Dec 01 14:30 1995 towhom Page 1

To Whom It May Concern:

Trimble Navigation is a manufacturing firm seeking to commission one (1) Standard-C unit for use in the domestic U.S. for testing and verification of Inmarsat-C protocols.

Trimble Navigation personal will the ultimate user and operator of unit. We wish to commission on Dec 11, 1995. We have forwarded our FCC Form 442 to the FCC for a license to operate this unit in the domestic U.S.

John E Crane

(for Trimble Navigation, Limited)

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COMSAT COMMISS'G

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# Inmarsat-C Land Mobile Earth Station Commissioning Application Form

Maritime Users should use a maritime application form



Please type of use BLOCK CAPITALS. Forward to your national routing organization. Explanatory notes are provided to assist you. SECTION A. APPLICATION DATA Office use only RO: Routing organization: Country (of registration): Appl. No: Total No. of Inmarsat-C LMES currently commissioned: Country: SECTION B. INSTALLATION DETAILS Complete only one of the following 3 parts. Please tick the appropriate boxes. Part 1. Fixed installations. If the installation is at a fixed location please complete: Location name: \_ Country: \_ Usage (please tick) Attended Unattended Will it be part of a fixed group? Yes No Part 2. Use on a vehicle. If the installation is on a vehicle please comoplete: Vehicle registration:\_ Country of vehicle registration: Part 3. Use as a portable or transportable. If the installation is portable or transportable, please tick: Portable Transportable Will it be used internationally? Yes No SECTION C. USER INFORMATION Please tick only one appropriate box in each column. Type of use or vehicle: Industry: Env: Remote data collection/control Transport/distribution Business/office communications Media Truck > 10t. **Telecommunications** Truck < 10t. Financial sector Coach/bus Government Car Lease/hire Incl: Rail operations Natural resource management Rail passenger use Construction/Mining Inland waterways 7 Police/firc/ambulance Other MARKETING AND ENGINEERING Fuel/power industries Disaster relief MANUFACTURER

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SECTION D. APPLICATION DETAILS TRIMBLE NAVIGATION App: Name: NORTH MARY Address: \_ 94088-3692 U.S.A. JUNDYVALE CALIFORNIA JAhn E. CRANE 94088-3642 Post/ZIP: Fax: (408) 481 2020 Tlx: SECTION E. EQUIPMENT DETAILS Mftr: The following information is essential. Ensure it is correct as errors could delay the processing of your application. If this application is for more than one terminal, please complete the last page. HRANE & THRANE A/S Model: TT 3022A Manufacturer: Serial number:\_\_ IMN: Four letter desired in tlex answer back: \_ Do you have a high-gain antenna? X No Yes nov 28. Date terminal purchased: If privacy is required please tick 7.30 Software revision number: \_\_ SECTION F. OWNER/LICENSEE DETAILS Owner: Owner (if different from applicant): Name: \_\_\_ Address: \_\_ Post/ZIP: \_\_\_\_\_ \_ Fax: \_\_\_ Tel: \_\_\_\_\_ \_\_\_\_\_\_ Tlx:\_\_\_ Land mobile earth station licensee Licensee: (or indicate if same as applicant or owner): Name: -Address: \_\_\_\_\_ Post/ZIP: Tel: \_\_\_\_\_ Fax: \_\_\_\_\_ \_\_ Tlx;\_\_\_\_\_

Date:.

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to Inmarsat for such compliance by the LMES,

R.O. Rep. Name: \_

TRIMBLE NAVILATION, LTD

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	N N N N N N N N N N N N N N N N N N N
	SECTION G. BILLING DATA
	After satisfactory attempts have been made to resolve issues delaying payment for telecommunication services, LES operators have the right to suspend service to land mobile earth station users due to non-payment of invoices. Services will be reinstated only after a payment is received in full or an agreement is reached between the two parties.
AAIC:	Part 1. Mandatory ITU Accounting Authority
	14504
	AAIC code (if known)
	Name:
	Address:
	Post/ZIP:
	Tel: Fax: Tlx:
	· · · · · · · · · · · · · · · · · · ·
	Part 2. Other billing options (if permitted by the routing organization and LES operator)
BE:	2.1 Billing entity code (if known):
	Name: TRIMBLE NATION, LTd.  Address: P.O. BOX 3642
	Address: Y.O. DOX 1692 SUNDY VALE (ALIFORNIA
	John The Charles
	POST/ZIP: 94088-3642 Tel: (408)41-8000 Fax: (408).481-8909 Tix:
	Part 2.2 Credit/Charge card:
	Card type (e.g. Amex, Visa etc): Expiy date:
	Card number:
	Name (on card):
OF DTIFICAT	TON AND ACREMENT
	ION AND AGREEMENT
space segment	rees to comply with the attached terms and conditions for the utilization of the Inmarsat by the land mobile earth station (LMES) described in this application, and the Routing grees, pursuant to Article XIV (3) of the Inmarsat Operating Agreement, to be responsible

Signature:

# For applications covering groups of mobile earth stations

This section may only be used if the billing arrangments and ownership details in the case of each mobile earth station are identical.

