How to set your LES (Land Earth Station) and send emails for Inmarsat C Terminals

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1. INTRODUCTION

Any Inmarsat – C is capable of sending messages to any Internet address through the Internet service at EIK or AUSSAGUEL Teleports. No extra hardware or software is needed on the vessel and either on the shore side.

2. SENDING INMARSAT-C MESSAGES TO INTERNET THROUGH AUSSAGUEL TELEPORT

SkyFile® C enables Inmarsat-C mobile users to send and receive emails as well as GSM-short messages (SMS).

SkyFile C services are available for the messages going through Aussaguel (France) Teleport ONLY.

2.1 Sending messages using a T&T Easymail C-terminal

Before sending an email over Marlink LES, it is necessary to configure Easymail software. Please double-check the 3 following menus:

- E-mail Service Providers
- Default LES
- Default ISP

2.1.1 E-mail Service Provider

Select Options / Configuration / e-mail Service Providers
If you use **EasyMail V1.11** or anterior the following modifications must be applied:

1. Click on **France Telecom**
2. Verify parameters =
3. Add **BCC+**
4. Change the standard address (67) by **28**

If you use **EasyMail V1.12** and following, please select "FT SkyFile-C". All parameters have been updated.
2.1.2 Set default LES

Select Options / Set Default LES

<table>
<thead>
<tr>
<th>Ocean Region</th>
<th>LES Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>West Atlantic</td>
<td>021, Aussaguel</td>
</tr>
<tr>
<td>East Atlantic</td>
<td>121, Aussaguel</td>
</tr>
<tr>
<td>Pacific Ocean</td>
<td>221, Aussaguel</td>
</tr>
<tr>
<td>Indian Ocean</td>
<td>321, Aussaguel</td>
</tr>
</tbody>
</table>

Select Aussaguel on each Ocean Region
2.1.3 Set default ISP

Select Options / Set Default ISP

Verify that France Telecom is selected as « Default ISP »

Or FT SkyFile C if you use EasyMail V1.12 and following
2.2 Sending messages using a T&T CapSat C-Terminal

2.2.1 Create a new Special Access Code

1) Please press F3 on your keyboard to open your addressbook
2) Select “New”
3) Select an Alias (e.g. “SkyFile-C”)
4) Select “Special” or “Special Access Code” or “SAC” (depending of Capsat version)
5) Select “5bit” or “7bit”
6) Enter “28” in “Special Access Code” field
7) Validate by “OK”
2.2.2 Sending an email

Prepare your message within the text editor. On the first line insert the destination address (several addresses could be inserted). They could be followed by CC+, BCC+, SUBJ+ and/or CONF+. Except TO+, all other parameters are optional.

When your message is reading please select “Transmit”.

2.2.3 Select Marlink LES

Before sending your email, please verify all parameters:

- Alias: SkyFile-C
- Special Access Code: 28
- Format: 7bit
- LES: Aussaguel or France Telecom
2.3 Sending messages using a Furuno C-terminal

2.3.1 LES and SAC configuration

To send an e-mail from a c-unit Furuno, please select Marlink Services LES.

\[\text{a/} \quad \text{Select “System” menu and choose “Station List”}\]
\[\text{b/} \quad \text{Enter “Name” Marlink Services, “Type” SPEC, “Station ID” 28, “Remarks” blank}\]
\[\text{c/} \quad \text{You will need one address book entry per Ocean Region}\]

For Atlantic Ocean Region west select 021
For Atlantic Ocean Region East select 121
For Pacific Ocean Region select 221
For Indian Ocean Region select 321

How to send a message?

\[\text{d/} \quad \text{Choose “Editor” screen from the “File” menu}\]
\[\text{e/} \quad \text{Enter email address on the first line as shown below. Please start your message on the next line}\]
\[\text{f/} \quad \text{Choose “Send” from the “Send / Rec” menu}\]
\[\text{g/} \quad \text{From “Send message” screen, choose “Priority” Normal, “Message File”, Message now being edited, “Station Name” Marlink, “LES ID” as per table above, “Confirmation” optional.}\]

2.3.2 E-mail addresses format

As per step 5 above, type the e-mail address on the first line in this format:

TO+ receivername@domainname.com

Example: TO+ servicedesk@marlink.com

For multiple addresses, please use CC+

Example: TO+ servicedesk@marlink.com
CC+ myfriend@yahoo.com
CC+ mysister@free.com
For a complete End-to-End confirmation please use CONF+

Example: 

TO+ servicedesk@marlink.com 
CONF+

For subject, please use SUBJ+

Example: 

TO+ servicedesk@marlink.com 
SUBJ+ this is a test message

For SMS, please use SMS+

Example: 

SMS+ +33688056789
2.4 Sending messages using a JRC C-Terminal

2.4.1 LES and SAC configuration

To send an e-mail from a c-unit JRC, please select Marlink LES.

