

Attachments to FCC Form 442

Exhibit A, Item 4(G)

Necessary bandwidth is based on the requirements of the INMARSAT C System Definition Manual.

Exhibit B, Item 7

Harris Corporation, a Fortune 500 Company with annual world-wide sales of more than \$3.6 billion, is a world leader in the development and manufacture of communication systems and products. To retain this position of prominence, continuing research and development into new technologies and innovative engineering solutions is mandatory. In today's marketplace, it is necessary to combine these technologies with existing systems to provide cost-effective solutions wherein combining these solutions with existing communication assets will satisfy customers' performance and cost requirements.

In this regard, Harris has developed an architecture for a proprietary world-wide communication system which has potential commercial and DoD applications. The system can be operated from fixed assets as well as dynamic land- and sea-based platforms. Harris is currently developing a proof-of-concept command and control communication system for a U.S. Government customer. This effort will assess the viability of the communication system to operate on a variety of dynamic maritime platforms, which cumulatively represent the bounding operational conditions for any future applications.

As part of this activity, Harris will evaluate, through a series of on-the-air, end-to-end tests, the suitability of standard INMARSAT C terminals, standard INMARSAT C services and emerging data transfer protocols to meet a subset of the requirements for the system described above. For this purpose, Harris is seeking to commission three (3) INMARSAT C maritime terminals for fixed, land-based use in the U.S. Harris personnel will be the ultimate users and operators of these terminals. These INMARSAT C terminals will supplement the single INMARSAT C terminal we are currently authorized to operate and will allow us to evaluate redundancy and diversity technologies aimed at enhancing command and control communication reliability in harsh maritime environments.

The U.S. Government Agency participating in this activity is the U.S. Navy. The contact number is (407) 727-5085.



Registration for service activation of Maritime Mobile Earth Station

Sections 1-4 and 8 are to be completed by all customers.
Tick boxes as appropriate.
Please write in block capitals.

RO use only RCode

Application number

Date Day Month Year

Customer's reference number

1 Your details (See note A)

Your name or the name of your organisation:

Harris Corporation

Address:

2400 Palm Bay Road, N.E.

Town/city:

Palm Bay

State/province:

FL

Post/ZIP code:

32905

Country:

Telephone: + Country code (1) - Area code (407) Telephone number (727-4000)

Facsimile: + Country code (1) - Area code (407) Facsimile number (729-7980)

Contact person:

James T. Kughner Sr.

Title:

Contracts Manager

Department:

Technology Development (M/S-25/5133)

What is their telephone number and/or extension? + Country code (1) - Area code (407) Telephone number (727-5085)

2 Paying the bill (See note B)

NOTE: Maritime MESS that MAY BE used for any distress and safety purposes MUST have an Accounting Authority.
Other maritime MESS may use Inmarsat Service Providers.

Will the MES be used for distress and safety communications?

Yes ☐

No ☒

IF YES, enter the Accounting Authority Code (AAIC):

If the Code is unknown, enter the name of the AA:

If NO, have you arranged payment of calls for this MES through (tick one)

(a) Accounting Authority (AA) ☒

(b) Inmarsat Service Provider (ISP) ☐

Enter ISP or AA Code:

U S O 1

If the Code is unknown enter the name of the ISP or AA:

3 What type of Mobile Earth Station (MES) are you registering? (See note C)

Environment usage

Maritime ☐

Maritime fixed ☒

The system

Inmarsat-A ☐

Inmarsat-B ☐

Inmarsat-C ☒

Inmarsat-M ☐

Inmarsat-phone
mini-M ☐

What will be the primary use of the MES?

Trading ☐

Passenger/Cruise ☐

Offshore ☐

Government ☐

Fishing ☐

Yachts ☐

Other ☒

please specify Proof of concept of the
maritime portion for a world-wide
command, control and communication system.

What will be the country of registry of this MES?