It is important that this information is given exactly as indicated on the equipment. Any differences will delay processing of this application.

1.1	Manufacturer	2.1	Maufacturer
1.2	Model Name		Model Name
1.3	Unit serial No.		Unit serial No.
1.4	Four letters desired in telex answerback	2.4	Four letters desired in telex answerback
1.5	Inmarsat Mobile Identity Number		Inmarsat Mobile Identity Number
3.1	Manufacturer	4.1	Maufacturer
3.2	Model Name Unit serial No.	4.2	Model Name
3.3	Unit serial No.	4.3	Unit serial No.
3.4	Four letters desired in telex answerback	4.4	Four letters desired in telex answerback
3.5	Inmarsat Mobile Identity Number	4.5	Inmarsat Mobile Identity Number
	:		
5.1	Manufacturer		Maufacturer
5.2	Model Name	6.2	Model Name
5.3	Unit serial No.	6.3	Unit serial No.
<b>5.</b> 4	Four letters desired in telex answerback		Four letters desired in telex answerback
5.5	Inmarsat Mobile Identity Number	6.5	Inmarsat Mobile Identity Number
7.1	Manufacturer	8.1	Maufacturer
7.2	Model Name	8.2	Model Name
7.3	Unit serial No.	8.3	Unit serial No.
7.4	Four letters desired in telex answerback	8.4	Four letters desired in telex answerback
7.5	Inmarsat Mobile Identity Number	8.5	Inmarsat Mobile Identity Number
9.1	Manufacturer	10.1	Maufacturer
9.2	Model Name	10.2	Model Name
9.3			Unit serial No.
9.4	Four letters desired in telex answerback	10.4	Four letters desired in telex answerback
9.5	Inmarsat Mobile Identity Number	10.5	Inmarsat Mobile Identity Number
11.1	Manufacturer	12.1	Maufacturer
	Model Name	12.2	Model Name
	Unit serial No.	12.3	Unit serial No.
11.4	Four letters desired in telex answerback	12.4	Four letters desired in telex answerback
11.5	Inmarsat Mobile Identity Number	12.5	Inmarsat Mobile Identity Number

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### TERMS AND CONDITIONS FOR THE UTILIZATION OF THE INMARSAT SPACE SEGMENT BY LAND MOBILE EARTH STATIONS

Arlicle 1:

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Scope of Terms and Conditions

Subject to, and complementary to, the relevant provisions of the INMARSAT Convention and Operating Agreement, and any further terms and conditions that INMARSAT may attach, the terms and conditions set forth herein shall apply to the authorization made by INMARSAT to the Licensee of the Land Mobile Earth Station (LMES) described in the attached Access Authorization Certificate, with respect to the utilization of the INMARSAT Space Segment by IM LMES

#### Article 2: Land Mobile Earth Station Performance, Criteria and Operations

- **(A)** Authorization Subject to Compliance with Technical and Operating Requirements
- Throughout its utilization of the INMARSAT space segment, the LMES shall comply with the criteria and performance etandards to which it was type (1) approved by INMARSAT, and the LMES Operator shall comply with the operating procedures notified by INMARSAT to the LMES Licensee and LMES
- The authorization to utilize the INMARSAT space geometric shall be conditional upon such compliance. The LLMES Operator shall not utilize the INMARSAT (2) space segment for any purpose or in any manner other than as specified in the application for authorization and in theses Terms and Conditions, without the prior written consent of INMARSAT.
- **(B)** Sanctions in the Case of Non-compliance
- INMARSAT stall pe critical, at any time or times, and with immediate effect, unitaterally to modify, restrict, evapend or terminate, temporarily or permanently, (1) the authorization by notification to the LMES Licensee and LMES Operator, if WMARSAT doesns the LMES Operator to not so comply, or to precise a utilization not so authorized, no mader what the cause or causes of such non-compliance or practice.
- Unless the authorization has been terminated, PAMARSAT shall IR such modification, restriction or suspension, it is is demonstrated to ENMARSAT's **(2)**. selfsfection that compliance has been resumed and will be regimished, or that such unauthorized practice has been and will be decodificated by the LMES Operator.
- Suspension and Termination in Special Circumstances **(C)**
- The authorization shall be deemed to be suspended during any period in which persistent malfunction or any operation of the LMES that degrades the (1) performance of the RUMARSAT space segment occurs.
- The authorization what be deemed to be terminated II any one of the following dircumstances occurs: (2)
  - any change in the information contained in the commissioning application which would require a change in LMES identity;
  - **(O)** significant modification or change to the LMES.
- The LMES Licensee or LMES Operator, as the case may be, shall notify intMARSAT promptly of any of the events specified in paragraphs (1) and (2) above. (3)
- Compliance with National Regulations

