

INTELSAT USA LICENSE LLC
Vice President, Contracts
One Tysons Place
McLean, VA 22102-5972

TARIFF F.C.C. NO. 2
1st Revised Original Title Page
Cancels Original Title Page

Cancels TARIFF F.C.C. NO. 2 in its entirety
This tariff is no longer effective

Issued: December 30, 2016

Effective: December 31, 2016

INTELSAT USA LICENSE LLC
REGULATIONS AND SCHEDULES OF CHARGES
FOR SPACE SEGMENT SERVICES

in connection with the establishment of communications paths

- between United States Mainland points and foreign points;
- between United States overseas points and foreign points;
- between United States Mainland points and United States overseas points;
- between United States overseas points as specified herein.

Service is furnished by communications satellites.

Issued: December 30, 2016

Effective: December 31, 2016

CHECK SHEET

The Title Page, Pages 1 through 90 of this tariff are effective as of the date shown. (T)
Revised pages listed below contain all the changes from the 1st Revised tariff filed
through the date hereof.

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Title Page	1st*	55	Original	(T)
1	4th*	56	Original	
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16	Original	71	1st	
17	Original	72	1st	
18	Original	73	Original	
19	Original	74	1st	
20	Original	75	1st	
21	Original	76	Original	
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39	Original			
40	Original			
41	Original			
42	Original			
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46	3rd			
47	3rd			
48	3rd			
49	Original			
50	Original			
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* New or Revised Tariff Page.

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Explanation of Symbols

(C) - Changed regulation	(R) - Reduction
(D) - Discontinued rate or regulation	(S) - Reissued matter
(I) - Increase	(T) - A change in text but no change in rate or regulation
(M) - Matter relocated without change	
(N) - New rate or regulation	(Z) - Correction

Explanation of Abbreviations

bps	-	Bits per second
CCITT	-	The International Telegraph and Telephone Consultative Committee
EIA	-	The Electronic Industries Association
EDT	-	Eastern Daylight Time
EST	-	Eastern Standard Time
FEC	-	Forward Error Correction
GHz	-	Gigahertz
GMT	-	Greenwich Mean Time
G/T	-	Earth Terminal Gain to Noise Temperature Ratio
Kbps	-	Thousand bits per second
KHz	-	Kilohertz
Mbps	-	Million bits per second
MHz	-	Megahertz
US	-	United States

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CONCURRING, CONNECTING AND OTHER PARTICIPATING CARRIERS

Concurring Carriers - None

Connecting Carriers - None

Other Participating Carriers - None

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1. Application of the Tariff

- 1.1 This tariff contains the regulations and rates applicable to space segment communications satellite services furnished by INTELSAT USA LICENSE LLC. Space segment services are furnished subject to the availability of facilities.
 - 1.2 Space segment services are furnished for the transmission and/or reception of voice, record, data, telephoto, facsimile, sound program, television video/audio and such other services as may be authorized.
 - 1.3 The rates and regulations contained in this tariff apply only to the space segment services furnished by INTELSAT USA LICENSE LLC and do not apply to the connecting channels, facilities or services provided by a foreign communications entity, by a communications common carrier or by any other entity utilizing INTELSAT USA LICENSE LLC's services. At the customer's request, subject to capacity availability and concurrence by the foreign communications entity, INTELSAT USA LICENSE LLC will provide connecting foreign space segment half-channels to Haiti at the rates in this tariff.
 - 1.4 INTELSAT USA LICENSE LLC's space segment services are not part of a joint undertaking with any other entity providing foreign or domestic channels, facilities or services. All arrangements concerning such channels, facilities or services, including hours of operation, shall be made by the customer with the foreign or domestic entity or entities providing them.
 - 1.5 When so authorized by the Federal Communications Commission, space segment communications services are furnished to foreign communications entities in connection with the establishment of communications paths by said entities between foreign points (i.e., transit service).
 - 1.6 Unless separate contractual arrangements are made, the rates, terms and conditions contained in this tariff also apply to foreign communications entities for services transiting the territory of the United States.
 - 1.7 INTELSAT USA LICENSE LLC may assign its rights and obligations under this tariff or any service order hereunder (a) to any subsidiary, parent company or affiliate of INTELSAT USA LICENSE LLC; (b) pursuant to any sale or transfer of assets or service arrangements of INTELSAT USA LICENSE LLC; or (c) pursuant to any financing, merger, sale, or other reorganization of INTELSAT USA LICENSE LLC.
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1. Application of the Tariff (Continued)

- 1.8 All stated charges in this tariff are computed by INTELSAT USA LICENSE LLC, exclusive of any federal, state or local taxes, duties, fees, or similar liabilities (other than INTELSAT USA LICENSE LLC's general income or property tax liabilities), whether charged to or assigned against INTELSAT USA LICENSE LLC or its customer. At INTELSAT USA LICENSE LLC's sole option, an amount equal to such taxes, duties, fees or similar liabilities may be charged to the customer in addition to the charges stated in this tariff. All charges related to such taxes, duties, fees or similar liabilities shall each be shown as a separate line item on the customer's monthly invoice. The fees for which such charges may be imposed include, without limitation, the "Federal Telecommunications Service Fee" to support various regulatory programs, including the program to support universal service in high cost areas and to low income users of telecommunications in addition to assisting schools, libraries and rural health care facilities to obtain telecommunications and information services. Charges to recover the Federal Telecommunications Service Fee shall be calculated in accordance with the contribution factors established by the FCC, and shall not be assessed to the portion of any service taken for resale by any entity which is itself required by the Commission to contribute directly to universal service support programs, provided that the entity has notified INTELSAT USA LICENSE LLC of its intention to resell such service and of its compliance with the obligation to contribute to universal service.
- 1.9 By taking service under this tariff, the customer: (1) agrees that any dispute arising with respect to the service (including any dispute arising after the service is detariffed, when and if such detariffing should occur), shall be governed by and interpreted in accordance with federal telecommunications law to the extent applicable, and otherwise by the laws of the District of Columbia without regard to its conflict of laws provisions, and (2) consents to personal jurisdiction and venue in the United States Court for the District of Columbia and waives any right to contest the venue.
- 1.10 The provision of service under this tariff is subject to the availability on a continuing basis of all the necessary facilities used to provide service and is limited to the capacity of INTELSAT USA LICENSE LLC's facilities as well as the facilities and services that INTELSAT USA LICENSE LLC may obtain from other parties to provide service to the customer. INTELSAT USA LICENSE LLC reserves the right to limit or to allocate the use of existing facilities or to limit or discontinue service when necessary because of the lack of facilities or due to causes beyond INTELSAT USA LICENSE LLC's control, including but not limited to INTELSAT USA LICENSE LLC's inability to obtain facilities or services from other parties.
- 1.11 References to Intelsat in this tariff refer to Intelsat, Ltd. and all of its subsidiary entities collectively, other than INTELSAT USA LICENSE LLC
- 1.12 Service provided between United States service points will be billed at through-channel rates, which are double the half-channel rates typically found in the rate tables of this publication.
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2. General Regulations

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2. General Regulations

2.1 Services

Unless otherwise indicated, the services provided under this tariff are between a customer's earth terminal and a satellite and must be combined with like or compatible services between said satellite and another earth terminal to establish a through communications channel. Subject to the availability of facilities, these services are provided in the transmit and/or receive modes in the Atlantic Ocean Region and in the Pacific Ocean Region at the 6/4 GHz and 14/11 GHz bands with cross-strapping where necessary. Customers must make arrangements with overseas points for the provision of space segment services matching those provided by INTELSAT USA LICENSE LLC.

2.2 Compatibility of Customer-Provided Facilities

2.2.1 Standard Earth Terminal Access

Standard earth terminal types that may be used to access each INTELSAT USA LICENSE LLC space segment service are identified in this tariff for each service. When an earth terminal other than one of the indicated standard types is utilized, special charges will be determined on a case-by-case basis.

2.2.2 Approval

Customer earth terminals must be approved for access to the Satellite System and must conform to certain international earth terminal technical and operational specifications. INTELSAT USA LICENSE LLC will make available, upon written request by the customer, pertinent documentation containing approved earth terminal technical and operational specifications. INTELSAT USA LICENSE LLC will arrange verification testing of customer earth terminals for compatibility with its space segment services.

2.2.3 Performance and Use

All applicable international standards and agreements governing the access of space segment services through a customer's earth terminal shall be observed. Where customer use of INTELSAT USA LICENSE LLC space segment causes intermodulation and other forms of interference with other space segment services, INTELSAT USA LICENSE LLC will request that the customer alter his transmission or cease it entirely to correct the difficulty. The customer shall honor this request immediately. Where this request is not honored, INTELSAT USA LICENSE LLC may temporarily interrupt the use of service until the interference is eliminated. Prior to any such interruption, INTELSAT USA LICENSE LLC will notify the customer and the Federal Communications Commission, and will provide a reasonable time for the customer to take corrective action. However, when the interference is such that it prevents or substantially degrades the provision of service by INTELSAT USA LICENSE LLC, and such prior notice is impractical, INTELSAT USA LICENSE LLC may interrupt the use of a space segment service prior to notifying the customer and the Federal Communications Commission. Prompt notice will subsequently be given of such interruption and the reasons therefor.

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2. General Regulations (cont'd)

2.3 Use of Services by the Customer

The type or types of communications service for which a service is to be used must be made known to INTELSAT USA LICENSE LLC prior to such use. The customer shall not use INTELSAT USA LICENSE LLC's services for any unlawful purpose or any purpose other than that indicated in this tariff.

2.4 Charges

2.4.1 Application of Charges

Charges, as specified in this tariff, apply to each separate space segment service furnished by INTELSAT USA LICENSE LLC for use by the customer in the establishment of a through communications path, including those requiring more than one space segment channel. The rates and conditions for a given service may apply only to certain satellites as specified by INTELSAT USA LICENSE LLC.

2.4.2 Computation of Charges for Space Segment

(A) Monthly and Weekly Service

Except as otherwise specified in this tariff, charges for monthly service commence on the day after service is first made available by INTELSAT USA LICENSE LLC in accordance with the customer's order and continue through the day service is discontinued. Charges for monthly service are computed on a calendar month basis except where fractional charges are applicable with respect to service connections or disconnections. Charges for weekly service are computed on a 7 day minimum basis and, in increments of 7 days. The charge for service during a fractional part of a month is computed as a proportionate part of the monthly charge based on the actual number of days service is furnished.

For the purpose of computing the charge for a fractional part of a month, every month is considered to have 30 days. In cases where monthly or weekly service is disconnected at the customer's request prior to the completion of the initial month or week (30 or 7 days) of service, fractional charges are not computed and the minimum charge for one month or week of service applies.

(B) Occasional Service

Occasional service is not available.

(C) Temporary Service

Unless otherwise specified, charges for temporary service are computed on a daily basis for each day (24 consecutive hours starting at the time of day service is made available to the customer) or fraction thereof service is furnished.

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2. General Regulations (cont'd)

2.4 Charges (cont'd)

2.4.3 Payment of Charges

The customer is responsible for the payment of all charges incurred by the customer or by users of services furnished directly to the customer. Charges for monthly and weekly services and Semiannual and Monthly Contract Television Services (except additional minute charges) are billed in advance. Annual Contract Television Service is billed in advance on a monthly basis. Charges for temporary services, additional minutes of contract television services, extensions of weekly service and termination charges are billed in arrears. All payments for bills rendered, including termination charges, are due in their entirety within 30 days of invoice date. INTELSAT USA LICENSE LLC will impose an interest charge of 1 1/2% per month or fraction thereof on the unpaid balance of any bill outstanding beyond 30 days.

(C)

2.5 Interruption Allowance for all Services

When service is interrupted for a period of one hour or more due to failure or malfunction of INTELSAT USA LICENSE LLC's space segment facilities, credit will be given. This credit will be equal to the proportionate part of the customer's monthly or short term service charges, in one hour multiples or major fraction thereof of interruption. In computing this credit every month will be considered to have 30 days and each week will be considered to have 7 days. No credit will be allowed for service interruptions that are caused by customer-provided facilities.

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2. General Regulations (cont'd)

2.6 Liability of INTELSAT USA LICENSE LLC

2.6.1 Except for interruption allowances as specified in this tariff, INTELSAT USA LICENSE LLC shall not be liable for any loss or damage sustained by reason of any failure in or breakdown of facilities associated with INTELSAT USA LICENSE LLC's space segment channels or for any interruption of service, whatsoever shall be the cause of such failure, breakdown or interruption and whether negligent or otherwise and however long it shall last.

INTELSAT USA LICENSE LLC shall be indemnified and saved harmless by any customer or by any other entity against claims for libel, slander or the infringement of copyright arising from the material transmitted over the channels or facilities; against claims for infringement of patents arising from combining with, or using in connection with, channels or facilities furnished by INTELSAT USA LICENSE LLC, apparatus and systems of a customer; and against all other claims arising out of any act or omission of a customer, or of any other entity in connection with space segment channels or facilities provided by INTELSAT USA LICENSE LLC.

2.6.2 INTELSAT USA LICENSE LLC is not liable for any act or omission of any entity furnishing a channel, facility or service connected with or provided in conjunction with INTELSAT USA LICENSE LLC's channels or facilities.