United States of America

Mobile Earth Station (MES) manufacturer

Trimble Navigation, Limited

Mobile Earth Station (MES) model

Galaxy Ship Earth Station

4 What services are you applying for?

Inmarsat A services (See note D)

Enter your Mobile Earth Station (MES) Serial number

Primary Inmarsat Mobile number (If known)

Privacy ☐ Voice ☐ Fax ☐ HSD ☐ DHSD ☐ Telex ☐ Telex answerback

Secondary Inmarsat Mobile number (If known)

Privacy ☐ Voice ☐ Fax ☐ HSD ☐ DHSD ☐

Preferred service activation region Pacific ☐ Indian ☐ Atlantic East ☐ Atlantic West ☐

Preferred service activation LES:

Preferred service activation date: (day/month/year)

Agent to conduct test:

Country:

Telephone: + Country code () - Area code () Telephone number ()

Facsimile: + Country code () - Area code () Facsimile number () Go to Section 5

RO use only Type of test: Full ☐ Reduced ☐

Inmarsat B services (See note E)

Enter your Inmarsat Serial number (ISN)

Tick only 1 service per row and Privacy if required

Number	Privacy	Voice	Fax	Data	HSD	Telex	Telex answerback	Service code	RO use only Inmarsat Mobile number
1	☐	☐	☐	☐	☐	☐			
2	☐	☐	☐	☐	☐	☐			
3	☐	☐	☐	☐	☐	☐			
4	☐	☐	☐	☐	☐	☐			
5	☐	☐	☐	☐	☐	☐			

To enter more services, copy and complete this page as required, then go to Section 5

Inmarsat M services (See note F)

Enter your Inmarsat Serial number (ISN)

Tick only 1 service per row and Privacy if required

Number	Privacy	Voice	Fax	Data	Service code	RO use only Inmarsat Mobile number
1	☐	☐	☐	☐		
2	☐	☐	☐	☐		
3	☐	☐	☐	☐		
4	☐	☐	☐	☐		

To enter more services, copy and complete this page as required, then go to Section 5

Inmarsat phone mini M and SIM card services (See note G)

Enter your Inmarsat serial number (ISN)

Service	Privacy	Service code	RO use only Inmarsat Mobile number
Voice	☐		
Fax	☐		
Data	☐		

Enter your SIM card serial number (SSN)

Service	Privacy	Service code	RO use only Inmarsat Mobile number
Voice	☐		
Fax	☐		
Data	☐		

Inmarsat C (See note H)

Enter your Mobile Earth Station (MES) Serial number

0200007061

Privacy Telex answerback

☐☐☐☐☐☐

RO use only

Inmarsat Mobile number

☐☐☐☐☐☐☐☐☐☐☐☐

Go to Section 6

5 Multi-channel details (see Note I)

If you are NOT applying for a multi-channel or the Mobile Earth Station (MES) is not part of a multi-channel GO TO SECTION 6

If the Mobile Earth Station (MES) applied for is part of a multi-channel but is NOT the primary channel enter the required information below:

INMARSAT-A ONLY

Enter the Primary Inmarsat Mobile number of the primary channel

☐☐☐☐☐☐☐☐☐☐☐☐

INMARSAT-B/M/Inmarsat-phone mini-M ONLY

Enter the Inmarsat Serial number (ISN) of the primary channel

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

If you are applying for more than one channel copy and complete Sections 4 and 5 for each MES that is part of this multi-channel application.

6 Distress and safety (see Note J)

In completing SECTION 6 the customer confirms that the MES will be used for Distress and safety; the customer therefore MUST select the AA in section 2

COMPLETE IF THE MOBILE EARTH STATION (MES) IS TO BE USED FOR DISTRESS AND SAFETY ON SHIPS

Who should we contact?

Address:

Town/city:

State/province:

Post/ZIP code:

Country:

Telephone: + Country code () - Area code () Telephone number ()

Facsimile: + Country code () - Area code () Facsimile number ()

Alternative 24 hour emergency telephone: + Country code () - Area code () Telephone number ()

7 To be completed for Maritime Mobile Earth Stations (MES) only (see Note K)

What is the name of the vessel?

In which country is the vessel registered?

Type of vessel

MMSI

Call sign

Gross tonnage

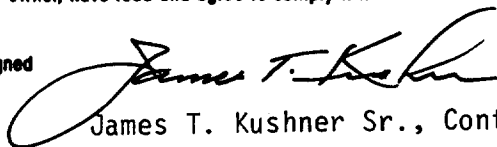
Capacity for persons on board (passengers and crew)

8 Certification and agreement

I, Harris Corporation

the owner, have read and agree to comply with the 'Terms and Conditions for the use of the Inmarsat space segment' on the next page.

Signed


James T. Kushner Sr., Contracts Manager

Date 25 Aug 98



Registration for service activation of Maritime Mobile Earth Station

Sections 1-4 and 8 are to be completed by all customers.