in willing the RNARSAT; space eagment, the LMES Licensee and LMES Operator shall comply with the regulations governing the use of maliocommunications of any State in which the LMES is located at any time.

- Suspension for Non-Payment of Accounts and Other Causes
  Without projudical to any of the other remedies and provisions of these Terms and Conditions or at law, immunest and any or all of the land earth station **(T)** (LES) Operators in the immarket system may, individually or jointly, suspend the authorization due to non-payment of accounts for the telecommunications services provided by the LESs, unauthorized use of the LMES, loss or their of the LMES, fraudulent abuse of or by the LMES, any other non-compliance with these Terms and Conditions, insolvency of the LMES Licenses, the LMES Operator or their designated entity responsible for payment of accounts, or any other reason established under the immerset Barring Procedures.
- Upon being satisfied that the causes of the suspension have been remedied, inmansat and the LES Operators may lift the suspension.
- The discisiner of inmersal and other persons and entities under Article 4 (Telecommunications Discisiner) of these Terms and Conditions shall apply to any claims arising from suspension of this authorization by immersal and the LESs for reasons specified in this Article.

#### Arlicia 3: Financial Obligations

The establishment of charges (or the telecommunications services provided by the tand earth stations (LESs) is the prerogative of the owner end/or operator of the LES. As accounts for telecommunications services via the LESs must be paid without delay. In the event of delayed payment, the LESs concerned may decontinue telecommunications services for the LMES in default.

#### Article 4: Telecommunications Discialmer

INMARSAT. In Parties, Signalories, their officers, employees, agents, the lessons, manufacturers and other providers of the INMARSAT space segment, or their essigness, or any of them, shall not be stable to the LMES Licensee or any other person or entity for any direct, indirect or consequential loss, damage, liability or expense sustained by reason of any unavailability, delay, interruption, disruption or degradation in or of the INMARSAT space segment capacity or any modification, restriction, suspension or termination of the authorization, regardless of the cause or causes thereof.

#### Article 5: Language and Communications

- These terms and conditions and all documentation and communications required thereunder shall be in the English language.
- All communications pertinent to the authorization or to these terms and conditions shall be made or confirmed, by telex, facsimile, data transmission of other Œ written form. Communications by INMARSAT to the LMES Licensee shall be sent to its tast known address and communications to the LMES Operator shall be sent to the LMES.

#### Article 5: Amendments

The terms and conditions as herein stated are subject to amendment by the Council of INMARSAT, such amendment to become effective upon the date specified by the INMARSAT Council, but not less than thirty (30) days after the date of notification of the amendment to the LMES Licensee, the LMES Operator and the Routing Organization through which the LMES Ucensee's application for authorization was lonwarded to INMARSAT.

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### GUIDELINES ON COMPLETING THIS APPLICATION FORM

To use your land mobile earth station (LMES), it must be commissioned. This means the equipment must be tested to see it functions correctly and does not jeopardise the integrity of the immersat system.

Before these tests, information is required concerning the LMES, the owner/licensee, the billing authority and your national Routing Organization (RO), who processes the application and who allocates you an Inmarsal Mobile Number (IMN), which will be used by public service subscribers to communicate with you.

The agent selling your LMES can advise you on who is your national RO. An up-to-date listing of ROs may be obtained from Irimarsat. All completed applications must be forwarded to a Routing Organization.

The RO will notify you of your IMN and when commissioning may take place. Your LMES may be commissioned at any time or place after this date, simply by activating a terminal log-on or test request procedure - refer to the Operator's instructions supplied with your LMES. It is possible for commissioning to take place anywhere in the world providing your mobile earth station is within coverage region of an inmarset satellite.