2.6.3 INTELSAT USA LICENSE LLC shall assume no liability in the event requests for space segment reservations are not approved by Intelsat.

2.7 Testing and Adjusting

INTELSAT USA LICENSE LLC may, upon suitable notice, at a time mutually agreeable to INTELSAT USA LICENSE LLC and the customer, make such tests and adjustments as may be necessary to maintain the services it furnishes in satisfactory operating condition. No interruption allowance will be made to the customer for the time such tests and adjustments are made.

2.8 Advance Payments, Deposits and Letters of Credit

2.8.1 Advance Payments

INTELSAT USA LICENSE LLC may, in order to safeguard its interests, require a customer or applicant for service to make an advance payment equal to (i) any installation charges, (ii) at least one week's charges in the case of weekly service, (iii) at least one month's charges in the case of monthly services and (iv) the entire amount ordered in the case of temporary services.

(C)

2.8.2 Deposits

INTELSAT USA LICENSE LLC may require a customer to make a deposit for any confirmed reservation of service. The deposit would be held by INTELSAT USA LICENSE LLC as a guarantee of the payment of charges. In instances when a deposit is required, the minimum deposit amount will be \$25,000, except that the deposit will not exceed the total amount due for the service period. A deposit does not relieve the applicant or customer from complying with the provisions set forth in Section 2.4 preceding or the prompt payment of bills upon presentation.

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2. General Regulations (cont'd)

2.8 Advance Payments, Deposits and Letters of Credit (cont'd)

2.8.2 Deposits (Cont'd)

For customers with deposits who have paid all bills promptly upon presentation and who have established a sufficient record of prompt payment with INTELSAT USA LICENSE LLC, the deposit will be applied, depending on the amount, to the first, and if necessary, second week's service charges in the case of weekly service, and for monthly service, to the first month's or the first and second month's service charges when service begins. In cases where there is an insufficient service history with INTELSAT USA LICENSE LLC or a history of late payment or non-payment, INTELSAT USA LICENSE LLC may hold the deposit longer for security of payment of future charges. INTELSAT USA LICENSE LLC may hold the deposit longer, for example, if the customer leases additional services from INTELSAT USA LICENSE LLC that substantially increase the customer's financial liability. After a maximum of one year of service, INTELSAT USA LICENSE LLC will review the customer's account and if payment of all bills has been received promptly upon presentation, INTELSAT USA LICENSE LLC will apply the deposit to the customer's service charges. If payment has not been received promptly, the deposit will be held until the customer demonstrates the ability to meet its obligations on time. Deposits which are held beyond the second month of service as security against potential losses from the non-payment of future charges will be credited with simple interest, commencing with the third month of service, at the rate of 4% per annum. Interest payments will be made by INTELSAT USA LICENSE LLC to the customer in 12-month intervals counting from the third month of service or at such time as the deposit is credited to the customer, whichever is sooner. Accrued interest on deposits may be used by INTELSAT USA LICENSE LLC as a credit against interest charges incurred by the customer due to late payments.

2.8.3 Letters of Credit

In addition to a deposit (Section 2.8.2) and/or an advance payment (Section 2.8.1), INTELSAT USA LICENSE LLC may, in order to safeguard its interests, require a customer to provide a third party guarantee, letter of credit, or other credit facility deemed by INTELSAT USA LICENSE LLC to provide adequate assurance of payment. (Note: The fact that third party guarantees, letters of credit or alternative credit facilities have been provided in no way relieves the applicant or customer from complying with the provisions set forth in 2.4 preceding and the prompt payment of bills on presentation.) This requirement applies to customers meeting any of the following conditions:

- a. The customer has declared bankruptcy or its business placed in receivership within the last seven years.
 - b. The customer, within the last seven years, had its service discontinued by INTELSAT USA LICENSE LLC because of non-payment or repeated non-compliance with the provisions governing the furnishing of service under this tariff.
 - c. The customer has a history of late payments.
-

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2. General Regulations (cont'd)

2.8 Advance Payments, Deposits and Letters of Credit (cont'd)

2.8.3 Letters of Credit (cont'd)

- d. The customer lacks the net worth, or has failed to establish a record of credit worthiness, thus creating reasonable grounds for insecurity concerning INTELSAT USA LICENSE LLC's assumption of the underlying obligation associated with the confirmed reservation.
- e. The customer leases additional services from INTELSAT USA LICENSE LLC that substantially increase the customer's financial liability relative to the services leased previously.

2.8.4 Payment for Early Cancellation of Service by the Customer

In the event the customer cancels an order for service prior to the initiation of service, the customer is liable for payment to INTELSAT USA LICENSE LLC of all non-recoverable costs borne by INTELSAT USA LICENSE LLC on the customer's behalf in connection with preparing to implement service which the customer had requested including charges as may apply under Sections 2.9.2, 2.9.3 and 2.9.7.

2.9 Full-Period Transponder Lease Reservation

2.9.1 General Provisions

If Intelsat withholds approval of or rejects a reservation or service request for whatever reason, INTELSAT USA LICENSE LLC assumes no liability. Deposit refunds are governed by the provisions listed below.

2.9.2 Confirmed Reservation

Subject to availability, a customer may place a confirmed reservation for a particular transponder (or fraction thereof) up to 6 months in advance of the requested service start date if the duration of the lease is less than three (3) years. Confirmed reservations will be accepted up to one (1) year prior to the start of service date if the duration of the lease is at least three (3) years. A confirmed reservation is made by submitting a written service order and, if required, a deposit or other financial guarantee with INTELSAT USA LICENSE LLC (subject to the conditions of Sections 2.8.2 and 2.8.3) and arranging for a foreign communications entity's matching order. Confirmation can be secured only at such time as all three requirements have been met by the customer. (For confirmed reservation requests which are placed in queue, see also Section 2.9.7. For confirmed reservations of one-week and one-month leases, see also Sections 4.8.1 and 4.9.1, respectively.) Confirmed reservations are non-cancelable and subject to the full lease termination liability. The customer may not postpone the scheduled service start date but may advance it, provided the new start date does not interfere with other claims to the capacity. A confirmed reservation may not be protected in all cases if foreign communications entities request the capacity for uses not involving INTELSAT USA LICENSE LLC. Subsequent lease requests for space segment capacity held under a confirmed reservation may be placed in queue subject to Section 2.9.7.

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2. General Regulations (cont'd)

2.9 Full-Period Transponder Lease Reservation (cont'd)

2.9.3 First Right of Refusal (FRR)

Subject to availability of capacity and unless specified otherwise, a customer may obtain the first right of refusal to a particular transponder (or fraction thereof) for lease terms of one year or more up to 6 months in advance of the requested service start date. The customer must submit a written request identifying the capacity desired and pay a deposit according to the following table:

	3 Months	More than 3 Mos
<u>For U.S. Half Only</u>		
Minimum Deposit	\$6,600	\$13,200
Deposit amount as a Percent of annual lease charge	2.5%	5.0%
 <u>For Through Service</u>		
Minimum Deposit	\$13,600	\$ 26,400
Deposit amount as a Percent of annual lease charge	2.5%	5.0%

Foreign concurrence for through service may be required. With the exception stated below under point (1), FRR deposits are not refundable in whole or in part and will be forfeited if service is canceled. (FRRs and FRR deposits are at risk if the requirements are not met for confirming the reservation [Section 2.9.2], which may include additional deposit monies and may entail other financial guarantees.) INTELSAT USA LICENSE LLC may limit the number of FRRs a customer places and may require that additional reservations placed by that customer be on a confirmed basis. In order for service to be initiated, the customer must confirm its reservation prior to the scheduled start time. This confirmation must be made two weeks (14 days) prior to scheduled start of service. When an FRR is upgraded to a confirmed reservation, the customer may submit a scheduled start date that is up to 6 months following the date of the confirmed reservation upgrade request if the duration of the lease is less than 3 years. If the lease duration is at least 3 years, the customer may submit a scheduled start date that is up to 1 year following the date of the confirmed reservation upgrade request. At the time service is confirmed, INTELSAT USA LICENSE LLC may require an additional deposit or other financial guarantee pursuant to Sections 2.8.2 and 2.8.3. If service is initiated as scheduled, the monies deposited may be applied to the first month's (or two months') service charges subject to Section 2.8.2. In addition to the deposit and/or an advance payment (Section 2.8.1), a third party guarantee may be required pursuant to Section 2.8.3.

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2. General Regulations (cont'd)

2.9 Full-Period Transponder Lease Reservation (cont'd)

2.9.3 First Right of Refusal (FRR) (cont'd)

The customer may not postpone the scheduled service start date but may advance it, provided the new start date does not interfere with other claims to the capacity. Subsequent requests made through INTELSAT USA LICENSE LLC for any portion of the same capacity by other customers must be either for a confirmed reservation, i.e., be made in writing and willing to start service within 6 months and accompanied by a deposit or other financial guarantee (subject to Sections 2.8.2 and 2.8.3), or be placed in queue pursuant to Section 2.9.7. An FRR may be renewed with a start of service date up to six months after the renewal request date. The 1st Revised FRR fee must be forfeited with the renewal. The start dates of FRRs and confirmed reservations placed prior to December 18, 1999 remain effective.

The customer holding the first right of refusal must exercise one of three options within 27 days of being notified by INTELSAT USA LICENSE LLC that a confirmed reservation for the same capacity has been received from another customer. The options are: (1) withdraw the reservation with full refund of deposit, (2) agree to substitute alternative capacity, or (3) confirm the first right of refusal reservation subject to the following conditions: (a) if the confirmed reservation received subsequently from another customer is for an earlier start date, INTELSAT USA LICENSE LLC may require the holder of the first right of refusal to advance its scheduled service start date or relinquish the capacity; (b) similarly, if the confirmed reservation received subsequently is for non-preemptible service, INTELSAT USA LICENSE LLC may require the holder of the first right of refusal to take its reserved service on a non-preemptible basis or relinquish the capacity; (c) if the confirmed reservation received subsequently is for a longer lease term and/or larger lease size, INTELSAT USA LICENSE LLC may require the holder of the first right of refusal to lengthen its lease term or to increase its lease size.

2.9.4 Precedence

INTELSAT USA LICENSE LLC will accept checks or wire transfers as payment for deposits. Checks must be sent to the INTELSAT USA LICENSE LLC World Systems controller's office. INTELSAT USA LICENSE LLC may apply existing credit balances toward deposit requirements. The exact time at which a customer fully meets all applicable requirements for placing a confirmed reservation or FRR determines precedence. Confirmed reservations and FRRs require a written service order identifying the capacity. Deposit requirements are specified in Section 2.9.3.

2.9.5 Transfers

Reservations of either type, including queued reservation requests, may be transferred with INTELSAT USA LICENSE LLC's knowledge and consent by one customer to another without forfeiture of deposit.

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2. General Regulations (cont'd)

2.9 Full Period Transponder Lease Reservation (cont'd)

2.9.6 Renewals

An operational lease will be granted an automatic first right of refusal reservation for the purpose of maintaining service continuity by the current customer for the utilized capacity.

The automatic first refusal reservation is premised on the assumption that the customer wishes to renew the lease for the same capacity allotment and service immediately upon expiration. The automatic first refusal reservation does not require the customer to place a new reservation request or deposit. However, if the leaseholder wishes to postpone the start date (beyond the expiration date of its current lease term) it will be required to place a new reservation request pursuant to Section 2.9.2 or 2.9.3. Similarly, if the leaseholder wishes to decrease or increase its capacity allotment or take a different service, it will be required to place a new reservation request in writing, with a deposit if required. The customer may convert its automatic first right of refusal reservation to a confirmed reservation (See Section 2.9.2) at any time from the start of its lease to 120 days prior to expiration. When doing so, the customer may select a new lease term offered in the tariff that is different from the old. Six (6) months prior to the expiration date of the existing lease, the automatic first refusal reservation, if not yet confirmed by the incumbent, is subject to challenge from other customers seeking the same capacity. Upon receipt of such a challenge, assuming the challenge is received 120 or more days prior to lease expiration, the current leaseholder will have 27 days to respond pursuant to Section 2.9.3. The challenging request may be for any service start date subject to Section 2.9.2. After the 120th day prior to lease expiration the current leaseholder relinquishes its automatic first right of refusal to renew. The customer must then renew in writing, with a deposit and will be subject to the same conditions as other potential customers for the capacity.

2.9.7 Queues

If an order cannot be approved the customer may be given the option to place the order, either FRR or confirmed reservation, on a waiting list for possible approval at a later date. All FRRs (and confirmed reservations with a lease term of less than 3 years) will be accepted in queue no more 6 months prior to the scheduled start of service date. Confirmed reservations placed in queue for leases of at least 3 years will be accepted no more than 1 year prior to the scheduled start of service date. Confirmed reservations that are placed in queue are subject to the same deposit requirements as those applicable to FRRs listed in section 2.9.3, except confirmed reservations made between 6 months and 1 year in advance would have the same fee as FRRs made 6 months in advance. When first placing an order, the customer must specify in writing whether it wishes to have the order placed on a waiting list in case the order is not approved and that option is offered. By placing an order on a waiting list the customer retains certain rights and obligations which are enumerated below. If no written instruction is provided, the order becomes void automatically if and when approval is denied. INTELSAT USA LICENSE LLC will provide notification of the approval status of pending orders.