Tick boxes as appropriate.

Please write in block capitals.

RO use only ROcode				
--------------------	--	--	--	--

Application number

Date Day Month Year

Customer's reference number

1 Your details (See note A)

Your name or the name of your organisation:

Harris Corporation

Address:

2400 Palm Bay Road, N.E.

Town/city:

Palm Bay

State/province:

FL

Post/ZIP code:

32905

Country:

Telephone: + Country code (1) - Area code (407) Telephone number (727-4000)

Facsimile: + Country code (1) - Area code (407) Facsimile number (729-7980)

Contact person:

James T. Kughner Sr.

Title:

Contracts Manager

Department:

Technology Development (M/S-25/5133)

What is their telephone number and/or extension? + Country code (1) - Area code (407) Telephone number (727-5085)

2 Paying the bill (See note B)

NOTE: Maritime MESS that MAY BE used for any distress and safety purposes MUST have an Accounting Authority. Other maritime MESS may use Inmarsat Service Providers.

Will the MES be used for distress and safety communications?

Yes ☐

No ☒

IF YES, enter the Accounting Authority Code (AAIC):

--	--	--	--

If the Code is unknown, enter the name of the AA:

IF NO, have you arranged payment of calls for this MES through (tick one)

(a) Accounting Authority (AA) ☒

(b) Inmarsat Service Provider (ISP) ☐

Enter ISP or AA Code:

U	S	0	1
---	---	---	---

If the Code is unknown enter the name of the ISP or AA:

3 What type of Mobile Earth Station (MES) are you registering? (See note C)

Environment usage

Maritime ☐
Maritime fixed ☒

The system

Inmarsat-A ☐
Inmarsat-B ☐
Inmarsat-C ☒
Inmarsat-M ☐
Inmarsat-phone
mini-M ☐

What will be the primary use of the MES?

Trading ☐
Passenger/Cruise ☐
Offshore ☐
Government ☐
Fishing ☐
Yachts ☐
Other ☒

please specify Proof of concept of the maritime portion for a world-wide command, control and communication system.

What will be the country of registry of this MES?

United States of America

Mobile Earth Station (MES) manufacturer

Trimble Navigation, Limited

Mobile Earth Station (MES) model

Galaxy Ship Earth Station

4 What services are you applying for?

Inmarsat A services (See note D)

Enter your Mobile Earth Station (MES) Serial number

Primary Inmarsat Mobile number (If known)

Privacy ☐ Voice ☐ Fax ☐ HSD ☐ DHSD ☐ Telex ☐ Telex answerback

Secondary Inmarsat Mobile number (If known)

Privacy ☐ Voice ☐ Fax ☐ HSD ☐ DHSD ☐

Preferred service activation region Pacific ☐ Indian ☐ Atlantic East ☐ Atlantic West ☐

Preferred service activation LES:

Preferred service activation date: (day/month/year)

Agent to conduct test:

Country:

Telephone: + Country code () - Area code () Telephone number ()

Facsimile: + Country code () - Area code () Facsimile number ()

Go to Section 5

RO use only Type of test: Full ☐ Reduced ☐

Inmarsat B services (See note E)

Enter your Inmarsat Serial number (ISN)

Tick only 1 service per row and Privacy if required

Number	Privacy	Voice	Fax	Data	HSD	Telex	Telex answerback	Service code	RO use only Inmarsat Mobile number
1	☐	☐	☐	☐	☐	☐			
2	☐	☐	☐	☐	☐	☐			
3	☐	☐	☐	☐	☐	☐			
4	☐	☐	☐	☐	☐	☐			
5	☐	☐	☐	☐	☐	☐			

To enter more services, copy and complete this page as required, then go to Section 5

Inmarsat M services (See note F)

Enter your Inmarsat Serial number (ISN)

Tick only 1 service per row and Privacy if required

Number	Privacy	Voice	Fax	Data	Service code	RO use only Inmarsat Mobile number
1	☐	☐	☐	☐		
2	☐	☐	☐	☐		
3	☐	☐	☐	☐		
4	☐	☐	☐	☐		

To enter more services, copy and complete this page as required, then go to Section 5

Inmarsat phone mini M and SIM card services (See note G)

Enter your Inmarsat serial number (ISN)

Service	Privacy	Service code	RO use only Inmarsat Mobile number
Voice	☐		
Fax	☐		
Data	☐		

