

EXHIBIT NO. 1

To Form 442 Alden Electronics, Inc.

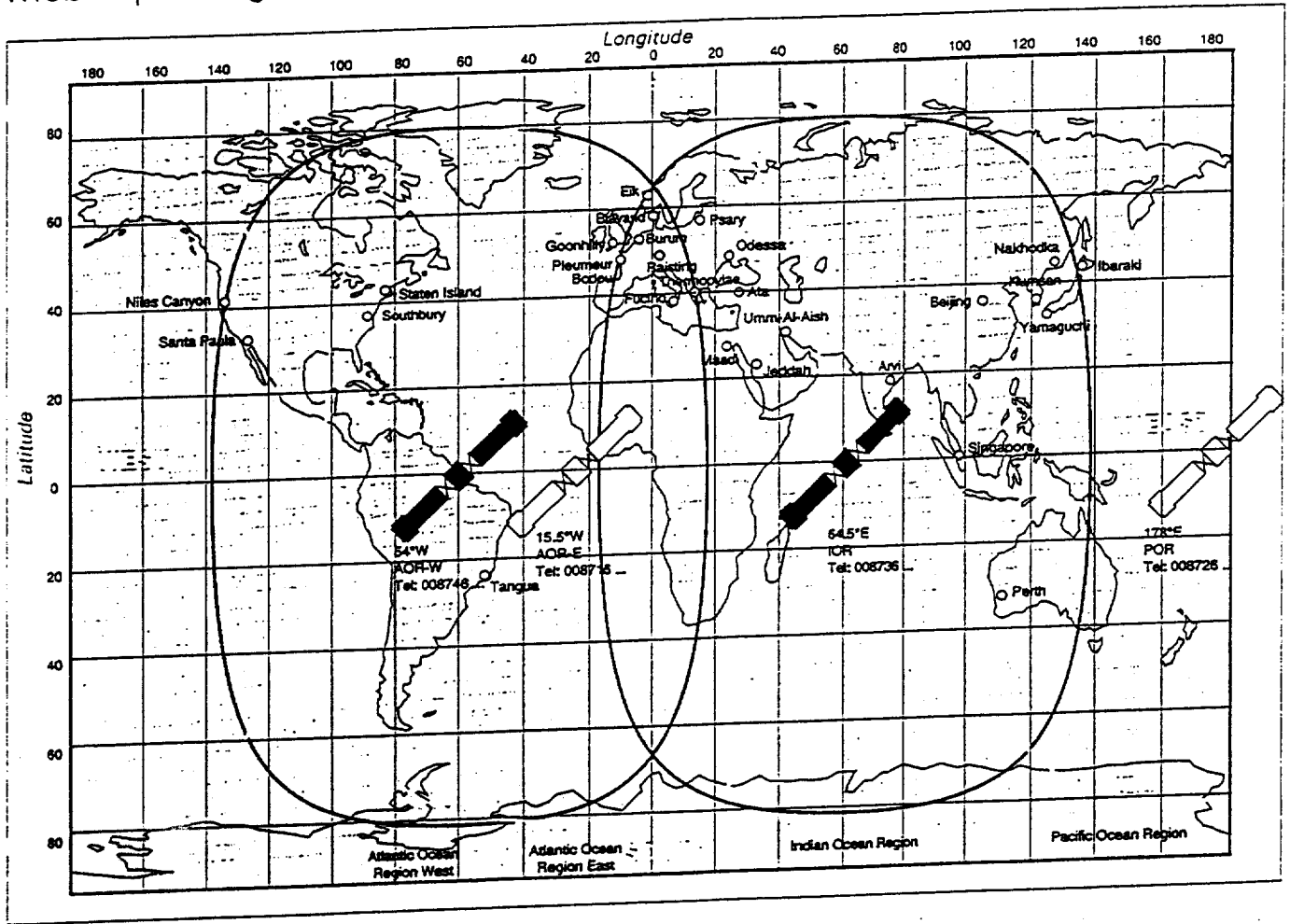
Questions 10 FCC Form 442

- a. Authorization is for an INMARSAT-M transportable terminal. Alden Electronics is the U.S. distributor for Hagenuk. The terminal is to be used as a sales demonstration unit. See pages 2 to 5 of the Exhibit for equipment information.
- b. The terminal is for the demonstration of the INMARSAT communication system in general and the SP 1600 B satellite telephone terminal specifically.
- c. Terminal capabilities to be demonstrated will allow personnel in remote areas access to reliable communication.