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2. General Regulations (cont'd)

2.9 Full Period Transponder Lease Reservation (cont'd)

2.9.7 Queues (cont'd)

No order will be accepted if the requested start-of-service date is more than three years from the date of submission of the order. For non-operational capacity only confirmed reservation orders are accepted. It is possible that more than one order for the same capacity will be on the waiting list in queue. Queues will be established by orbital location. An order may be placed in more than one queue if INTELSAT USA LICENSE LLC determines that the service requirement can be met via capacity at more than one orbital location. Upon approval of the order at one location, the request will be removed immediately from the companion location. Orders are ranked in queue according to the exact time and date by which a customer has met all conditions set forth in Section 2.9.2 for confirmed reservations or Section 2.9.3 for first rights of refusal (FRRs). Orders of either kind for the same requirement will be placed in the same queue. Hence, the order placed first, confirmed or FRR, will rank first in queue, a subsequent order will rank second in queue and so on.

In cases where the tariff does not allow a challenge, wait-listed confirmed reservation requests seeking to utilize the requested capacity as soon as it could become available, are eligible for later approval on a first-come first-served basis.

However, if a customer prefers to be wait-listed even though capacity is available and its order could be approved or it could invoke the challenge procedure pursuant to Section 2.9.2 by advancing its start date but chooses not to, that customer incurs the risk of being by-passed by a subsequent order.

At the time a reservation is first placed, INTELSAT USA LICENSE LLC will inform the customer of its relative position in queue and the relative position of its requested service start date compared to other known claims to the capacity sought. INTELSAT USA LICENSE LLC does not guarantee this information as changes can occur at any time. At, such time as all impediments to approval are removed INTELSAT USA LICENSE LLC will approve wait-listed orders according to rank in queue. Upon approval, a reservation becomes effective immediately and automatically. This also applies to confirmed reservations for a start-of-service date more than twelve months hence, in an exception to Section 2.9.2.

Wait-listed orders whose requested service start date passes without approval become void and entitle the customer to a refund of its deposit monies. The effective start date for confirmed reservation orders for non-operational capacity shall be deemed the date on which said capacity becomes operational. (The operational date cannot be more than 3 years hence.) Confirmed reservation orders in queue are non-cancelable and are subject to the full lease termination liability. FRR orders in queue are cancelable subject to forfeiture of the deposit monies. INTELSAT USA LICENSE LLC will permit conversions of queued FRR orders to queued confirmed reservation orders. INTELSAT USA LICENSE LLC may permit advancement of the scheduled service start date of queued orders if, in its judgment, the effect would be to bring about actual service implementation sooner.

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2. General Regulations (cont'd)

2.9 Full Period Transponder Lease Reservation (cont'd)

2.9.7 Queues (cont'd)

If a reservation cannot be approved for the full amount of the capacity requested, but only for a portion, the customer must respond in writing within 48 hours from being notified by INTELSAT USA LICENSE LLC in writing whether it wishes to accept the smaller amount of capacity available. If an affirmative response is not received by INTELSAT USA LICENSE LLC within 48 hours, the capacity will be offered to the next customer in queue. Other amendments to orders in queue are not permitted.

2.9.8 Extensions

Subject to availability of capacity and acceptance by Intelsat, transponder leases of one year or longer may be extended by written order from the customer at the applicable long-term monthly lease rate for a maximum period of one year (twelve months). For lease extensions of less than thirty days, the applicable long-term monthly rate will be prorated on a daily basis. A lease may be extended only once.

Once approved, the period of extended service becomes part of the 1st Revised lease and is subject to early termination charges as if the new, longer term had been ordered at the outset. If the order to extend service is placed 120 days or more prior to the 1st Revised expiration date, and there are no confirmed reservation requests challenging the lease's extension, the extension can be approved and the automatic first right of refusal (FRR) to renew (see Section 2.9.6) conveys to the incremental service period. If the extension request is placed less than 120 days prior to the 1st Revised expiration date, other confirmed or FRR reservations will take precedence.

2.9.9 Discontinuance of Service for Cause

Upon non-payment when due of any sum owing to INTELSAT USA LICENSE LLC, or upon a violation of any of the provisions governing the furnishing of service under this tariff, INTELSAT USA LICENSE LLC may, upon three (3) calendar days' written notice to the customer, without incurring any liability, forthwith discontinue the furnishing of said service until such violation or non-payment is rectified by the customer to INTELSAT USA LICENSE LLC's satisfaction. If any service is discontinued for cause, the customer is liable for payment of all sums due, any specified termination charges, and any associated costs, including but not limited to attorney fees, court costs and investigation fees which INTELSAT USA LICENSE LLC may incur as a result of the service termination.

2.9.10 Use

Capacity sold under this tariff may be used for international private line service interconnected with the public switched network, but only on routes approved by the FCC. Capacity sold under this tariff and used for international private line service may not be resold in a country unapproved by the FCC if the reseller uses a carrier switch interconnected with the public switched network.

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2. General Regulations (cont'd)

2.10 Definitions

Advanced Research Project Agency

An agency of the United States Government which conducts scientific research and, in connection therewith, has an established communications network in the United States for use in the transmission and reception of digital data communications at various speeds by means of packet switching techniques.

C-Band

The frequency band which is used to communicate between an earth terminal and a satellite in which 6 GHz is used to transmit from the earth terminal to the satellite and 4 GHz is used to transmit from the satellite to the earth terminal.

Companded FDM/FM Service

A voice grade channel obtained through companding equipment meeting certain international specifications.

Customer

A user who orders service from INTELSAT USA LICENSE LLC and is responsible for the payments of charges. In addition, a foreign communications entity may be a customer of INTELSAT USA LICENSE LLC as outlined in 1.5 preceding.

Data Rate

The data or information rate refers to the bit rate entering or leaving the earth station IDR equipment on the terrestrial side. It refers to standard data rates as provided in the CCITT digital multiplex equipment recommendations except the 512 Kbps rate which refers to eight times the 64 Kbps rate and the 18 Mbps rate which refers to a composite data rate, e.g., two times 8.448 Mbps plus one 2.048 Mbps standard data rate.

Duplex Service

The establishment of communications signals over a satellite channel in two directions, i.e., simultaneous transmission and reception.

Foreign Communications Entity

A foreign administration, carrier or company furnishing telecommunications services to others.

Half-Duplex

As used herein, the term half-duplex denotes the establishment of communications signals over a satellite channel alternately in either direction, i.e., alternate transmission/reception of one-way signals.

High Power and Standard Power

For 36 MHz global beam space segment capacity, the high power level is 29.0 dbw. For K-band spot beam capacity, 72 MHz or 112 MHz, the high power level is 46.7 dbw, except in Spot 3 and Spot 2 transponders. For Spot 3 transponders on the Intelsat VIIA spacecraft, the standard power level is 42.8 dBW and the high power level is 44.5 dBW if an entire transponder is leased.

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2. General Regulations (cont'd)

2.10 Definitions (cont'd)

High Power and Standard Power (Cont'd)

Spot 2 transponders on the Intelsat VII and VIIA are switchable to two downlink beams simultaneously, in which case the power level will be 44.1 dBW on a VII and 45.2 dBW on a VIIA spacecraft if an entire transponder is leased. High power rates apply to Spot 2 transponders with either one or two downlink beams. 36 MHz Hemi/Zone high power capacity offers the same power as 72 MHz Hemi/Zone standard capacity. There is no high power option for 72 MHz Hemi/Zone. Unless specified otherwise, the rates in this tariff are for standard capacity.

IBS

International Business Satellite Service.

IDR - International Digital Route Carrier

IDR carriers result from the addition of overhead (for Engineering Service Circuits) and Forward Error Correction (FEC) encoding bit streams to the 1st Revised data rates and using the result to modulate a radio frequency carrier for transmission. The 96 Kbps overhead bit stream is only required on data rates of 1.544 Mbps and above. The 512 Kbps data rate stream is framed with an IBS type overhead stream before encoding. The 64 Kbps data rate stream only requires FEC. The 2.048 Mbps data rate is also suitable for interfacing with the Time Division Multiple Access (TDMA) equipment.

INTELSAT USA LICENSE LLC

The wholly-owned subsidiary of Intelsat USA Sales LLC, licensed to operate as a common carrier in the United States.

K-Band

The frequency band which is used to communicate between an earth terminal and a satellite in which 14 GHz is used to transmit from the earth terminal to the satellite and 11 or 12 GHz is used to transmit from the satellite to the earth terminal.

Non-Standard Earth Terminal

An earth terminal which does not meet the minimum performance criteria established by Intelsat for a standard earth terminal or, due to urgent service requirements, has not completed the verification and certification process. Non-standard earth terminals are approved on a case-by-case basis to provide Intelsat defined digital or analog services in the 14/11 GHz or 6/4 GHz frequency bands. Non-standard earth stations can obtain only temporary approval to provide services through the Intelsat system and must obtain renewed prior approval for each occasion of use.

Satellite System

The telecommunications satellites and the tracking, telemetry, command, control, monitoring and related facilities and equipment which are owned by Intelsat.

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2. General Regulations (cont'd)

2.10 Definitions (cont'd)

Simplex Service

The establishment of communications signals over a satellite channel in one direction only.

Space Segment

That portion of an international communications link which consists of the receipt and amplification of an uplink carrier from an earth terminal and/or the amplification and retransmission of a carrier in a downlink beam. Space segment service provided by INTELSAT USA LICENSE LLC must be combined with a similar space segment service provided by a foreign communications entity and with earth segment services at the receive/transmit point or points.

Standard A Earth Terminal

An earth terminal certified for all types of services that operates in the 4 and 6 gigahertz frequency band with a minimum clear sky gain-to-noise temperature ratio of 35.0 dB/K.

Standard B Earth Terminal

An earth terminal certified for all types of services that operates in the 4 and 6 gigahertz frequency band with a minimum clear sky gain-to-noise temperature ratio of 31.7 dB/K.

Standard C Earth Terminal

An earth terminal certified for all types of services that operates in the 14 and 11 gigahertz frequency band with a minimum clear sky gain-to-noise temperature ratio of 37.0 dB/K.

Standard E Earth Terminals

An earth terminal certified for all types of services that operates in the 14 and 11 gigahertz frequency band (direct) and in the 14 to 4 or the 6 to 11/12 gigahertz frequency bands (cross strapped). The minimum clear sky gain-to-noise temperature ratios of each of three types of Standard E terminals are as follows:

<u>Type</u>	<u>G/T</u>
E-1	25.0
E-2	29.0
E-3	34.0

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2. General Regulations (cont'd)

2.10 Definitions (cont'd)

Standard F Earth Terminals

An earth terminal certified for all types of services that operates in the 6 and 4 gigahertz frequency band (direct) and in the 6 to 11/12 or 14 to 4 gigahertz frequency bands (cross strapped). The minimum clear sky gain-to-noise temperature ratios of each of three types of Standard F terminals are as follows:

<u>Type</u>	<u>G/T</u>
F-1	22.7
F-2	27.0
F-3	29.0

Standard G Earth Terminal

An earth terminal which encompasses a wide range of antenna sizes, modulation techniques and performance characteristics. A Standard G earth station can provide on a transponder lease basis (fractional or whole), both digital and analog services in the 14/11 GHz as well as the 6/4 GHz frequency bands. More detailed specifications for Standard G terminals will be provided by INTELSAT USA LICENSE LLC upon request.

TDMA Equipment

Time Division Multiple Access equipment intended for voice and/or data transmissions.

United States

The term "United States Mainland" as used herein means the 48 contiguous states, the District of Columbia and the Virgin Islands. The term "United States overseas points" means the States of Alaska and Hawaii, the Commonwealth of Puerto Rico, the Territories of Guam, American Samoa, Saipan, the Federated States of Micronesia, the Republic of the Marshall Islands and the Republic of Palau.

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3. Voice Grade Service

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3. Voice Grade Service

3.1 General Voice Grade Service

3.1.1 Definition

General Voice Grade Service is a duplex or two-way service provided on the Atlantic Primary Path, Atlantic Major Path 1, Atlantic Major Path 2, Pacific Primary and Pacific operational spare satellites. The location of these satellites may be obtained upon request from INTELSAT USA LICENSE LLC. This service may be accessed through Standard A, Standard B, or Standard C earth terminals and meets the CCIR channel noise objectives.

