

Appendix E

Template and information on the Greenland VMS (Vessel Monitoring System)

Xantic - Inmarsat C services
DATA REPORTING & POLLING application form

See explanatory notes on the back of this form

3. REGISTRATION New Inmarsat-C DNID

<p><i>To be filled in by Xantic</i></p> <p>DNID NUMBER</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 12.5%; border: 1px solid black; height: 20px;"></td> <td style="width: 12.5%; border: 1px solid black; height: 20px;"></td> <td style="width: 12.5%; border: 1px solid black; height: 20px;"></td> <td style="width: 12.5%; border: 1px solid black; height: 20px;"></td> <td style="width: 12.5%; border: 1px solid black; height: 20px;"></td> <td style="width: 12.5%; border: 1px solid black; height: 20px;"></td> <td style="width: 12.5%; border: 1px solid black; height: 20px;"></td> <td style="width: 12.5%; border: 1px solid black; height: 20px;"></td> </tr> </table>								

Up to 20 DNIDs can be registered under a Username. Up to 255 mobile ID's can be associated to each DNID (1 to 255)).

**If you want to apply for more than one new DNID, please duplicate this page as many times as you need (one page per DNID) and attach the filled-in extra pages to this application form.*

Which LES ID do you prefer to use?:

- 12 22

Delivery mode for Data Reports (only one delivery address possible):

- Delivery in DNID-file for retrieval (not available for e-mail users)
 For emergencies, please provide e-mail address where we can deliver the data reports in the case a DNID file runs full:

- or Direct delivery to destination,
 or Delivery in DNID-file for periodical forwarding to destination
 Period:

Please indicate destination (only one address possible)

The given address will be used for delivery of reports received from all four ocean regions. If necessary, you may choose a different destination address per ocean region. If you choose so, please indicate address per ocean region.

- | | |
|----------------------------------|---|
| <input type="checkbox"/> PSTN, | Number: |
| <input type="checkbox"/> PSDN, | Number: |
| <input type="checkbox"/> Fax, | Number: |
| <input type="checkbox"/> Telex, | Number: |
| <input type="checkbox"/> E-mail, | Address.... GFLK.POS@KANUAANA.GL |

Used Software program (data report delivery format options):

- Capsat Manager
 Other, which one?

If other than Capsat Manager, please indicate data report delivery format options (consult manual Xantic Data Reporting Formats for explanation):

Data report decoding parameters:

- Decode type (choose only one): No conversion Textual conversion T&T default header
 Drop non decodable: yes no
 Follow on disable: yes no

Message headers:

- API headers yes no
 Text header yes no if yes, indicate desired header
 Data header yes no if yes, indicate desired header

Polling:

- Polls sent using PSTN, PSDN, telex, C-terminals, TCP/IP
 Polls sent using Inmarsat C e-mail (Sat400) by **any** email address using Userid (=Username) and Password authentication (Only available through LES ID 12).

Please indicate desired **password** (eight alphanumeric characters):

--	--	--	--	--	--	--	--

Please be aware that you cannot change this password on your own.

If you wish to change the password later on, please contact Xantic.

Polls sent using Inmarsat C e-mail (Sat400) by following address(es):

.....
.....
.....

No NDN / PDN are offered for Data Reports.

(Please retain this section for possible future changes you may require)

**Xantic - Inmarsat C services
DATA REPORTING & POLLING application form**

For modifications, fill in only this page and e-mail it as PDF or fax it to: **service.xantic.net / fax: +61 7 5498 0098**

Company name:
Person sending the request: **Signature:**
Date:

By submitting this form, I hereby declare that:

- a. I am the owner of these mobiles OR I have obtained written authority from the owner/s of these mobiles to add them to my DNID.
- b. I am responsible for paying the Xantic charges for Data Reporting incurred by the mobiles registered under this DNID.
- c. I am fully responsible for the proper use of this service.