Operation

SP 1600 B Satellite Telephone

Mobile phoning, faxing and data transmission across the globe.

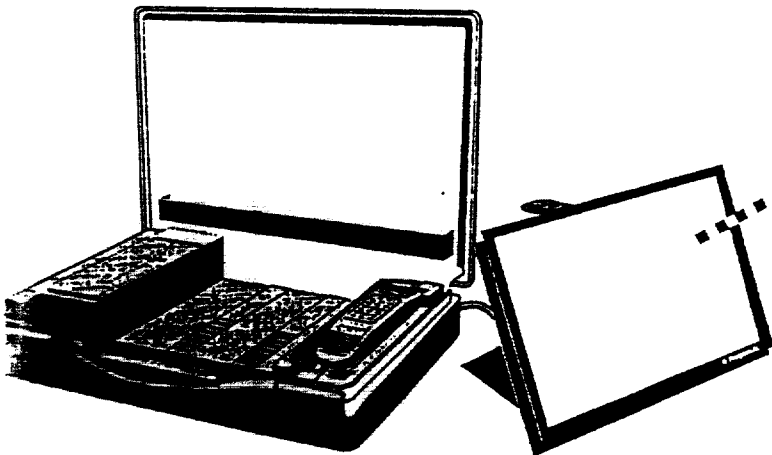


Radiocommunications



**Mobile phoning.
Phoning, faxing and data transmission across the globe.**

With the satellite telephone, you can call any subscriber on the public telephone network - from anywhere on earth, by self-dialling in excellent digital quality. People can call you in exactly the same way. From any normal telephone. Faxing and data transmission are also possible*.



Digital and excellent quality.

Digital transmission technology offers considerable advantages: Economy of weight and space, lower initial and operating costs and a number of advantages over traditional shortwave technology such as worldwide automatic dialling, reliable connection system, dependability, operation without the need for a radio licence or specialist knowledge, excellent transmission quality for speech, fax and data as well as single image transmission.

Safety checks at airports

When the briefcase is exposed to X-rays, security personnel may ask questions. Should this situation arise, show the equipment pass which serves as a "clearance certificate".

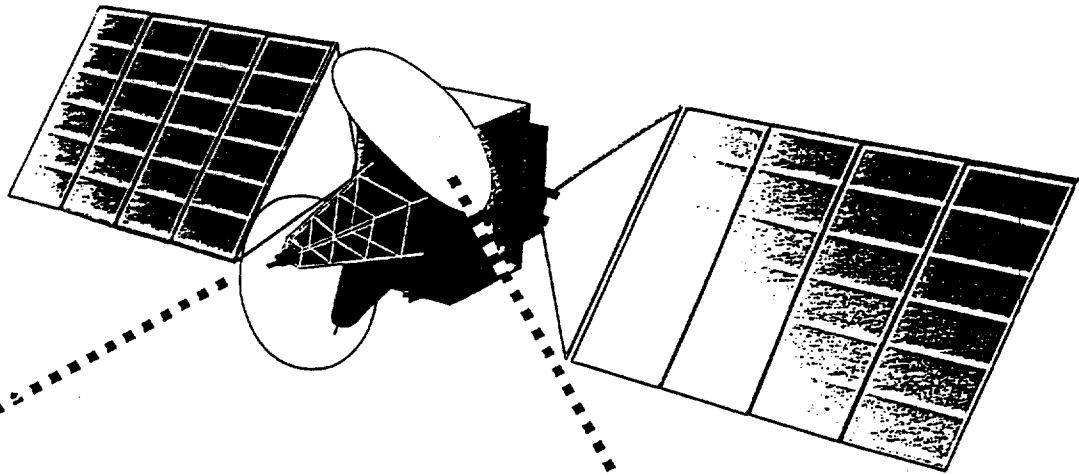
**4 versions.
For any occasion**

A briefcase system for travelling businessmen, journalists or foreign correspondents, can be used in crisis areas or in development aid work.