3.1.2 Conditions

- (A) Use
General voice grade service may be used for switched telephony, private line, low speed data, teletype, telex and facsimile traffic.
 - (B) Minimum Service Period
General Voice Grade Service is furnished on a monthly [full time] and temporary [daily] basis. The minimum period for Temporary Services is one day (24 consecutive hours). Monthly Service will be renewed automatically for successive one-month periods unless a written termination notice is received at least 30 days prior to service termination.
 - (C) Channel Alignment
On an as available basis, two or more contiguously aligned voice grade channels will be provided as a single channel of continuous bandwidth with said bandwidth approximately equivalent to the sum of the individual voice grade channels furnished. This single channel may be utilized by the customer to accommodate wideband service requirements and alternatively may be subdivided by the customer into individual voice grade channels. The number of voice grade channels derived by the customer shall not exceed the number of contiguously aligned voice grade channels furnished by INTELSAT USA LICENSE LLC.
 - (D) Channel Combination
A customer may combine two or more voice grade channels if such combination does not interfere with the operation of INTELSAT USA LICENSE LLC's space segment facilities. Such combination of channels shall not be undertaken until INTELSAT USA LICENSE LLC has been notified and has determined the technical compatibility of the proposed combination with the operation of its facilities. INTELSAT USA LICENSE LLC will undertake to make such determination promptly. If INTELSAT USA LICENSE LLC determines a particular combination is not technically compatible, it will so notify both the customer and the Federal Communications Commission.
 - (E) Channel Derivation
A customer may create from voice grade channels additional channels or additional capacity for alternate or simultaneous voice and non-voice communications or for non-voice communications, or for voice communications.
-

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3. Voice Grade Service (cont'd)

3.1 General Voice Grade Service (cont'd)

3.1.2 Conditions (cont'd)

(F) Shared Use of a Channel

Two or more customers may share the use of voice grade channels if they are able to obtain requisite foreign coordination as indicated in 2.1. The charge for a shared channel will be the same as the charge applicable if the channel were not shared. Each customer sharing in the use of a voice grade channel must be identified in the order for service and shall be jointly and severally liable for payment of INTELSAT USA LICENSE LLC's total charge for the channel. One of the customers sharing the channel shall be designated in the order for service as billing agent for all of the customers and as billing agent shall be responsible for collection of the payments due from each customer. The customer designated in the order as billing agent shall also be responsible to INTELSAT USA LICENSE LLC for coordination in the sharing of the channel by the participating customers and shall be deemed to have been authorized in their behalf to receive notices from INTELSAT USA LICENSE LLC and to respond to any inquiries from INTELSAT USA LICENSE LLC.

3.1.3 Rates

(A) <u>Monthly Service</u>	Standard A, Standard C	Standard B
	<u>Access</u>	<u>Access</u>
Monthly Rate per Voice Grade Channel	\$610.00	\$860.00

(B) Temporary Service

Service on Consecutive Days

The charge for Temporary Service shall be the following percentage of the applicable (analog or digital) monthly rate: for each of the first two days or fraction thereof of Temporary Service, ten percent of the monthly rate; for the next eight days or fraction thereof, five percent per day; for the next ten days or fraction thereof, four percent per day. The charge for Temporary Service furnished during a 30-day consecutive period shall not exceed the applicable full-time monthly charge for the service. Temporary Service can only be obtained for a maximum of 90 consecutive days. After this time a Temporary Service circuit is converted to regular monthly service.

Service on Non-Consecutive Days

Within a 30-day period the sum of the charges for non-continuous service will not exceed the charge for continuous service between the start and end dates encompassing all the individual service periods.

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3. Voice Grade Service (cont'd)

3.2 Multi-Year Contract Service

3.2.1 Definition

Multi-Year Contract Service provides for a long-term commitment for General Voice Grade service as defined in Section 3.1.1. It is available in the regions specified and subject to the terms and conditions set forth in Section 3.2.2 below.

3.2.2 Terms and Conditions

- (A) Eligibility - All circuits to countries specified in Section 9 are eligible for Multi-Year Contract Service at the rate specified for the applicable region.
 - (B) Term - Multi-Year Contracts are available for five-, seven- and nine-year terms for FDM/FM voice service. Subject to Section 6.1(B)(5), the term for each new circuit placed under multi-year contract commences on the day service is activated and terminates five, seven or nine years, whichever is applicable, from the commencement date. Monthly circuits already in service may be converted to contract service subject to Section 6.1(B)(4). For converted circuits, the lease term starts on the day of conversion and terminates five, seven or nine years, whichever is applicable, from the commencement date.
 - (C) Conversion to and Activation of Multi-Year Contracts-
The provisions of Sections 6.1(B)(4) and 6.1(B)(5) apply.
 - (D) Billing - Billing for each circuit purchased pursuant to the Multi-Year Contract Service tariff, at the rates specified in Section 3.2.4, begins on the day of activation or conversion and extends through the term of the contract subject to the provisions of Sections 3.2.2(C) and 3.2.2(F).
 - (E) Contract Rollover - Circuits under Multi-Year Contracts are eligible for conversion to future multi-year contract offerings, subject to the rates, terms, and conditions of the new offering (including contract duration), provided that the term of the new offering must equal or exceed the remaining current commitment. Future multi-year contract offerings may include offerings taking advantage of technological advancements.
 - (F) Early Termination - Each Multi-Year Contract Circuit terminated prior to the end of the contract term will be assessed a termination charge with the exceptions listed below in Sections 3.2.2(G) and 3.2.2(H). The applicable termination charges are identified in Section 3.2.3. No termination charge will apply to circuits covered by the rollover provision set forth in Section 3.2.2(E) above.
 - (G) Regions - Contract Service can be obtained for voice grade circuits serving the following regions: (1) Europe, (2) Pacific, (3) Latin America, and (4) the Middle/Near East, Africa and other Europe. Countries are identified in Section 9. The customer can change the foreign point within the applicable geographic region at anytime.
 - (H) Earth Station Access - The customer can change the U.S. earth station used, from those specified, at any point in the contract period, subject only to appropriate rate changes for any difference in earth station size.
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3. Voice Grade Service (cont'd)

3.2 Multi-Year Contract Service (cont'd)

3.2.3 Early Termination Charges

For each Voice Grade circuit obtained under the provision of Section 3.2 of the tariff, Multi-year Contract Service, the early termination charge is \$1,600 + 30% of the remaining contract obligation. For nine year contracts the early termination charge is \$1,600 + 45% of the remaining contract obligation.

3.2.4 Rates

Multi-year contract service rates for Voice-Grade circuits are as follows:

MONTHLY RATE PER VOICE GRADE CHANNEL

Standard A & C Access:

			Mid/Near East	
<u>Term</u>	<u>Europe</u>	<u>Pacific</u>	<u>Latin America</u>	<u>Africa & Other Europe</u>
5 Yrs	\$525	\$540	\$540	\$595
7 Yrs	455	470	470	580
9 Yrs	420	440	440	565

Standard B Access:

			Mid/Near East	
<u>Term</u>	<u>Europe</u>	<u>Pacific</u>	<u>Latin America</u>	<u>Africa & Other Europe</u>
5 Yrs	\$740	\$760	\$760	\$840
7 Yrs	650	670	670	820
9 Yrs	610	620	620	800

This is not a bearer circuit service.

The rates above are subject to adjustment to reflect material changes in the Federal Tax laws applicable to INTELSAT USA LICENSE LLC.

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4. Video Services

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4. Video Services

4.1 Definition

Analog Video Services consist of one-way monochrome or color video channel(s) and one associated FM audio subcarrier. Digital Video Services comprise a video signal and one or more sound channels. INTELSAT USA LICENSE LLC video services are provided for combination with like channels furnished by a foreign communications entity. Except as specified in Section 4.3, this service can be accessed by earth stations satisfying Intelsat Standard G specifications. The precise technical characteristics of this service when accessed by these antennas can be obtained from INTELSAT USA LICENSE LLC upon request. This information is also available in the Intelsat Earth Station Standards (IESS) module 601.

4.2 Terms and Conditions

4.2.1 Service Options

Service is furnished on a contract or short-term basis at (C)
C-band and Ku-band under the following options:

- (A) Bandwidth - Service is offered in bandwidths ranging from 6 MHz to 72 MHz. Cross-strapped interconnection of C-band and Ku-band earth terminals is available on some satellites.
- (B) Coverage - The services offered are provided on primary/major path satellites as well as non-primary/non-major path satellites servicing the Atlantic and Pacific Ocean Regions. Double hop service involving the use of an Indian Ocean Region satellite together with an Atlantic or Pacific Ocean Region satellite is also offered. The exact geographic coverage provided by these services can be obtained from INTELSAT USA LICENSE LLC upon request.
- (C) Connectivity - Service is available on a point-to-point or multipoint basis, and simplex or half-duplex basis. Multipoint service is available only where the transmission involved is via a single satellite channel. If two satellites or channels are required, the service will be considered two separate services.
- (D) Protection - Service is provided on a preemptible or non-preemptible basis as indicated.

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4. Video Services (cont'd)

4.2 Terms and Conditions (cont'd)

4.2.2 Video Channels

The video channels provided under this service permit the analog or digital transmission or reception by a customer's earth terminal of monochrome or color program material using the NTSC (National Television Standard Committee) standard. Other standards are available (e.g., PAL, SECAM, MAC).

4.2.3 Audio Subcarrier

Single or multiple audio subcarriers may be combined with the video carrier for leased transponder services conforming to IESS 410 and 601.

(C)

(C)

4.2.4 Additional Audio or Data Signal

An additional audio or data signal associated with the video signal may be transmitted in the vertical interval of the video signal for leased transponder services conforming to IESS 410 and 601.

(C)

(C)

4.3 Short-Term, Full-Period Television Service

Short-Term Full-Period Leased Video Service is furnished 24 hours a day, 7 days a week, on global, hemispheric, zone and spot beam transponders on Intelsat satellites. Service may be simplex or half-duplex, analog or digital, point-to-point or point-to-multipoint, and is offered on a preemptible basis. Service is available on both fully station-kept and designated inclined-orbit satellites, subject to capacity availability.

4.3.1 Terms and Conditions

(A) Reservations of capacity for one-week, one-month, three-month and six-month full period video leases, including extensions of said leases, are provided on a confirmed basis only. Confirmed reservations are non-cancelable and subject to the full service charges for the duration of the lease period. The customer must pay the full applicable charges once service commences even if it elects to terminate service early. The terms and conditions of paragraphs 4.2.1 apply. In addition, the provisions governing confirmed reservations, described in Sections 2.9.1 and 2.9.2 apply, except as stated in (1), (2) and (3) below:

- (1) no deposit is required for one-week video leases if the customer requests combinations of one-week leases, in the same or different ocean regions, totalling less than four weeks of service;
- (2) reservations for one-week, one-month, three-month and six-month video leases will not be accepted more than six months prior to the scheduled start date;
- (3) reservations for special events -- Summer and Winter Olympics and World Cup Soccer -- may be placed up to four years in advance of the scheduled start date.

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4. Video Services (cont'd)

4.3 Short-Term, Full-Period Television Service (cont'd)

4.3.1 Terms and Conditions (cont'd)

- (B) Leases of intermediate periods, other than those indicated below, may also be ordered, subject to a minimum period of one week and capacity availability. The rates for such short-term leases shall be determined by prorating the applicable charge for the next shorter standard term. For example, an eight-day lease will be charged by prorating the weekly rate; a 35-day lease will be charged by prorating the monthly rate, and so on.
- (C) Upgrading to a lease of longer duration will be allowed, subject to capacity availability. For example, a one-week lease may be upgraded to a new one-month lease after the third day. The initial three days shall be billed at the prorated weekly rate and a new one-month commitment shall begin from the fourth day.
- (D) Subject to capacity availability, extensions, one week or longer, of short-term leases may also be allowed. At least 24 hours' notice prior to the end of the 1st Revised lease is required to effect an extension. The charge for the period up to the approval of the extension will be in accordance with the (prorated) rate associated with the 1st Revised lease term; and the charge for the period following the approval of the extension will be in accordance with the entire length of the lease. For example, if after five days a one-week lease is extended to 30 days, the initial five days will be billed at the prorated weekly rate and the remaining 25 days will be billed at the prorated monthly rate.

4.3.2 Rates

All rates are by custom quote.

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6. Digital Services

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6. Digital Services (cont'd)

6.1 Digital Bearer Service

(A) Definition

Digital Bearer Service consists of two-way digital satellite carriers for transmission and reception at various data rates as specified for TDMA and IDR Service defined below. Digital Bearer service provided by INTELSAT USA LICENSE LLC must be combined with like service provided by a designated foreign communications entity to establish a through connecting link. The conditions governing General Voice Grade Service listed in Sections 3.1.1, 3.1.2.A, 3.1.2.C, 3.1.2.D, 3.1.2.E, 3.1.2.F and 3.1.3(B) of this tariff apply unless otherwise stated.