4. MODIFICATIONS: download/delete existing DNID

Please fill in:
 USERNAME

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

4a. ADDITION / Re-download Mobile IDs to existing DNID(s)

DNID	Member Nr.	Mobile Number (9 digits)	Mobile Serial Number Mandatory (**)	Vessel Name (if Maritime Unit) (optional)	Model C terminal	Ocean Region(s)

*If you need more space, please add lines or duplicate this page and attach it to the application form.
 (**) Inmarsat regulations requests LESOs to verify authenticity ownership / authorization to download. A check of the mobile serial number against Inmarsat databases is part of the verification procedures. Not matching data will lead to notification to Inmarsat and no download of the DNID.*

4b. DELETIONS

DNID.	Member nr.	Mobile Number (9 digits)	Vessel Name (if Maritime Unit) (optional)	Ocean Region(s)

**If you need more space, please add lines or duplicate this page and attach it to the application form.*

(Please retain this section for possible future changes you may require)

**Xantic - Inmarsat C services
DATA REPORTING & POLLING application form**

Signature

- 5.** The contracting party agrees to the Xantic service, tariffs and payment conditions related to this service. Applicable to this request and the possible contract emerging of it, are the "Xantic General Terms & Conditions for Airtime and Value Added Services End-User Agreement" attached to the "Xantic Airtime and Value Added Services End-User Agreement". If you are a new customer, please request a copy of this Agreement from our Customer Service Centre (service@xantic.net) and return it signed by fax/ post.

Please be aware that registered users that have not made traffic during more than 6 consecutive months may be deleted from our system. For more information on conditions and tariffs contact your Xantic Sales Manager or Xantic Customer Services (see contact details below).

I hereby declare that:

- I am the owner of these mobiles OR I have obtained written authority from the owner/s of these mobiles to add them to my DNID.
- I am responsible for paying the Xantic charges for Data Reporting incurred by the mobiles registered under this DNID.
- I am fully responsible for the proper use of this service.

For applications on behalf of companies and other organisations a duly authorised person must sign

<i>Name contracting party or assignee</i>	<i>City</i>	<i>Date</i>	<i>Signature</i>
.....			

Remarks Xantic Sales

.....

**New Xantic customers should fax at least this last page to + 61 7 5498 0098
The rest of the form can be sent digitally to service@xantic.net**

Xantic - Inmarsat C services
DATA REPORTING & POLLING application form

6. AUTHORISATON FOR REQUESTS VIA EMAIL

I,.....,hereby authorise Xantic to process **all** new Data Reporting & Polling applications, modifications and cancellations and DNID downloads, modifications and deletions requests submitted by Companyto Xantic via E-Mail.

I hereby declare that by sending these applications via Email, I have met the following conditions:

- I am the owner of these mobiles OR I have obtained written authority from the owner/s of these mobiles to add them to my DNID.
- I am responsible for paying the Xantic charges for Data Reporting incurred by the mobiles registered under this DNID.
- I am fully responsible for the proper use of this service.

The following persons and / or Email addresses are authorised to send these requests on behalf of company

1.
2.
3.

Signed: _____ Name: _____ Date: _____

www.xantic.net

Xantic Customer Services

Email: service@xantic.net

Access via Australia

Tel: +61 7 5498 0000

Fax: +61 7 5498 0098

Telex: (71) 22432 TELCSC AA

Access via the Netherlands

Tel: +31 70 343 4543

Fax: +31 70 343 4796

Explanatory notes for the completion of the Xantic Application for: Inmarsat C - Datareporting & Polling service

Service Descriptions

- **Inmarsat-C Data Reporting and Polling**

Allows fast and cost effective transmission of small data packets from mobile terminals. Data may originate from sensors or other hardware devices connected to the mobile terminal. Polling allows for the broadcast of signals with or without text from one fixed location to one or more terminals.

- **Inmarsat-C Communication and messaging via two-stage-access**

Registration for Inmarsat-C Datareporting & Polling will also automatically authorize you to send ordinary messages via the terrestrial network and through Xantic, to mobile C-terminals in the AOR-E, AOR-W, IOR and POR. Inmarsat-C communication is on a store and forward basis. Inmarsat-C charges are per 256 bits. The Two-stage Access registration is free of charge (no charges for Username and Password).

- **Inmarsat-C Communication and messaging via e-mail**

Registration of your e-mail address for Inmarsat-C Datareporting & Polling will also automatically authorize you to use the C-email SAT.400 service to send ordinary messages via the Internet through Xantic, to mobile C-terminals in the AOR-E , AOR-W , IOR and POR. Inmarsat-C charges are per 256 bits.

- **Payment**

The Data Reporting & Polling services require a direct billing relationship with Xantic B.V. For new customers, Xantic reserves the right to perform a preliminary financial check.