Enter your SIM card serial number (SSN)

Service	Privacy	Service code	RO use only Inmarsat Mobile number
Voice	☐		
Fax	☐		
Data	☐		

Inmarsat-C (See note H)

Enter your Mobile Earth Station (MES) Serial number

0200007239

Privacy Telex answerback

☐

RO use only

Inmarsat Mobile number

Go to Section 6

5 Multi channel details (see Note I)

If you are NOT applying for a multi-channel or the Mobile Earth Station (MES) is not part of a multi-channel GO TO SECTION 6

If the Mobile Earth Station (MES) applied for is part of a multi-channel but is NOT the primary channel enter the required information below:

INMARSAT-A ONLY

Enter the Primary Inmarsat Mobile number of the primary channel

INMARSAT-B/M/Inmarsat-phone mini-M ONLY

Enter the Inmarsat Serial number (ISN) of the primary channel

If you are applying for more than one channel copy and complete Sections 4 and 5 for each MES that is part of this multi-channel application.

6 Distress and safety (see Note J)

In completing SECTION 6 the customer confirms that the MES will be used for Distress and safety; the customer therefore MUST select the AA in section 2

COMPLETE IF THE MOBILE EARTH STATION (MES) IS TO BE USED FOR DISTRESS AND SAFETY ON SHIPS

Who should we contact?

Address:

Town/city:

State/province:

Post/ZIP code:

Country:

Telephone: + Country code () - Area code () Telephone number ()

Facsimile: + Country code () - Area code () Facsimile number ()

Alternative 24 hour emergency telephone: + Country code () - Area code () Telephone number ()

7 To be completed for Maritime Mobile Earth Stations (MES) only (see Note K)

What is the name of the vessel?

In which country is the vessel registered?

Type of vessel

MMSI

Call sign

Gross tonnage

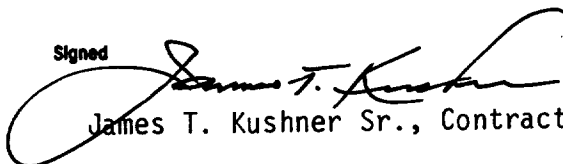
Capacity for persons on board (passengers and crew)

8 Certification and agreement

I, Harris Corporation

the owner, have read and agree to comply with the 'Terms and Conditions for the use of the Inmarsat space segment' on the next page.

Signed



Date

25 Aug 98

James T. Kushner Sr., Contracts Manager



Registration for service activation of Maritime Mobile Earth Station

Sections 1-4 and 8 are to be completed by all customers.
Tick boxes as appropriate.
Please write in block capitals.

RO use only ROcode

Application number

Date Day Month Year

Customer's reference number

1 Your details (See note A)

Your name or the name of your organisation:

Harris Corporation

Address:

2400 Palm Bay Road, N.E.

Town/city:

Palm Bay

State/province:

FL

Post/ZIP code:

32905

Country:

Telephone: + Country code (1) - Area code (407) Telephone number (727-4000)

Facsimile: + Country code (1) - Area code (407) Facsimile number (729-7980)

Contact person:

James T. Kughner Sr.

Title:

Contracts Manager

Department:

Technology Development (M/S-25/5133)

What is their telephone number and/or extension? + Country code (1) - Area code (407) Telephone number (727-5085)

2 Paying the bill (See note B)

NOTE: Maritime MESs that MAY BE used for any distress and safety purposes MUST have an Accounting Authority.
Other maritime MESs may use Inmarsat Service Providers.

Will the MES be used for distress and safety communications? Yes ☐ No ☒

IF YES, enter the Accounting Authority Code (AAIC):

If the Code is unknown, enter the name of the AA:

IF NO, have you arranged payment of calls for this MES through (tick one)

(a) Accounting Authority (AA) ☒ (b) Inmarsat Service Provider (ISP) ☐

Enter ISP or AA Code:

U S O 1

If the Code is unknown enter the name of the ISP or AA:

3 What type of Mobile Earth Station (MES) are you registering? (See note C)

Environment usage

Maritime ☐
Maritime fixed ☒

The system

Inmarsat-A ☐
Inmarsat-B ☐
Inmarsat-C ☒
Inmarsat-M ☐
Inmarsat-phone
mini-M ☐

What will be the primary use of the MES?