(B) Terms and Conditions

- (1) Digital Bearer Service - A customer may derive from a bearer service multiple circuits by means of digital circuit multiplication equipment for use in the furnishing of communications services pursuant to such authorization as may be required by the Federal Communications Commission.
 - (2) Eligibility - All circuits to countries specified in Section 9.2 are eligible for Digital Bearer Service.
 - (3) Term - Digital Bearer Service is available for varying terms depending on the particular offering selected. Subject to Sections 6.1(B)(5) and 6.1(B)(6), the term for each new service commences on the day service is initiated and terminates one month, five, seven, ten or fifteen years, whichever is applicable, from the commencement date. Subject to Sections 6.1(B)(4) and 6.1(B)(7), monthly circuits already in service may be converted to Digital Bearer Service. For converted circuits, the lease term starts on the day of conversion and terminates one month, five, seven, ten or fifteen years, whichever is applicable, from the conversion date.
-

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6. Digital Services (cont'd)

6.1 Digital Bearer Service (cont'd)

(B) Terms and Conditions (cont'd)

- (4) Conversion to Multi-Year Contract Service - Customers requesting to convert (1) monthly service to multi-year service or multi-year regional commitments, (2) multi-year service to a longer-term commitment, regional or other, can effect the conversion on the first day of the following month provided INTELSAT USA LICENSE LLC receives a written request no later than the 20th day of the current month. Requests received after the 20th of a month will not become effective in the following month but on the first day of the month thereafter.
- (5) Activation of New Multi-Year Contract Service - Subject to Section 6.1(B)(6), customers with written standing orders to place all their service under specified multi-year contracts will be billed the long-term rate for newly activated multi-year service, regional or other, from the date of activation. Customers without written standing orders will be billed the long-term rate starting the first day of the following month as long as INTELSAT USA LICENSE LLC receives written notification by the 20th of the current month, subject to Section 6.1(B)(6).
- (6) Billing - Billing for each service purchased pursuant to this tariff at the rates specified begins on the day service is activated or converted and extends through the term of the commitment subject to the provisions of subparagraphs (4), (5), (10), (11) and (13) of this Section. For newly activated circuits, the date of service activation, and hence the commencement of billing, shall be no later than the 14th calendar day following the commencement of initial SSOG (Satellite System Operations Guide) testing.
- (7) Circuit Rollover - Customers may rollover existing Multi-year FM contract circuits by substituting Multi-year Digital Bearer Service subject to Section 6.1(B)(4) above and to the rates, terms, and conditions of the applicable offering. The following conversion ratios apply to rollovers of existing Multi-year FM circuits into Digital Bearer Service.
- (a) The maximum average ratios for rollovers of Multi-year FM circuits to TDMA/DNI or IDR 64 Kbps data rate carriers in a given calendar year are:

3.96:1 in 1988	4.27:1 in 1992
4.12:1 in 1989	4.28:1 in 1993
4.29:1 in 1990	4.29:1 in 1994
4.26:1 in 1991	

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6. Digital Services (cont'd)

6.1 Digital Bearer Service (cont'd)

(B) Terms and Conditions (cont'd)

(7) Circuit Rollover (cont'd)

- (b) If a customer rolls over Multi-year FM circuits at different times during the year, the conversion ratio for an individual rollover request may vary as long as the average ratio specified is maintained throughout the relevant calendar year.
- (c) The maximum ratio for any rollover request from Multi-year FM circuits to TDMA/DSI circuits, given present technical parameters, is 2.2:1.
- (d) Customers requesting TDMA and IDR Bearer Service, on a monthly basis, may derive multiple circuits through digital circuit multiplication equipment. Except for emergency cable restoration, the maximum average number of derived circuits in a given year must not exceed the conversion ratios stipulated in (7)(a) above.

Pursuant to Section (7)(c) above, customers requesting TDMA/DSI bearer circuits, on a monthly basis, will be allowed a maximum of 2.2 derived circuits per TDMA/DSI bearer circuit, except for emergency cable restoration.

TDMA/DNI Service may be converted to IDR Service and vice versa at a ratio of 1:1, subject to the rates, terms and conditions of the applicable offering.

TDMA/DSI circuits may be converted to TDMA/DNI or IDR Service, subject to the rates, terms and conditions of the applicable offering, at the ratio specified above for the appropriate year divided by 2.2. For example, 100 TDMA/DSI circuits in 1989 may be converted to 53.40 DNI 64 Kbps data rate carriers ($100/[4.12/2.2]$), but no less than that number.

If customers wish to convert Digital Bearer Service to Multi-year FM circuits, the conversion ratios listed above apply as an average annual minimum. For example, 100 IDR circuits would have to be converted to at least 396 Multi-year FM circuits in 1988.

The maximum Multi-year FM rollover ratio for data rate carriers larger than 64 Kbps is obtained by multiplying the appropriate ratio from paragraph (7)(a) by the appropriate number of 64

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6. Digital Services (cont'd)

6.1 Digital Bearer Service (cont'd)

(B) Terms and Conditions (cont'd)

(7) Circuit Rollover (cont'd)

(d) (cont'd)

Kbps carrier equivalents stipulated in paragraph (11). For example: In 1990, the maximum number of Multi-year FM circuits that could be rolled over into a 2.048 Mbps IDR carrier is 128.7 (4.29 x 30).

All circuit rollovers require that, starting from the date of the rollover (also applies to upgrades), the term of the new commitment equal or exceed the remaining current commitment of the circuits being rolled over. All circuit rollovers require an immediate new commitment by the customer for the full term of the service offering into which its circuits are being rolled over. Circuit rollovers as defined herein are not subject to termination charges.

(8) Regions - Digital Bearer Service can be obtained for the following regions: (1) Europe, (2) Pacific, (3) Latin America, and (4) the Middle/Near East, Africa and other Europe. Customers may substitute bearer Service from one foreign destination to another without incurring termination charges. Countries are identified in Section 9.2.

(9) Earth Station Access - Digital Bearer Service can be provided through any appropriate U.S. earth station selected by the customer. The customer can change the U.S. earth station used at any point in the contract period, subject only to appropriate rate changes for any difference in earth station size. The customer can change the foreign point at any time.

(10) Early Termination - For each TDMA or IDR 64 Kbps data rate carrier equivalent (see paragraph 11 below for data rate equivalencies), the early termination charge is \$6,880 + 50 percent of the remaining obligation for 7, 10 and 15 year contracts, if said contracts were entered into prior to January 1, 1992; and \$6,880 + 65 percent of the remaining obligation for all 5 year contracts. The termination charge for all 7, 10 and 15 year IDR and TDMA contracts entered into on or after January 1, 1992, is \$6,880 + 75 percent of the remaining obligation (based on the applicable rate at the time of termination).

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6. Digital Services (cont'd)

6.1 Digital Bearer Service (cont'd)

(B) Terms and Conditions (cont'd)

- (11) Upgrades - Customers may upgrade the bit rate of Digital Bearer Service carriers, for example, from 64 Kbps to 2.048 Mbps, as long as the contract term of the larger data rate carrier is equal to or greater than the remaining contract term of each of the smaller data rate carriers. The different data rate carriers offered are considered to have maximum 64 Kbps data rate equivalent capacity as defined here and upgrades must conform to these defined capacities (e.g., no more than three 512 Kbps carrier leases can be placed into one 1.544 Mbps carrier lease).

<u>Carrier Size</u>	<u>No. of 64 Kbps Data Rate Carrier Equivalents</u>
512 Kbps	8
1.024 Mbps	16
1.544 Mbps	24
2.048 Mbps	30
6.312 Mbps	90
8.448 Mbps	120

- (12) Growth Plan - Commencing January 1, 1992, all newly activated 5, 7, 10 or 15 year IDR, TDMA/DNI and TDMA/DSI digital circuits, i.e., growth circuits, including conversions of existing FM to multi-year digital bearer circuits, to each of the four regions stipulated in paragraph (8) above, will be billed where applicable according to the rate structure outlined in Section 6.1.5. The initial 270 (64 Kbps equivalent) digital growth circuits to each region will be billed at the specified rates applicable to the carrier size, lease term and earth station standard; the next 360 growth circuits to the same region will be billed at lower rates; the subsequent 450 growth circuits to the same region at still lower rates; and any additional growth circuits to that region beyond the initial 1,080 circuits will receive the lowest rates. The customer may choose any combination of Digital Bearer carrier sizes, lease terms and earth station standards offered under this plan to meet the circuit blocks. Weighted average rates will apply if the activation of a digital carrier adds more growth circuits than the number required to satisfy the remaining requirement of a block. Under the plan, each 64 Kbps IDR, TDMA/DNI and TDMA/DSI multi-year digital bearer growth circuit will be counted as one circuit.

All multi-year IDR and TDMA/DNI and TDMA/DSI digital bearer circuits activated prior to January 1, 1992 will also be considered "base circuits" and not growth circuits. "Base circuits must complete their existing lease terms, or rollover to longer-term commitments pursuant to paragraph (7) (d), at the applicable rates stipulated in sections 6.1.1.(B) and 6.1.4, or pay termination charges pursuant to paragraph (10) above. TDMA/DSI circuits activated prior to January 1, 1992, may be converted to TDMA/DNI or IDR circuits pursuant to paragraph (7) above; however, these conversions will not change the status of said circuits as "base circuits" and therefore they will not count toward digital growth.

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6. Digital Services (cont'd)

6.1 Digital Bearer Service (cont'd)

(B) Terms and Conditions (cont'd)

(12) Growth Plan (cont'd)

Relocation of growth circuits from one region to another is permitted pursuant to paragraph (8) above. Such relocation will increase the number of growth circuits in one region at the expense of the other. The customer must advise INTELSAT USA LICENSE LLC of such relocations, as well as the order in, and regions to, which circuit activations are to occur.

(13) Circuit Substitutions - Customers can make substitutions for long-term committed IDR and TDMA circuits under the following conditions:

- (a) Upon deactivation of a contract circuit, "base" or "growth", the customer has 90 days to activate an equivalent replacement circuit. After 90 days, early termination charges will be imposed if an equivalent replacement circuit is not activated. This charge will apply to outstanding 64 Kbps equivalent balances which are not replaced by the end of the 90-day period. During the intervening (90-day maximum) period, the customer will continue to be billed the applicable long-term rate for the deactivated circuit until such time as the replacement circuit is activated, subject to paragraph (c) below. The start date and the lease term of the deactivated circuit do not change when it is physically replaced with another circuit. If the circuit being replaced was a "base" circuit, then the relevant "base" rate will apply to the replacement circuit. If the circuit being replaced was a "growth" circuit, then the relevant "growth" rate will apply to the replacement circuit.
- (b) Pursuant to paragraph (a) above, if a long-term digital bearer carrier is replaced by a larger carrier or several different carriers for which the price differs (on a 64 Kbps equivalent basis), the new price(s) will be charged from the date that the replacement carrier(s) is (are) effective (within the 90-day period). The price for the deactivated carrier being replaced will apply up to that date, subject to paragraph (c) below.

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6. Digital Services (cont'd)

6.1 Digital Bearer Service (cont'd)

(B) Terms and Conditions (cont'd)

(13) Circuit Substitutions (cont'd)

- (c) If a long-term carrier is not replaced all at once, but by several smaller carriers at different points in time during said 90-day period, the price of the deactivated carrier will be reduced in proportion to the fraction of the carrier replaced, as measured in 64 Kbps circuit equivalents. At the same time, the price applicable to each replacement carrier will be added from its date of activation.
 - (d) The replacement circuit can be any of the following:
 - (a) a newly activated contract circuit, (b) an existing month-to-month circuit for which the customer is paying the applicable monthly rate and which is converted to a contract circuit, or (c) a long-term growth circuit that has been on the system no more than 30 days. Contract circuits used as replacements may have lease terms of 5, 7, 10 or 15 years, and are subject to the provisions stated herein.
 - (e) All new circuits that are ordered as "long-term" will be billed the growth traffic rate (Section 6.1.5) for the appropriate traffic block in the relevant region and for the lease term requested. The customer has 30 days to choose a different lease term (minimum of 5 years) if it so desires. If the lease term is changed, a billing adjustment will be made to reflect the new lease term retroactive to the date of activation.
 - (f) Pursuant to paragraphs (a) and (d) above, a new long-term circuit can be designated as a replacement for another long-term circuit by the customer during the first 30 days of its term. Long-term circuits that are designated as replacements will be back billed, effective from the date of activation, the difference between the month-to-month rate and the applicable long-term rate.
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6. Digital Services (cont'd)

6.1 Digital Bearer Service (cont'd)

6.1.1 TDMA Service

(A) Definitions

Time Division Multiple Access/Direct Digital Interface (TDMA/DDI) is a two-way digital system in which users access a 72 MHz transponder on a single frequency in a predetermined sequence for a specified period of time. In order to establish a through communications link with foreign earth stations accessing a TDMA transponder, it is necessary for the customer to operate TDM/QPSK/TDMA from a Standard A earth station with rate 7/8 FEC and transmit digital bit streams of 64 Kbps, or a multiple thereof, in a 120 Mbit/s carrier at C-band. Additional technical specifications are set forth in the Intelsat Earth Station Specification Document IESS-317. Within the parameters specified, service quality meeting ISDN standards is guaranteed: 10^{-7} BER under clear sky conditions and 10^{-3} BER for all but 0.04% of the year under degraded sky conditions. TDMA is offered on a clear channel 64 Kbps, or multiple thereof, and 2.048 Mbps bearer basis.

(B) Rates

(1) RATE PER MONTH FOR TDMA SERVICE TO ALL REGIONS WITH A START-OF-LEASE DATE PRIOR TO JANUARY 1, 1992

<u>Term</u>	<u>64 Kbps</u>	<u>2.048 Mbps</u>
Monthly	\$747	---
5 years	498	14,388
10 years	357	10,015
15 years	355	9,749

(R)*

(R)*

(2) All TDMA contract carriers activated prior to January 1, 1992, which are transmitted through Standard A antennas in the U.S. with a minimum G/T of 40.7 dB/K and received by Standard A antennas at the foreign end with a G/T of at least 39.0 dB/K, will be billed commencing May 1, 1992 at 90 percent of the applicable rates in Sections 6.1.1 (B) (1) and (2) above for the carrier size utilized. This reduction in the rates may be discontinued if INTELSAT USA LICENSE LLC reduces the rates in Sections 6.1.1 (B) (1) and (2) above to which the 90 percent reduction is being applied.