- From the Edit option of the main menu, choose edit ASCII file
- Type a file name for your message
- Type the destination address on the very first line of your message as shown below.
- Type your message starting on the next line, Then choose Transmit (F6)
- Select Special Access Network and enter Special Access Code 28
- Select Position Off, Character Code Data, Confirmation Optional
- Choose the appropriate LES from the table below, then F1 to send your message

<table>
<thead>
<tr>
<th>Region</th>
<th>Select Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atlantic Ocean Region West</td>
<td>021</td>
</tr>
<tr>
<td>Atlantic Ocean Region East</td>
<td>121</td>
</tr>
<tr>
<td>Pacific Ocean Region</td>
<td>221</td>
</tr>
<tr>
<td>Indian Ocean Region</td>
<td>321</td>
</tr>
</tbody>
</table>

For Atlantic Ocean Region West  select 021
For Atlantic Ocean Region East select 121
For Pacific Ocean Region select 221
For Indian Ocean Region select 321

2.4.2 Email address format

As per step 5 above, type the e-mail address on the first line in this format:

TO+ receivername@domainname.com

Example: TO+ servicedesk@marlink.com

For multiple addresses, please use CC+

Example: TO+ servicedesk@marlink.com
          CC+ myfriend@yahoo.com
          CC+ mysister@free.com

For a confirmation please use CONF+ (positive acknowledgement indicates that email address format is valid and that e-mail domain name is existing)

Example: TO+ servicedesk@marlink.com
          CONF+
Example: TO: servicedesk@marlink.com
SUBJ: this is a test message

For SMS, please use SMS+

Example: SMS+ +33688056789

2.5 Sending messages using a Felcom 19 terminal

On the main menu go to Set up / email set up / choose Vizada France
3. SENDING INMARSAT-C MESSAGES TO INTERNET THROUGH EIK TELEPORT

Any Inmarsat-C terminal is capable of sending messages to any Internet address through the Internet service at EIK. No special software or registration at EIK is required.

To be able to send messages to Internet you must define the address of the EIK Internet service in the Inmarsat – C address book. Refer to your Inmarsat – C’s user guide on how to add a new address to the address book.

Make a new address with the following parameters:

Name: Any, e.g. EIKINTERNET
Address type: Special access
Number: 28
Char code: 7 BIT
LES: EIK
3.1 Sending a message:

The message to an Internet User is prepared in exactly the same way as any message using the Inmarsat – C terminal. The very first line of the message must start with the Internet address of the recipient, preceded by the keyword “TO” and a colon. The address must be specified on a single line and must be a fully qualifying Internet address.

Example of the message:

To: HENRY.FORD@TT.DK
Text of the message
Regards, Tim

When the message has been completely prepared it must be sent to the address of the EIK Internet service.

3.2 PDN Positive Delivery Notifications

Requesting a positive delivery notification will cause EIK to return a PDN, as soon as the Internet gateway has successfully delivered the message to the Internet. This does not imply that the message has reached its destination. The message could still fail if the recipient address is wrong.

3.3 NDN Negative Delivery Notifications

If the delivery of the message fails somewhere between the Inmarsat terminal and the Internet gateway at EIK, a standard NDN will be returned to the Inmarsat terminal. Once the message has been delivered to the Internet, the message handling is completed in terms of the Inmarsat-c protocol.

3.4 Multiaddressing

Multiple recipients for a message may be specified by listing all recipients separated by semicolon on a single line.

3.5 CC Carbon Copy

One or more ‘CC’ recipient(s) may be specified by adding a keyword and CC and a colon followed by the recipient address (es) separated by semicolon on a single line.

3.6 CC Subject text

Adding the keyword subject and a colon, followed by the subject text on a single line may specify a subject text describing the message. This text will appear in the subject field of the recipient’s Internet mail reader.
Example of a message using all the above options:

TO: HENRY.FORD@TT.DK; SEMICOLON; TOMMY.HANSEN@TT.DK
CC: HENRIK.MUNCH@TT.DK
SUBJECT: TEST MESSAGE.

Test of the message

Regards, TIM

4. MARLINK LES CODES

4.1 Teleport Norway EIK
AORW 004
AORE 104
POR 204
IOR 304

4.2 Teleport France AUSSAGUEL
AORW 021
AORE 121
POR 221
IOR 321
5. NEED SUPPORT?

If you have any questions, please contact your Key Account Manager or Marlink Service Desk:

Email:          servicedesk@marlink.com
EMEA:           +33 (0)1 70 48 98 98
Americas:       +1 (310) 616-5594
                +1 855 769 39 59 (toll free)
Asia Pacific:   +65 64 29 83 11