Xantic charges no administrative handling fees. Each month the registered customer will receive a specified bill. Following the approval of the application the registered customer will receive a *USERNAME* and *PASSWORD* for messaging and Polling services which will identify the registered user as an officially registered member with Xantic. Customers will only have access to those services for which they are registered.

For Data Reporting and Polling Services the customer will receive a monthly invoice from Xantic.

- **Datareporting & Polling registration**

A Data Network ID (DNID) or closed user group number is necessary for use of Data Reporting and Polling services.

Each DNID is connected to one terrestrial address. Data reports from all mobile terminals using this DNID will be routed to this address. Data reports can be either delivered immediately to the destination, or kept in a DNID-file (except for e-mail delivery).

Possible choices are:

Immediate delivery via:

- | | |
|---------|---|
| PSTN: | The international/national telephone network. All data reports will be routed to a telephone number. Xantic will deliver the data reports to your application via a voice-band modem. |
| FAX: | Data reports will be converted to FAX format and routed to a FAX number. |
| PSDN: | The international/national X.25 network. |
| Telex: | Data reports will be delivered by telex. |
| E-mail: | Datareports will be delivered via e-mail. |

Delivery to DNID file/mailbox:

Data reports will be collected and stored in the DNID file at the LES. The DNID file can be retrieved by the user or forwarded to its destination at pre-defined intervals.

- **Datareporting & Polling registration charges**

No registration fees apply to this service. No periodical subscription fee is charged. No charges apply to the issue of Usernames and Passwords.

Charges for data reporting are per report and depend on the size of the report. Charges for polling are per 256 bits and per ocean region, expressed in US dollars (USD). Australian customers will be billed in Australian dollars (AUD).

For information about charges please contact Xantic Customer Services.



Aallsarnermut, Piniarnermut Nunalerinermullu PIsortaqarfik

Department of Fisheries, Hunting and Agriculture

Grønlands Fiskerilicenskontrol (GFLK/KANUAANA)

Greenland Fisheries License Control Authority

Subject: Vessel Monitoring System (VMS) in Greenland.

31.March 2010
J.nr. 21.31.03

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www.nanoq.gl

Greenland Fisheries License Control Authority (GFLK) operates a Vessel Monitoring System in order to keep at track on all foreign fishing vessels as well as domestic vessels above 90 BT operating inside the Greenland EEZ.

The Greenland Command (GLK) has access to the VMS and uses it when they in force the sovereignty of the EEZ and carry out fishery patrol. Further, they use the VMS-information during SAR-operations.

The VMS system is based on two types of transmitters installed on board the vessels. Deep-sea fishing vessels operating outside the base line is equipped with an Inmarsat-C, which via a DNID (Data Network ID) and the LES Station12 forward hourly position reports to GFLK Fisheries Monitoring Center (FMC). Smaller coastal vessels mainly operating inside the base line are equipped with an ARGOS unit, which through the LES in Toulouse forward hourly reports to the same FMC.

Whereas, GLK and the Bureau of Minerals and Petroleum need to keep a track of the seismic vessels in the Greenland EEZ seismic vessels should report hourly positions to the FMC. This will enable the Bureau of Minerals and Petroleum effectively to sort out any conflict between the seismic activities and the fishery if fishermen claim compensation for loss of catch or indemnity for damaged gear.

GFLK applies a set of provisions on secure and confidential treatment of the position reports received in the VMS. No position reports can be made available to other than GFLK, GLK and the Bureau of Minerals and Petroleum.

Seismic vessels equipped with a Inmarsat-C transceiver, preferably a Thrane & Thrane, should arrange for the download of a DNID to the terminal and have the terminal programmed to forward position reports including course and speed every hour. The DNID should be downloaded before arriving the Greenland EEZ and duly tested before the seismic operations commence. Seismic vessels with an approved LRIT installation may use this system to report their position to GFLK.

If the seismic vessel prefers, it can be arranged that the vessel lease an ARGOS unit at O.S. Electronic ApS in Nuuk. The unit can be installed in Nuuk at arrival and removed when the vessel leaves Greenland waters.

Annexed to this note is an application form for the download of DNID (Application for Inmarsat-C DATA REPORTING and POLLING) page 2 has been filled in by GFLK.

A copy of this form must be forwarded to GFLK together with information on the DNID and member number allocated by Xantic.


Yours sincerely _____