(3) The rates for multi-year TDMA/DDI service with a start-of-lease date on or after January 1, 1992 are listed in Section 6.1.5.

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6. Digital Services (cont'd)

6.1 Digital Bearer Service (cont'd)

6.1.3 IDR SERVICE

(A) Definition

IDR (International Digital Route) is a two-way digital service that provides users with access to a transponder on individually assigned carriers of the following predefined data rates: 64 Kbps, 512 Kbps, 1.024 Mbps, 1.544 Mbps, 2.048 Mbps, 6.312 Mbps and 8.448 Mbps. The customer must specify the desired IDR data rate carrier. In order to establish a through communications link with the foreign earth stations, it is necessary for the customer to operate QPSK/FDMA from a standard A, B, C, E-3, F-3, E-2, F-2 or F-1 earth station, employ rate $\frac{3}{4}$ FEC, ensure that the foreign earth station is operating a matching data rate and otherwise adheres to the specifications set forth in the Intelsat Earth Station Specification Document IESS-308. Within the parameters specified, service quality meeting ISDN standards is guaranteed according to the following table with and without the use of Outer Codec technology:

	<u>Clear Sky</u>	<u>Under Degraded Sky Conditions</u>	
		<u>99.96% of year</u>	<u>99.36% of year</u>
No Outer Codec	BER $<10^{-7}$	<u>Availability</u>	<u>Availability</u>
Outer Codec	BER $<<10^{-10}$	BER $<10^{-3}$	BER $<10^{-6}$
		BER $<10^{-6}$	BER $<<10^{-10}$

$<<10^{-10}$ = A BER ratio substantially less than 10^{-10} , or virtually error-free. It should be noted that actual performance, historically, has exceeded the guarantees stated above.

(B) Terms and Conditions

Tariff rates will be assessed based on the assigned IDR data rate carrier.

(C) Rates

RATE/MONTH PER DUPLEX IDR CARRIER, ALL REGIONS

	<u>Term</u>	<u>64 Kbps</u>	<u>512 Kbps</u>	
Std. A & C	Monthly	\$747	\$5,977	(R)*
Std. B	Monthly	899	7,193	(R)*

The rate for an IDR digital data rate carrier of 1.024 Mbps is double the applicable rate for an IDR digital rate carrier of 512 Kbps.

(D) IDR Reservations

Customers wishing to maintain Intelsat IDR frequency assignments in unutilized capacity that is available for immediate activation must provide a start of service date and a foreign match by 25 June of each year. The start of service date must be 1 December or sooner. Frequency assignments that are not matched by 25 June will be forfeited.

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6. Digital Services (cont'd)

6.1 Digital Bearer Service (cont'd)

6.1.4 RATES FOR IDR SERVICE TO ALL REGIONS WITH A START-OF-LEASE
DATE PRIOR TO JANUARY 1, 1992

RATE PER MONTH PER DUPLEX IDR CARRIER

<u>Std. A & C</u>	<u>5-Year</u>	<u>10-Year</u>	<u>15-Year</u>
64 Kbps	\$478	\$343	\$341
512 Kbps	3,837	2,751	2,709
1.544 Mbps	11,049	7,941	7,488
2.048 Mbps	13,812	9,927	9,360
6.312 Mbps	39,257	28,080	26,831
8.448 Mbps	52,315	37,443	35,173

(R)*

(R)*

RATE PER MONTH PER 64 Kbps DUPLEX IDR CARRIER

	<u>5-Year</u>	<u>10-Year</u>	<u>15-Year</u>
Std B	\$730	\$449	\$449
Std E-3	649	465	486
Std F-3	909	520	610
Std F-2	1,045	659	659
Std E-2	919	659	649

(R)*

(R)*

RATE PER MONTH PER 512 Kbps DUPLEX IDR CARRIER

	<u>5-Year</u>	<u>10-Year</u>	<u>15-Year</u>
Std B	\$5,836	\$3,599	\$3,599
Std E-3	5,196	3,725	3,669
Std F-3	7,284	4,172	4,172
Std F-2	8,352	5,266	5,266
Std E-2	7,347	5,266	5,187

(R)*

(R)*

All R $\frac{3}{4}$ FEC IDR contract carriers activated prior to January 1, 1992, which are transmitted through Standard A antennas in the U.S. with a minimum G/T of 40.7 dB/K and received by Standard A antennas at the foreign end with a G/T of at least 39.0 dB/K, will be billed commencing May 1, 1992 at 90 percent of the applicable rates in Section 6.1.4 above for the carrier size utilized. This reduction in the rates may be discontinued if INTELSAT USA LICENSE LLC implements a rate reduction in Section 6.1.4 above to which the 90 percent reduction is being applied.

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6. Digital Services (cont'd)

6.1 Digital Bearer Service (cont'd)

6.1.5 RATES FOR IDR, AND WHERE APPLICABLE TDMA, GROWTH
CIRCUITS WITH A START-OF-LEASE DATE ON OR AFTER JANUARY
1, 1992, FOR EACH OF THE FOUR REGIONS DEFINED IN SECTION
6.1.B (8)

RATE PER MONTH PER DUPLEX IDR CARRIER - 1st 270
CIRCUITS TO A GIVEN REGION*

<u>Std. A & C</u>	<u>5-Year</u>	<u>7-Year</u>	<u>10-Year</u>	<u>15-Year</u>	
64 Kbps	\$498	\$320	\$257	\$237	(R) *
512 Kbps	3,997	2,559	2,056	1,888	
1.544 Mbps	11,510	7,374	7,393	5,215	
2.048 Mbps	14,388	9,212	4,739	6,519	
6.312 Mbps	40,870	26,183	20,986	18,374	
8.448 Mbps	54,495	33,819	27,978	24,499	(R) *

RATE PER MONTH PER DUPLEX IDR CARRIER - NEXT
360 CIRCUITS TO A GIVEN REGION*

<u>Std. A & C</u>	<u>5-Year</u>	<u>7-Year</u>	<u>10-Year</u>	<u>15-Year</u>	
64 Kbps	\$498	\$320	\$257	\$237	(R) *
512 Kbps	3,997	2,559	2,056	1,888	
1.544 Mbps	11,510	7,374	7,393	5,215	
2.048 Mbps	14,388	9,212	4,739	6,519	
6.312 Mbps	40,870	26,183	20,986	18,374	
8.448 Mbps	54,495	33,819	27,978	24,499	(R) *

RATE PER MONTH PER DUPLEX IDR CARRIER - NEXT
450 CIRCUITS TO A GIVEN REGION*

<u>Std. A & C</u>	<u>5-Year</u>	<u>7-Year</u>	<u>10-Year</u>	<u>15-Year</u>	
64 Kbps	\$498	\$320	\$257	\$237	(R) *
512 Kbps	3,997	2,559	2,056	1,888	
1.544 Mbps	11,510	7,374	7,393	5,215	
2.048 Mbps	14,388	9,212	4,739	6,519	
6.312 Mbps	40,870	26,183	20,986	18,374	
8.448 Mbps	54,495	33,819	27,978	24,499	(R) *

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6. Digital Services (cont'd)

6.1 Digital Bearer Service (cont'd)

6.1.5 RATES FOR IDR, AND WHERE APPLICABLE TDMA, GROWTH
CIRCUITS WITH A START-OF-LEASE DATE ON OR AFTER JANUARY
1, 1992 FOR EACH OF THE FOUR REGIONS DEFINED IN SECTION
6.1.B (8) (cont'd)

RATE PER MONTH PER DUPLEX IDR CARRIER -
ADDITIONAL CIRCUITS TO A GIVEN REGION*

<u>Std. A & C</u>	<u>5-Year</u>	<u>7-Year</u>	<u>10-Year</u>	<u>15-Year</u>	
64 Kbps	\$498	\$320	\$257	\$237	(R) *
512 Kbps	3,997	2,559	2,056	1,888	
1.544 Mbps	11,510	7,374	7,393	5,215	
2.048 Mbps	14,388	9,212	4,739	6,519	
6.312 Mbps	40,870	26,183	20,986	18,374	
8.448 Mbps	54,495	33,819	27,978	24,499	(R) *

* For purposes of calculating total use in each regional block, service taken under INTELSAT USA LICENSE LLC's PUBLICATION NO. 1 will also be counted in calculating the final rate.

The following earth station rate adjustment factors apply to the rates shown in Section 6.1.5:

<u>Earth Station Standard</u>	<u>Rate Adjustment Factor</u>
Std B	1.36
Std F-3	2.05
Std F-2	2.92
Std F-1**	3.83
Std E-3	1.68
Std E-2	4.94

**Due to operational constraints, available only in a limited number of cases. Applies only to Hemi and Zone beam capacity.

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6. Digital Services (cont'd)

6.2 Single Channel Per Carrier (SCPC) Data Service

(A) Definition

Single-channel-per-carrier (SCPC) is provided using specialized SCPC terminal equipment as defined in Intelsat Earth Station Standards (IESS) 303. Individual RF carriers are allocated to either a digitized voice channel or a data channel on a pre-assigned basis. SCPC carriers have an allocated bandwidth unit of 45 kHz and a nominal transmission rate of 64 kbps. The modulation for this service is QPSK/FDMA. The following applications are available:

- (1) Voice or voice band data at or below 4.8 kbps using conventional voice channel units.
- (2) Voice or voice band data above 4.8 kbps using (120, 112) FEC in the voice channel unit.
- (3) Digital data at 48 or 50 kbps information rate using rate $\frac{3}{4}$ convolutional coding.
- (4) Digital data at 56 kbps information rate using rate $\frac{1}{2}$ convolutional coding.

SCPC Digital Service is available for simplex or duplex operation.

(B) Terms and Conditions

- (1) The minimum service period for SCPC service, except for half channel service in Section 6.5.3 is one month (30 consecutive days).
- (2) When used for data transmission, the customer may multiplex lower data rates into a high speed (50 or 56 kbps) channel. High speed channels may be subdivided by the customer into individual channels of lesser speeds.
- (3) The customer's order must specify the data rate required.
- (4) Two or more customers may share the use of an SCPC channel in connection with the establishment of communications paths with an overseas communications entity when the customers are able to make arrangements with said entity for the establishment of communications paths between the United States and an overseas point. The charge for a shared channel will be the same as the charge

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6. Digital Services (cont'd)

6.2 Single Channel Per Carrier (SCPC) Data Service (cont'd)

(B) Terms and Conditions (cont'd)

applicable if the channel were not shared. Each customer sharing in the use of the channel must be identified in the application for service and shall be jointly and severally liable for payment of INTELSAT USA LICENSE LLC's total charge for the channel. One of the customers sharing the channel shall be designated in the application for service as billing agent for all of the customers and as billing agent shall be responsible for collection of the payments due from each customer. The customers named in the application shall be responsible for determining how the use of the channel shall be shared among themselves, and for providing all of the equipment required to enable such sharing. The customer designated in the application as billing agent shall also be responsible to INTELSAT USA LICENSE LLC for coordination in the sharing of the channel by the participating customers and shall be deemed to have been authorized in their behalf to receive notices from INTELSAT USA LICENSE LLC and to respond to any inquiries from INTELSAT USA LICENSE LLC.

(C) Rates

<u>Service Type</u>	<u>Monthly Rate</u>		
	<u>Standard A Standard C Access</u>	<u>Standard B Standard E-3 Access</u>	<u>Std F-3 Access</u>
Digital data (50, 56 Kbps)			
simplex	\$305	\$345	\$410
duplex	520	605	735

6.2.1 1.544 Mbps U.S. Government SCPC Service

(A) Definition

The following rates apply for each duplex 1.544 Mbps channel furnished by INTELSAT USA LICENSE LLC between an appropriate satellite and a special purpose Standard B earth terminal made available by the American Satellite Company (ASC) in connection with the provision by ASC of 1.544 Mbps high speed data channel service to the United States government between the points specified below

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6. Digital Services (cont'd)

6.2 Single Channel Per Carrier (SCPC) Data Service (cont'd)

6.2.1 1.544 Mbps U.S. Government SCPC Service (cont'd)

(B) Rates

Monthly Rate Per Channel

- | | |
|---|----------|
| (1) Hickam Air Force Base,
Hawaii, and Finegayan
Naval Base, Guam | \$14,540 |
| (2) Finegayan Naval Base, Guam,
and Hickam Air Force Base,
Hawaii | \$14,540 |

A customer may create from a 1.544 Mbps channel addition channels or additional capacity for use in the furnishing by said customer of communications services pursuant to such authorization as may be required by the Federal Communications Commission.

6.2.2 Half-Duplex High Speed Digital SCPC Service

(A) Definition

Scope of Service - Half-duplex high speed digital service consists of a half-duplex high speed digital data channel with the following characteristic:

The channel accommodates the alternate transmission and reception to or from an overseas point of digital data bursts utilizing quaternary phase shift keying (QPSK) at a transmission rate of 64 kbps.

