

ГлобалТел

FAX OVER E-MAIL SERVICE

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We represent you the new development of CJSC GlobalTel

FAX OVER E-MAIL SERVICE

The “fax over e-mail” service allows subscribers of the Globalstar mobile satellite communications system to transfer electronic documents in .DOC., PDF., TIFF., XLS and .TXT formats to fax machines. Fax messages are sent from mail programmes as mail enclosures and are received from fax - machines in the form of mail enclosures as well.

Brief Technical Information about the Service

Description of normal fax. The fax machine represents the set of the printer, scanner and modem. The transmitted message is scanned; the image file then converted into a set of electric signals in ITU T.30 format and then transmitted through the telephone network to another fax machine where there is back conversion and printing out is made. The “fax over e-mail” service works similarly, but in Stor-And-Forward mode over the fax-gate implemented on Cisco AS5350 server.

Fax-mail description.

Example: sending a payment order with the signature of the chief accountant and the seal of the organization.

I) At first it is necessary to receive an electronic copy of the document. It can be done in several ways:

1. scanning the payment order and save the image in .TIFF format on PC.

2. Creation of the payment order in the text editor, for example in WORD on PC, having inserted in the text the preliminary scanned seal and signature. To reduce the transmitted information volume and, accordingly, to reduce charges for the asynchronous data transmission it is recommended to scan images in the black-and-white format with the resolution no more than 150 dpi.

II) Further it is necessary to create the email message in your email programm - Microsoft Outlook, The Bat, Outlook Express (it is presumed that you have got FAX-mail service activation along with the email box in the gtel.ru domain additionally to your GlobalTel account – FAX-mail service assigns special 3rd fax number for subscriber UT). The address of real fax in email is written in the field “to whom” in the following way:

FAX=8XXXXYYYYYYY@fax.gtcl.ru

where XXX is the city code;

YYYYYYY is the fax number.

Please note that the city code must ALWAYS be preceded by digit 8.

III) Connect your Telit or Qualcomm Globalstar UT to your PC, access the Internet via the GlobalTel 123 service or another Internet SP and to send the email to designated address.

The system works in the following way:

The email will be received and filtered as a fax message by the GlobalTel gtcl.ru e-mail-server, then Cisco AS5350 server will extract the fax addressee's telephone number, convert TIFF picture file or enclosed .doc file into ITU T.30 fax transmission and will dial-and-send it to the PSTN fax-machine telephone number through the GW GSM/MSC as Globalstar UT call. To enhance the reliability of fax delivery, the sending server will be waiting the confirmation of the message reception during 24 hours, all this time the message will be stored in the server and, if necessary, up to twenty repeated fax transmissions will be made.

To receive the coming fax messages the Customer Care Center of CJSC GlobalTel assigns to the subscriber an additional 3rd fax number (you should not confuse this number with the additional 2nd number for incoming async data calls). The fax message sent over PSTN to this number in the usual way will pass the above mentioned procedure in the reverse order, i.e. it will be received by the GlobalTel GSM/MSC, routed based by the dedicated fax-range B-number to Cisco AS5350 server, AS5350 will receive fax and covert it into TIFF picture file and send email with enclosed TIFF fax-picture at subscriber's email INbox. Subscriber also can be informed about the received fax by an SMS-message if SMSC will be configured appropriately. Then fax-email will be retrieved from the email server and the TIFF fax-picture - printed out. The fax message copy will be stored in the server for unlimited time upon Subscriber desire. GlobalTel also provides opportunity for subscriber to receive emails (including that ones with fax attachments) via any PSTN ISP.