FEATURES AT GSM PROVIDER:

AvioIP-GSM is making use of standard GSM features. The customer's GSM service provider must support some specific standard GSM features so that service can be operational. Satcom1 can evaluate each GSM provider's compatibility on request.

SERVICE SUBSCRIPTION:

To ensure full 100% functionality.

Please indicate to Satcom1:

- The user's phone number of the GSM phone
- The user's GSM service provider
- The GSM phone type in use (Satcom1 can deliver pre-configured phone on request).

Satcom1 will answer within 24 hours the following:

- Whether the service is supported for this country.
- If supported, the procedure to configure the phone and the SIM card with the proper identifiers to operate both on ground and in air.

AVIOIP & AVIOIP EXTENDED SOFTWARE:

AvioIP is unique developed software for airborne multi access router with acceleration, VoIP, e-mail, internet, GSM and much more. Also being offered with individual billing to charge different users is available from Satcom1 in package named Extended AvioIP. To learn more contact Satcom1.