(B) General Regulations

Interface Connection - The SIMP which is used as the interface connection between the satellite system and the terrestrial facilities on the United States Mainland consists of a BB&N C-30 minicomputer. The special interfaces in the SIMP are of the following two basic types. Type I is designed for connection to Series 303 modems on terrestrial lines and are compatible with WECC 303 modems at speeds up to 50,000 bps. Type II is designed for connection to a satellite channel at 50,000 bps and will furnish signals to accommodate receive data, receive clock, transmit data, transmit clock and burst transmission control.

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6. Digital Services (cont'd)

6.2 Single Channel Per Carrier (SCPC) Data Service (cont'd)

6.2.2 Half-Duplex High Speed Digital SCPC Service (cont'd)

(C) Terms and Conditions

(1) Use

The type or types of communications for which this service is to be used must be made known to INTELSAT USA LICENSE LLC prior to such use.

(2) Channel Derivation

The high speed data channel furnished may be subdivided.

(3) Minimum Service Period and Termination Charges

The minimum service period commences on the date service is first made available to the customer pursuant to the customer's order, and will continue for a period of five years (1826 consecutive days) thereafter. If service is terminated at the request of the customer prior to the end of the minimum service period, the customer shall be responsible for payment of a termination charge for Basic Service as specified in 6.2.2 (D) (1) following.

(4) Computation of Charges

Charges commence on the day service is first made available to the customer and continue through the day service is discontinued. They are computed on a calendar month basis except where fractional charges are applicable with respect to service connections or disconnections. The charge for service during a fractional part of a month is computed as a proportionate part of the monthly rate based on the actual number of days service is furnished. For the purpose of computing fractional charges every month is considered to have 30 days.

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6. Digital Services (cont'd)

6.2 Single Channel Per Carrier (SCPC) Data Service (cont'd)

6.2.2 Half-Duplex High Speed Digital SCPC Service (cont'd)

(D) Rates (cont'd)

(1) Basic Rate

Basic Space Segment service consists of the furnishing of a single 50,000 bps satellite channel 24 hours a day, 7 days per week subject to the availability of facilities at the following rates:

Per Month

Basic Space Service Rate	\$260.00
--------------------------	----------

(2) Allowance for Interruptions

INTELSAT USA LICENSE LLC will credit the customer for interruptions to service which are caused by the failure or malfunction of space segment facilities furnished by INTELSAT USA LICENSE LLC in the manner specified in 2.5.1 above.

(3) Allowance for Surrender

If INTELSAT USA LICENSE LLC requests the temporary surrender of service and the customer agrees to said temporary surrender, a credit will be allowed of an amount equal to the proportionate part of the monthly service charge in multiples of one minute for each minute or fraction thereof of surrender. The period for which credit allowance is determined will commence with the time the service is surrendered to INTELSAT USA LICENSE LLC and terminate with the time service is restored for use by the customer. For the purpose of computing such credit, every month is considered to have 30 days.

(4) Space Service Rates

Communications to more than one distant terminal will be furnished upon request at 10% of the Basic Space Segment Rate specified in 6.5.3.D (1) preceding for each additional communication point.

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6. Digital Services (cont'd)

6.3 IBS

6.3.1. Definition

IBS (International Business Service) is an international private line service. It consists of nonpreemptible, digital satellite carriers for transmission and/or reception at various data rates. The data rates available range from 64 Kbps to 16.384 Mbps, using R $\frac{3}{4}$ or R $\frac{1}{2}$ forward error correction (FEC) coding. IBS is subject to IESS Module 309 specifications. Full duplex service requires the lease of two equivalent carriers, one transmit and one receive. IBS may be end-to-end or combined with like service provided by a designated foreign communications entity to establish a through connecting link.

6.3.2 Terms and Conditions

(A) Reservations

Subject to availability of capacity, requests for service will become eligible for confirmation based on the date of scheduled start of service, with the earliest service dates receiving confirmation first. Confirmed reservations of service may require a deposit pursuant to Section 2.8.2 of this tariff. Requests for service cannot be confirmed more than 6 months in advance of scheduled service start date. All customers requesting service more than 6 months in advance of scheduled start date will be placed on a waiting list, in order of requested service start date. If capacity is available, customers will receive notice that they are on the waiting list and have a First Right of Refusal (FRR). If capacity is unavailable, customers will receive notice that they are on the waiting list but do not have an FRR. If a non-FRR holder tries to confirm an order by proposing an earlier start date than FRR holders, six months before the start date of the competing non-FRR request all FRR holders will be offered the option to exercise their FRR by matching the start date of the competing non-FRR request, thereby confirming their service reservations. The FRR holders will have 15 calendar days to make the required deposit thus confirming their service reservations. If FRR holders fail to so confirm their reservations, this may result in their service requirement not being satisfied.

(B) Lease terms

Service is available 24 hours per day, 7 days per week for lease terms as specified in the rate table below. New IBS circuits of 3-month or longer terms are considered contract circuits also referred to as long-term circuits.

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6. Digital Services (cont'd)

6.3 IBS (cont'd)

6.3.2 Terms and Conditions (cont'd)

(C) Billing

For newly activated circuits, the date of service activation, and hence the commencement of billing, shall be no later than the 2nd calendar day following the commencement of initial SSOG testing. Lease terms of three months or longer are subject to the early termination provision (6.3.8)(B)(8). Month-to-month service is subject to a one-month minimum and Section 2.4.2 (A). The ordering provisions of Section 6.1 (B)(4) apply to lengthening lease terms and of Section 6.1(B)(5) to standing orders. Unless the customer specifies the desired lease term, service will be billed at the monthly rate.

(D) Earth stations

IBS may be accessed with Standard A, B, C, F-3, F-2, F-1, E-3, E-2 or E-1 earth stations at R $\frac{3}{4}$ or R $\frac{1}{2}$ FEC.

(E) Space segment

Nonpreemptible, standard capacity on hemi and zone beams at C-band and spot beams at K-band, subject to availability. Intelsat, on occasion, may temporarily substitute global beam capacity for hemi/zone C-band capacity with no change in price; however, such substitution does not entitle the customer to global beam capacity at hemi/zone C-band rates on a continuing basis.

(F) Global commitment portability

Subject to capacity availability, a customer may request to change the foreign point of a New IBS carrier under lease to another point or other points served by INTELSAT USA LICENSE LLC without incurring early termination charges, as long as the total number of 64 Kbps equivalent circuits is not reduced. For example, a 512 Kbps carrier to destination A may be moved to destination B, or four of the 64 Kbps circuits in that carrier may be moved to destination B while the other four are moved to destination C. The following conditions apply:

- (1) Upon deactivation of a contract circuit the customer has 90 days to activate an equivalent replacement circuit. After 90 days, early termination charges will be imposed if an equivalent replacement circuit is not activated. This charge will apply to outstanding 64 Kbps equivalent balances which are not replaced by the end of the 90-day period. During the intervening (90-day maximum) period, the customer will continue to be billed the applicable long-term rate for the deactivated circuit until such time as the replacement circuit is activated, subject to paragraph (c) below. The start date and the lease term of the deactivated circuit do not change when it is physically replaced with another circuit.

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6. Digital Services (cont'd)

6.3 IBS (cont'd)

6.3.2 Terms and Conditions (cont'd)

(F) Global commitment portability (cont'd)

- (2) Pursuant to paragraph (1) above, if a long-term digital carrier is replaced by a larger carrier or several different carriers for which the price differs (on a 64 Kbps equivalent basis), the new price(s) will be charged from the date that the replacement carrier(s) is (are) activated (within the 90-day period). If a long-term (three months or longer) digital carrier is replaced by a higher speed carrier, a new lease term must be started. The price for the deactivated carrier being replaced will apply up to that date, subject to paragraph (c) below.
 - (3) If a long-term carrier is not replaced all at once, but by several smaller carriers at different points in time during said 90-day period, the price of the deactivated carrier will be reduced in proportion to the fraction of the carrier replaced, as measured in 64 Kbps circuit equivalents. At the same time, the price applicable to each replacement carrier will be added from its date of activation.
 - (4) The replacement circuit can be any of the following: (a) a newly activated contract circuit, (b) an existing month-to-month circuit for which the customer is paying the applicable monthly rate and which is converted to a contract circuit, or (c) a long-term circuit that has been on the system no more than 30 days. Contract circuits used as replacements may have lease terms of 1 month, 3 months, 1, 2, 3, 5, 7, or 10 years, and are subject to the provisions stated herein.
 - (5) All new circuits ordered as "long-term" will be billed for the lease term requested. The customer has 30 days after circuit activation to choose a different lease term, if it so desires. If the lease term is changed, a billing adjustment will be made to reflect the new lease term retroactive to the date of activation.
 - (6) Pursuant to paragraphs (a) and (d) above, a new long-term circuit can be designated as a replacement for another long-term circuit by the customer during the first 30 days of its term. Long-term circuits that are designated as replacements will be back billed, effective from the date of activation, the difference between the month-to-month rate and the applicable long-term rate.
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6. Digital Services (cont'd)

6.3 IBS (cont'd)

6.3.2 Terms and Conditions (cont'd)

(G) Early Termination

For 1-month, 3-month and 1-year lease terms, the full service charges apply. For longer lease terms, 30% of the remaining contract obligation at the time of termination applies plus the amounts following for the carrier sizes shown.

<u>Carrier</u>	<u>Duplex</u>	<u>Simplex</u>	<u>Carrier</u>	<u>Duplex</u>	<u>Simplex</u>
64 Kbps	\$2,060	\$1,030	8.448 Mbps	\$162,880	\$81,440
1.544 Mbps	30,540	15,270	10.240 Mbps	203,600	101,800
2.048 Mbps	40,720	20,360	16.384 Mbps	325,760	162,880
6.312 Mbps	122,160	61,080			

(H) Term Extensions and Transmission Speed Upgrades

Subject to availability of capacity, long-term New IBS circuits may be extended by written order of the customer at the applicable long-term monthly lease rate for a period of up to three months. A six month extension is allowed if the customer is the U.S. government or an agent of the U.S. government. In such case a signed request is required from a duly authorized contracting officer of the government. For lease extensions of less than thirty days, the applicable long-term monthly rate will be prorated on a daily basis. A circuit may be extended only once. The period of extended service becomes part of the 1st Revised lease term and is subject to early termination charges, as if the new, longer lease terms had been ordered at the outset.

When the transmission speed of a carrier is increased, a new lease term must be started, unless the 1st Revised commitment term is one year or less.

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6. Digital Services (cont'd)

6.3 IBS (cont'd)

6.3.3 Rates

Duplex rates (for two-way service) are listed below for 64 Kbps, 1.544 Mbps, 2.048 Mbps, 6.312 Mbps, 8.448 Mbps, 10.24 Mbps and 16.384 Mbps. Data rate carriers of less than 1.544 Mbps are priced as multiples of the 64 Kbps rates listed. Simplex rates (one-way service) are one-half the duplex prices.

(A) 3/4 FEC

<u>Antenna Type and Size</u>						
Commitment	-----C-Band Hemi/Zone-----				-----Ku-Band-----	
<u>Term</u>	<u>A & B</u>	<u>F-3</u>	<u>F-2</u>	<u>F-1</u>	<u>C & E-3</u>	<u>E-2</u>
64 Kbps						
Monthly	\$ 1,305	\$1,420	\$2,135	\$3,550	\$ 1,485	\$ 2,600
3-Months	795	930	1,245	2,160	995	1,670
1-Year	465	540	725	1,265	585	975
2-Year	460	535	715	1,250	570	950
3-Year	425	495	670	1,155	535	895
5-Year	395	460	615	1,075	495	825
7-Year	370	445	590	1,005	460	770
10-Year	350	400	545	950	435	730
1.544 Mbps						
Monthly	\$ 29,915	\$32,995	\$46,610	\$81,370	\$34,045	\$56,855
3-Months	17,495	20,380	27,255	47,600	21,875	36,530
1-Year	10,305	12,005	16,055	28,030	12,885	21,520
2-Year	9,930	11,570	15,470	27,010	12,415	20,735
3-Year	9,435	10,990	14,700	25,665	11,745	19,615
5-Year	8,515	9,920	13,265	23,160	10,640	17,770
7-Year	8,130	9,470	12,665	22,115	10,105	16,875
10-Year	7,420	8,645	11,560	20,180	9,275	15,490
2.048 Mbps						
Monthly	\$ 39,890	\$43,995	\$62,150		\$45,080	\$75,285
3-Months	23,330	27,180	36,350		29,170	48,715
1-Year	13,740	16,005	21,405		17,180	28,690
2-Year	13,245	15,425	20,625		16,555	27,645
3-Year	12,580	14,655	19,600		15,660	26,150
5-Year	11,350	13,225	17,685		14,185	23,690
7-Year	10,840	12,630	16,890		13,475	22,505
10-Year	9,895	11,530	15,415		12,365	20,650
6.312 Mbps						
Monthly	\$113,705	\$132,465	\$177,150		\$128,480	\$214,560
3-Months	68,210	79,465	106,270		83,130	138,825
1-Year	39,160	45,620	61,010		48,965	81,770
2-Year	37,750	43,975	58,810		47,180	78,790
3-Year	35,845	41,760	55,845		44,810	74,835
5-Year	32,340	37,675	50,385		40,425	67,510
7-Year	30,900	36,000	48,140		38,625	64,505
10-Year	28,195	32,845	43,930		35,245	58,860