** (optional)*

A desk top model for embassies, research outposts, drilling rigs, company branches, building contracts abroad, etc.

A maritime system with automatic tracking aerial for professional and sporting craft and a mobile system for vehicles, e.g. for use by international forwarding agencies or bus companies.



Via satellite

Worldwide communication is possible via the 4 Inmarsat satellites. The satellites are called:

- Atlantic West (AOR-W)
 - Atlantic East (AOR-E)
 - Indian Ocean (IOR)
 - Pacific Ocean (POR)
- To the observer on earth,

The charges

The charges include both satellite and earth-based connections but are only incurred when a connection has been made.

The actual tariffs can be obtained from your dealer.

the geostationary satellites appear to remain above a particular point. They can therefore be located without the aerial having to track.

The transmission signal goes first to the satellite and from there to an earth-based station. Here it is fed into the public telephone network.

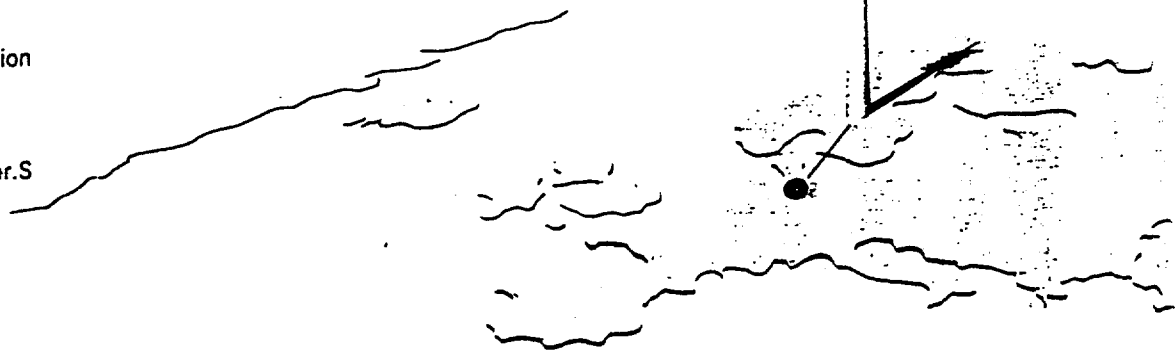
Any earth-based station within range of the selected satellite can be used (see map). Select a station in the vicinity of the person you wish to call.

The stations charge different tariffs and it may well be that a longer-distance call is better value for money!


Registration

Register at once by sending the enclosed form to the Routing organisation of your country.

The Routing Organisation (Telekom in Germany) issues the telephone number as well as numbers for fax and data transmission.



What does it mean if...?

- ...Connection to satellite lost is displayed? - The connection to the satellite is interrupted, e.g. due to shading or rotation of the aerial.
- ...No communication channel available is displayed? All the satellite channels are currently engaged.
- ...System Update - please wait is displayed? - automatic data updates are being exchanged between the satellite and the telephone. This process can take up to 2 minutes.
- ...The red display  comes on? - fault warning. Switch the equipment off and on again. If the fault warning occurs again: inform Service Department.
- ... fault warning appears in display? - Note warning and inform service.

Technical details

Transmission frequency	1631.5 to 1660.5 MHz
Reception frequency	1530.0 to 1559.0 MHz
Transmitter power	42dBm
Power supply	110 - 240 V AC, 50/60 Hz approx. 140 V A 10.5-32VDC, approx. 120 W
Temperature range	-25 to 55 °C
Weight	8.7 kg

Accessories

AC cable	2716.410
DC cable	2643.405
Operation Manual	
Optional:	
Interface Fax/Data	FDI 1600
Battery Pack	8P 1600
Flight case (aluminium)	FC 1600

Setting numerical code on case lock

- Open lid of case.
- First move the lever on the inside in the direction of the numbers, then upwards.
- Set required numbers (and make a note on them!)
- Push the lever on the inside down again, then push it away from the numbers.
- Your secret code is thus stored.

In the event of sale or theft

Report change of ownership or cancel registration of satellite telephone immediately to Inmarsat. This is the only way you can prevent telephone calls being made at your expense.
Inmarsat telephone number:

London - 728 1020 1518