If you have any difficulties completing the application, you should contact your national Routing Organization. Falling this, the Inmarset Land Mobile Commissioning Unit is open between 08:00 and 17:00 UTC, Monday to Friday, at the following numbers and address:

Telephone:+44 71 728 1518 Telefax:+44 71 728 1142 Telex:297201 INMSAT G

Inmarsat Land Mobile Commission Unit 99 City Road London EC1Y 1AX

United Kingdom

How to fill in the form:

Section A Application Data

Fill in the country where your LMES will be registered and the name of the national RO of that country.

Section B Installation Details

Complete only one part of this section. Specify whether your LMES will be used at a fixed location, or on a vehicle or as a Portable or Transportable. A Portable terminal can be hand-carried and used while on the move. A Transportable can also be hand-carried, but needs to be set up in a stationary position before use.

Section C User Information

Please tick only one box in each column, one indicating the type of use or type of vehicle and another indicating the industry in which the LMES will operate. If you are unsure you should tick the box marked "Other".

Section D Applicant Details

Complete this section with your own name and address details.

Section E Equipment Details

It is very important that these details are correct. You must fill in the name of the manufacturer of your LMES as well as the model name. The serial number must correspond exactly to the serial number of the LMES ranscelver (not the antenna). It is this number which is used to link the IMN with the codes that are actually sent on the radio path to establish communications with the LMES. If you desire a particular answerback for telex subscribers calling your terminal, you must indicate it here. If your antenna is a high gain antenna you should note this in the appropriate box. Please also indicate if your terminal should be "Private" - not listed in any terminal directories. You should note the terminal software revision number in this section too.

Section F Owner and Licensee Details

If you are not the owner of the LMES or are not licensed to use it, you must indicate the name and address of both the owner and the licensee here. The licensee is the person or entity holding the national radio license for the mobile earth station installation.

Section G Billing Data

Part 1 must be completed for all applications. This is the authority to which accounts for the LMES will be forwarded, unless terms under Section G. Part 2 are applicable. All recognised accounting authorities have been assigned codes. If this code is known and entered in the appropriate space, the other items in this section may be left blank.

Part 2 is an optional section. Certain Houting Organizations permit the use of credit cards or billing entities as well as ITU Accounting Authorities. All authorised billing entities have been assigned codes. If this code is known and entered in the appropriate space, the other items in this section may be left blank.

After satisfactory attempts have been made to resolve issues delaying payment for telecommunication services. CES/LES operators have the right to suspend service to LMES users due to non-payment of Invoices. Service will be reinstated only after a payment is received in full or an agreement is reached between the two parties.

Cartification and Agreement

You must clearly write or type your name here and sign and date the application at this point. The terms and conditions applicable to operation of your terminal are available on the reverse of this page.

COMSAT COMMISS'G

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## REQUEST FOR SPACE SEGMENT TO BE USED WITH LAND-BASED SES TERMINALS

The Federal Communications Commission (FCC) requires COMSAT Mobile Communications to obtain authorization for providing space segment to be used in providing services via land-based ship earth station terminals. The FCC will authorize COMSAT to provide space segment for such services only under certain conditions. The FCC will approve temporary limited use of such stations only where no other means of communications are available such as in the case of emergency situations resulting from disasters or where these terminals are the only adequate means of meeting urgent communications requirements in remote locations. In order to enable us to obtain FCC authorization, the following information is required. John E. CRANE FOR RIMOLE Applicant: Brief description of applicant's business: And development Envineering FOR Communication PRODUCTS Rimble's Communication Ultimate user of terminal: / EALINEERING MARKETIN Rimble Who will operate the terminal?: where will the terminal be operated? SUNNYVALE (ALIFORNIA Explain the services for which the terminal will be used and why no other means of communications are available: PRODUCT TESTIAND communications \_

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authorization request was submitted.

COMSAT COMMISS'G

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What is the required timeframe for use of the terminal for this service?  $\frac{|n| \xi f_i p_i \eta \xi}{|n|}$ Have you obtained authorization from the FCC (commercial applicants) or NTIA (USG applicants) for ground segment use of the terminal? Please provide authorization date or date the

\*\*(NOTE) - Customers are to be informed that they are responsible for filing with the FCC' Office of Engineering Technology an experimental license form (Form 442) which is the procedure the FCC follows for these TAs. This applies to all Land-Based terminals for domestic (U.S.) only.