Trading ☐
Passenger/Cruise ☐
Offshore ☐
Government ☐
Fishing ☐
Yachts ☐
Other ☒

please specify Proof of concept of the
maritime portion for a world-wide
command, control and communication system.

What will be the country of registry of this MES?

United States of America

Mobile Earth Station (MES) manufacturer

Trimble Navigation, Limited

Mobile Earth Station (MES) model

Galaxy Ship Earth Station

4 What services are you applying for?

Inmarsat A services (See note D)

Enter your Mobile Earth Station (MES) Serial number

Primary Inmarsat Mobile number (if known)

Privacy ☐ Voice ☐ Fax ☐ HSD ☐ DHSD ☐ Telex ☐ Telex answerback

Secondary Inmarsat Mobile number (if known)

Privacy ☐ Voice ☐ Fax ☐ HSD ☐ DHSD ☐

Preferred service activation region Pacific ☐ Indian ☐ Atlantic East ☐ Atlantic West ☐

Preferred service activation LES:

Preferred service activation date: (day/month/year)

Agent to conduct test:

Country:

Telephone: + Country code () - Area code () Telephone number ()

Facsimile: + Country code () - Area code () Facsimile number () Go to Section 5

RO use only Type of test: Full ☐ Reduced ☐

Inmarsat B services (See note E)

Enter your Inmarsat Serial number (ISN)

Tick only 1 service per row and Privacy if required

Number	Privacy	Voice	Fax	Data	HSD	Telex	Telex answerback	Service code	RO use only Inmarsat Mobile number
1	☐	☐	☐	☐	☐	☐			
2	☐	☐	☐	☐	☐	☐			
3	☐	☐	☐	☐	☐	☐			
4	☐	☐	☐	☐	☐	☐			
5	☐	☐	☐	☐	☐	☐			

To enter more services, copy and complete this page as required, then go to Section 5

Inmarsat M services (See note F)

Enter your Inmarsat Serial number (ISN)

Tick only 1 service per row and Privacy if required

Number	Privacy	Voice	Fax	Data	Service code	RO use only Inmarsat Mobile number
1	☐	☐	☐	☐		
2	☐	☐	☐	☐		
3	☐	☐	☐	☐		
4	☐	☐	☐	☐		

To enter more services, copy and complete this page as required, then go to Section 5

Inmarsat phone mini M and SIM card services (See note G)

Enter your Inmarsat serial number (ISN)

Service	Privacy	Service code	RO use only Inmarsat Mobile number
Voice	☐		
Fax	☐		
Data	☐		

Enter your SIM card serial number (SSN)

Service	Privacy	Service code	RO use only Inmarsat Mobile number
Voice	☐		
Fax	☐		
Data	☐		

Inmarsat C (See note H)

Enter your Mobile Earth Station (MES) Serial number

0200007245

Privacy Telex answerback

☐☐☐☐☐☐☐

RO use only

Inmarsat Mobile number

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

Go to Section 6

5 Multi-channel details (see Note I)

If you are NOT applying for a multi-channel or the Mobile Earth Station (MES) is not part of a multi-channel GO TO SECTION 6

If the Mobile Earth Station (MES) applied for is part of a multi-channel but is NOT the primary channel enter the required information below:

INMARSAT-A ONLY

Enter the Primary Inmarsat Mobile number of the primary channel

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐**INMARSAT-B/M/Inmarsat-phone mini-M ONLY**

Enter the Inmarsat Serial number (ISN) of the primary channel

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

If you are applying for more than one channel copy and complete Sections 4 and 5 for each MES that is part of this multi-channel application.

6 Distress and safety (see Note J)

In completing SECTION 6 the customer confirms that the MES will be used for Distress and safety; the customer therefore MUST select the AA in section 2

COMPLETE IF THE MOBILE EARTH STATION (MES) IS TO BE USED FOR DISTRESS AND SAFETY ON SHIPS

Who should we contact?

Address:

Town/city:

State/province:

Post/ZIP code:

Country:

Telephone: + Country code () - Area code () Telephone number ()

Facsimile: + Country code () - Area code () Facsimile number ()

Alternative 24 hour emergency telephone: + Country code () - Area code () Telephone number ()

7 To be completed for Maritime Mobile Earth Stations (MES) only (see Note K)

What is the name of the vessel?

In which country is the vessel registered?

Type of vessel

MMSI

Call sign

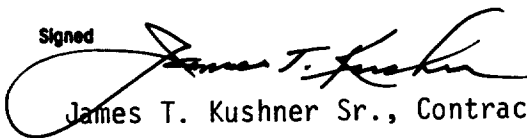
Gross tonnage

Capacity for persons on board (passengers and crew)

8 Certification and agreementI Harris Corporation

the owner, have read and agree to comply with the 'Terms and Conditions for the use of the Inmarsat space segment' on the next page.

Signed



Date

25 Aug 90

James T. Kushner Sr., Contracts Manager

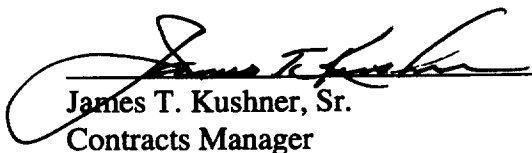
Letter of Intent for Use of INMARSAT Terminals within the Domestic U.S.

Harris Corporation, a Fortune 500 Company with annual world-wide sales of more than \$3.6 billion, is a world leader in the development and manufacture of communication systems and products. To retain this position of prominence, continuing research and development into new technologies and innovative engineering solutions is mandatory. In today's marketplace, it is necessary to combine these technologies with existing systems to provide cost-effective solutions wherein combining these solutions with existing communication assets will satisfy customers' performance and cost requirements.

In this regard, Harris has developed an architecture for a proprietary world-wide communication system which has potential commercial and DoD applications. The system can be operated from fixed assets as well as dynamic land- and sea-based platforms. Harris is currently developing a proof-of-concept command and control communication system for a U.S. Government customer. This effort will assess the viability of the communication system to operate on a variety of dynamic maritime platforms, which cumulatively represent the bounding operational conditions for any future applications.

As part of this activity, Harris will evaluate, through a series of on-the-air, end-to-end tests, the suitability of standard INMARSAT C terminals, standard INMARSAT C services and emerging data transfer protocols to meet a subset of the requirements for the system described above. For this purpose, Harris is seeking to commission three (3) INMARSAT C maritime terminals for fixed, land-based use in the U.S. Harris personnel will be the ultimate users and operators of these terminals. These INMARSAT C terminals will supplement the single INMARSAT C terminal we are currently authorized to operate and will allow us to evaluate redundancy and diversity technologies aimed at enhancing command and control communication reliability in harsh maritime environments.

We are forwarding FCC Form 442 to the FCC, applying for a modification to our Experimental Radio Service license to operate these INMARSAT C terminals in the domestic U.S. We are also requesting Special Temporary Authority from the FCC to operate the terminals while FCC Form 442 is being processed. We wish to commission these terminals on or before September 30, 1998 in order to meet our scheduled test and demonstration dates for our customer.



James T. Kushner, Sr.
Contracts Manager

REQUEST FOR SPACE SEGMENT CAPACITY TO OPERATE INMARSAT TERMINALS FROM LAND-BASED LOCATIONS IN THE UNITED STATES

The Federal Communications Commission ("FCC") requires COMSAT Corporation ("COMSAT") to obtain authority prior to providing service to Inmarsat terminals operated from land-based (i.e., nonmaritime locations) within the United States. The FCC will only grant domestic service authority to COMSAT under certain circumstances. The FCC's determination is made on a case-by-case basis with regard to the specific facts of each request. For instance, the FCC has authorized COMSAT to provide space segment capacity in the United States where:

- (1) the capacity is required to test and demonstrate the communications capabilities of an Inmarsat terminal to prospective customers;
- (2) the performance of an Inmarsat terminal is to be tested prior to sending/taking it abroad;
- (3) personnel are to be trained in the use of Inmarsat terminal(s) prior to being deployed abroad;
- (4) an Inmarsat terminal is needed for emergency communications (either as backup communications or disaster relief); or
- (5) an Inmarsat terminal is required to provide services from a remote location where no alternative means of communications is available.

Therefore, the following information is necessary for COMSAT to prepare its request for authority from the FCC to provide domestic Inmarsat space segment capacity to your terminal(s) in a timely manner. The more specific and detailed the information you provide us about the intended-use(s) of the terminal, the more likely it will be that COMSAT will be able to obtain timely FCC authorization to provide the services you need! Please feel free to attach additional pages if needed to answer questions fully.

HARRIS CORPORATION

1. Company's Name: _____

COMMUNICATIONS SYSTEMS AND PRODUCTS

2. Company's Business: _____

March 18, 1997 #10085462617A/DOMESTIC/CUBA/INMARSAT APP

3. Who will operate the terminal? Harris Corporation
4. By what date do you need to operate the terminal in the U.S.? September 30, 1998
For how long? two years

Please indicate on page 3 your reasons for needing to use the terminal by the specified date.

See Attachment

5. Will the same terminal also be used in one or more foreign countries or globally?
Yes No X.

IF YES, please state on page 3 the country or countries involved, and how frequently you intend to use the terminal outside of the U.S.

6. Will the terminal be used for test and/or demonstration purposes?
Yes X No .

IF YES, please indicate on page 3 where the test(s) or demonstration(s) will take place, their duration and whether (a) this is a test prior to sale, (b) this is a test after sale prior to use, (c) this is a demonstration to potential customers, (d) the terminal will be a part of a test or demo pool, or (e) other (please describe).

SEE ATTACHMENT

7. Will the terminal be used to train your employees, customers, or other users?
Yes No X

IF YES, please explain on page 3 the nature, purpose, and duration of the training (indicating in particular whether the terminal will be used outside the U.S. or if personnel being trained will be deployed outside the U.S.):

8. Will the terminal be used for emergency communications or in a remote location where no alternative means of communications exist? Yes ☐ No ☒.

IF YES, please describe on page 3 the nature of the emergency communication (if applicable), state the location, describe the communications service desired, and explain the reason(s) why existing means of communications, in particular those of the U.S. domestic mobile satellite service licensee (AMSC), are not available or are inadequate to meet your communications requirements:

9. If the terminal is to be used for high speed data applications, please indicate the speed at which transmissions will be conducted: N/A

10. Does your use of the Inmarsat terminal relate to a U.S. Government contract?
Yes X No

IF YES, please briefly describe below how the terminal will be used in fulfilling the government contract: Proof-of-Concept demonstrations and evaluations of command and control communication link having future applications on maritime platforms. See attachments.

11. If not otherwise provided above, state the purpose for which the terminal will be used in the United States: See Attachment

12. You are required to obtain a separate FCC license before operating the terminal in the United States. Have you applied to the FCC for a license to operate the terminal?
Yes X No

IF YES, give the date you filed the license application: August 28, 1998; or the grant date: . Please attach a copy of the terminal license application.

IF NO, please complete the enclosed FCC application form and return it with the other commissioning materials, or explain on page 3 why no additional FCC license is required.

Use the space below to provide any additional requested information:

See Attachment

Thank you for your assistance in providing us the above information.

Attachment

Harris Corporation, a Fortune 500 Company with annual world-wide sales of more than \$3.6 billion, is a world leader in the development and manufacture of communication systems and products. To retain this position of prominence, continuing research and development into new technologies and innovative engineering solutions is mandatory. In today's marketplace, it is necessary to combine these technologies with existing systems to provide cost-effective solutions wherein combining these solutions with existing communication assets will satisfy customers' performance and cost requirements.

In this regard, Harris has developed an architecture for a proprietary world-wide communication system which has potential commercial and DoD applications. The system can be operated from fixed assets as well as dynamic land- and sea-based platforms. Harris is currently developing a proof-of-concept command and control communication system for a U.S. Government customer. This effort will assess the viability of the communication system to operate on a variety of dynamic maritime platforms, which cumulatively represent the bounding operational conditions for any future applications.

As part of this activity, Harris will evaluate, through a series of on-the-air, end-to-end tests, the suitability of standard INMARSAT C terminals, standard INMARSAT C services and emerging data transfer protocols to meet a subset of the requirements for the system described above. For this purpose, Harris is seeking to commission three (3) INMARSAT C maritime terminals for fixed, land-based use in the U.S. Harris personnel will be the ultimate users and operators of these terminals. These INMARSAT C terminals will supplement the single INMARSAT C terminal we are currently authorized to operate and will allow us to evaluate redundancy and diversity technologies aimed at enhancing command and control communication reliability in harsh maritime environments.

We are forwarding FCC Form 442 to the FCC, applying for a modification to our Experimental Radio Service license to operate these INMARSAT C terminals in the domestic U.S. We are also requesting Special Temporary Authority from the FCC to operate the terminals while FCC Form 442 is being processed. We wish to commission these terminals on or before September 30, 1998 in order to meet our scheduled test and demonstration dates for our customer.