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6. Digital Services (cont'd)

6.3 IBS (cont'd)

6.3.3 Rates (cont'd)

(A) 3/4 FEC (cont'd)

<u>Antenna Type and Size</u>					
Commitment	-----C-Band Hemi/Zone-----			-----Ku-Band-----	
<u>Term</u>	<u>A & B</u>	<u>F-3</u>	<u>F-2</u>	<u>C & E-3</u>	<u>E-2</u>
8.448 Mbps					
Monthly	\$148,405	\$172,890	\$231,215	\$ 167,705	\$ 280,065
3-Months	89,035	103,725	138,715	108,510	181,210
1-Year	51,130	59,565	79,660	63,915	106,740
2-Year	49,270	57,400	76,765	61,565	102,815
3-Year	46,790	54,510	72,900	58,490	97,680
5-Year	42,215	49,180	65,770	52,765	88,120
7-Year	40,330	46,985	62,835	50,415	84,195
10-Year	36,805	42,880	57,340	46,005	76,830
10.240 Mbps					
Monthly	\$181,525	\$211,475	\$282,815	\$205,120	\$342,550
3-Months	108,900	126,870	169,665	132,715	221,635
1-Year	62,540	72,860	97,435	78,175	130,550
2-Year	60,265	70,210	93,895	75,295	125,745
3-Year	57,230	66,675	89,165	71,535	119,465
5-Year	51,630	60,150	80,440	64,540	107,780
7-Year	49,330	57,470	76,855	61,660	102,970
10-Year	45,015	52,440	70,135	56,270	93,970
16.384 Mbps					
Monthly	\$280,860	\$327,200	\$437,580	\$317,375	\$530,015
3-Months	168,495	196,295	262,515	205,345	342,925
1-Year	96,765	112,730	150,760	120,955	201,995
2-Year	93,245	108,630	145,275	116,505	194,565
3-Year	88,550	103,160	137,960	110,685	184,845
5-Year	79,885	93,065	124,460	99,860	166,765
7-Year	76,325	88,920	118,915	95,405	159,325
10-Year	69,650	81,140	108,515	87,065	145,400

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6. Digital Services (cont'd)

6.3 IBS (cont'd)

6.3.3 Rates (cont'd)

(B) 1/2 FEC

<u>Antenna Type and Size</u>					
Commitment	--C-Band Hemi/Zone--		-----Ku-Band-----		
<u>Term</u>	<u>A,B,F-3 & F-2</u>	<u>F-1</u>	<u>C & E-3</u>	<u>E-2</u>	<u>E-1</u>
64 Kbps					
Monthly	\$ 2,075	\$2,410	\$2,590	\$ 2,955	\$ 4,560
3-Months	1,245	1,445	1,555	1,775	2,735
1-Year	760	880	950	1,085	1,670
2-Year	755	875	925	1,055	1,630
3-Year	735	855	870	990	1,530
5-Year	715	800	805	915	1,415
7-Year	685	745	750	855	1,320
10-Year	660	705	710	810	1,250
1.544 Mbps					
Monthly	\$ 47,395	\$54,980	\$59,245	\$67,540	
3-Months	28,435	32,985	35,545	40,520	
1-Year	16,755	19,435	20,945	23,875	
2-Year	16,140	18,720	20,175	23,000	
3-Year	15,335	17,790	19,095	21,770	
5-Year	13,835	16,050	17,295	19,715	
7-Year	13,210	15,325	16,415	18,715	
10-Year	12,060	13,990	15,075	17,185	
2.048 Mbps					
Monthly	\$ 63,190	\$73,300	\$78,990	\$90,050	
3-Months	37,915	43,980	47,395	54,030	
1-Year	22,340	25,915	27,925	31,835	
2-Year	21,520	24,965	26,900	30,665	
3-Year	20,445	23,715	25,460	29,025	
5-Year	18,445	21,395	23,055	26,285	
7-Year	17,615	20,435	21,890	24,955	
10-Year	16,080	18,655	20,100	22,915	
6.312 Mbps					
Monthly	\$180,140	\$208,960	\$225,140	\$256,660	
3-Months	108,085	125,380	135,085	153,995	
1-Year	63,685	73,875	79,605	90,750	
2-Year	61,335	71,150	76,670	87,405	
3-Year	58,265	67,585	72,830	83,025	
5-Year	52,565	60,975	65,710	74,910	
7-Year	50,200	58,230	62,745	71,530	
10-Year	45,830	53,165	57,290	65,310	

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6. Digital Services (cont'd)

6.3 IBS (cont'd)

6.3.3. Rates (cont'd)

(B) 1/2 FEC (cont'd)

Antenna Type and Size

Commitment	----C-Band Hemi/Zone--	-----Ku-Band-----		
<u>Term</u>	<u>A,B,F-3 & F-2</u>	<u>F-1</u>	<u>C & E-3</u>	<u>E-2</u>
8.448 Mbps				
Monthly	\$235,135	\$272,755	\$293,865	\$ 335,005
3-Months	141,080	163,655	176,320	201,005
1-Year	83,125	96,425	103,905	118,455
2-Year	80,060	92,870	100,075	114,085
3-Year	76,050	88,220	95,065	108,375
5-Year	68,615	79,595	85,770	97,780
7-Year	65,520	76,005	81,900	93,365
10-Year	59,820	69,390	74,780	85,250
10.240 Mbps				
Monthly	\$287,585	\$333,600	\$359,425	\$409,745
3-Months	172,550	200,160	215,655	245,845
1-Year	101,670	117,935	127,085	144,875
2-Year	97,920	113,585	122,400	139,535
3-Year	93,020	107,905	116,275	132,555
5-Year	83,925	97,355	104,905	119,590
7-Year	80,140	92,960	100,175	114,200
10-Year	73,170	84,875	91,460	104,265
16.384 Mbps				
Monthly	\$444,975	\$516,170	\$556,160	\$634,085
3-Months	266,985	309,705	333,700	380,450
1-Year	157,310	182,480	196,640	224,170
2-Year	151,510	175,750	189,390	215,905
3-Year	143,925	166,955	179,905	205,090
5-Year	129,850	150,625	162,315	185,040
7-Year	123,995	143,835	154,995	176,695
10-Year	113,210	131,325	141,515	161,325

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6. Digital Services (cont'd)

6.3 IBS (cont'd)

6.3.3 Rates (cont'd)

(C) Split Forward Error Correction

When duplex service is provided using different forward error correction (FEC) rates for the transmit and receive legs for purposes of optimizing space segment efficiency, the service will be billed at the duplex rate applicable to the receive link. For example, if the service is provided through a Standard A antenna and is transmitting at 1/2 FEC and receiving at 3/4 FEC, the service will be billed at the 3/4 FEC duplex rate for a Standard A antenna.

(D) Temporary Service

(1) Service on Consecutive Days

The charge for Temporary Service shall be the following percentage of the applicable monthly rate: for each of the first two days or fraction thereof of Temporary Service, ten percent of the monthly rate; for the next eight days or fraction thereof, five percent per day; for the next ten days or fraction thereof, four percent per day. The charge for Temporary Service furnished during a 30-day consecutive period shall not exceed the applicable full-time monthly base charge for the service. Temporary Service can only be obtained for a maximum of 90 consecutive days. After this time a Temporary Service circuit is converted to regular monthly service.

(2) Service on Non-Consecutive Days

Within a 30-day period the sum of the charges for non-continuous service will not exceed the charge for continuous service between the start and end dates encompassing all the individual service periods.

(E) Expiration of Long-Term Service

Circuits under long-term commitment that reach their expiration date but are not canceled, extended or renewed by the customer will be billed at the applicable monthly rate.

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6. Digital Services (cont'd)

6.4 VSAT Services

6.4.1 Definition

VSAT service consists of a non-preemptible one-way or two-way communications channel between one or more customer terminals and a satellite.

6.4.2 Terms and Conditions

The following terms and conditions apply:

- (1) VSAT service permits the use of a large hub earth station, e.g. Standard A, B, C, F-3 or E-3 in conjunction with a network of micro terminals meeting Standard G specifications and international standards applicable to the particular modulation and access technique used, pursuant to Sections 2.2.2 and 2.2.3 of this tariff. INTELSAT USA LICENSE LLC will provide information on all required technical specifications upon request.
 - (2) In addition to spread spectrum or BPSK modulation with FEC rate $\frac{1}{2}$, use of other modulation/coding/ multiple access techniques suitable for a VSAT network may be allowed in establishing a VSAT communications system, subject to approval of the lease transmission plan.
 - (3) VSAT leases may be obtained at C-band or Ku-band for bandwidths of 100 KHz, 1 MHz, 5 MHz, 9 MHz and 18 MHz or in integer multiples or combinations assigned contiguously.
 - (4) Reservation procedures for VSAT leases are specified in Sections 2.9.2 and 2.9.3. In addition, customers with approved first refusal reservations for 9 MHz or less, to be used for the establishment of VSAT networks, will be allowed to activate incrementally portions of said capacity, if available, prior to the 1st Revised scheduled commencement date of the full lease allotment. Such activations must be for the same lease term as that indicated in the reservation request. The FRR deposit will be applied toward the lease charges if the entire bandwidth allotment is activated by the scheduled start date. Failure to activate the entire bandwidth allotment by the scheduled start date will result in forfeiture of the FRR deposit. Prior to the start date, unactivated portions of the reserved capacity are subject to challenge, pursuant to Section 2.9.3.
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6. Digital Services (cont'd)

6.4 VSAT Services (cont'd)

6.4.2 Terms and Conditions (cont'd)

- (5) Cancellation provisions are stipulated as follows: Leases of a one-year term on fully station-kept capacity are subject to the full applicable service charges. Five year leases are subject to full payment for three years of service plus 75% of the balance owed. Ten-year leases are subject to the full payment for five years of service plus 75% of the balance owed. In the event of premature termination of service INTELSAT USA LICENSE LLC will take reasonable steps to find another customer to lease the prematurely vacated capacity. If another customer leases the capacity on a full-period basis, INTELSAT USA LICENSE LLC will return to the customer who terminated its service prematurely a pro rata refund of the early termination charge collected. The refund will equal the number of months (30 consecutive days) that are leased anew divided by the number of months remaining under the former customer's lease term at the time of its service termination multiplied by the termination charge collected by INTELSAT USA LICENSE LLC. For example, if a customer with a ten-year lease terminates after seven years, and INTELSAT USA LICENSE LLC finds a customer to utilize the capacity for the ninth and tenth years, then the 1st Revised customer will receive a refund equivalent to two-thirds of the termination charge paid. If at the date of cancellation the customer has arranged, with INTELSAT USA LICENSE LLC's knowledge and consent, for an alternative party to assume all financial commitments and other responsibilities of its specific lease, no termination charge will apply.
 - (6) Interruption allowances are computed in accordance with the provision of Section 2.5.
 - (7) On a quarterly basis, the location of additional receive earth stations in a customer's VSAT network must be reported to INTELSAT USA LICENSE LLC. When additional earth stations are located in countries not already accessed by a given VSAT lease, the leaseholder must notify INTELSAT USA LICENSE LLC at once.
 - (8) Power levels vary depending on the satellite accessed and coverage (beam). In particular, for service via the Ku-band satellite located at 338.5° E.L., the power level will depend on the type and number of adjacent carriers in the transponder. INTELSAT USA LICENSE LLC will determine operational bandwidth and frequency as part of the approval process for the transmission plan. At the time of reservation, INTELSAT USA LICENSE LLC will provide information on available transponders and power.
 - (9) VSAT service provided by INTELSAT USA LICENSE LLC must be combined with those provided by a foreign communications entity.
 - (10) VSAT service may be offered in a cross-strapped mode, at the applicable rate for the downlink beam, only in exceptional cases and where the service requirement cannot be met by either C- or Ku-band connectivity
-

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6. Digital Services (cont'd)

6.4 VSAT Services (cont'd)

6.4.3 Rates

The following rates apply for VSAT services:

(A) Non-Preemptible Service

Non-preemptible service is provided over global, hemispheric and zone beams at C-band and over spot beams at K-band. Service in the East-West or West-East direction is simplex. Full duplex service in these directions may be obtained by leasing two communications channels. Service in the West-West direction is either simplex or half-duplex.

Standard Power

Rate per Term per U.S. Half Channel

		<u>Term</u>	<u>0.1 MHz</u>	<u>1.0 MHz</u>	<u>5.0 MHz</u>	<u>9.0 MHz</u>	<u>18 MHz</u>
<u>C-Band, Hemi/Zone</u>							
1-Week	Wk		\$285	\$ 2,805	\$ 13,255	\$ 23,095	\$ 42,715
1-Month	Mo		940	9,350	44,180	76,985	142,390
3-Months	Mo		560	5,495	26,510	46,190	85,430
6-Months	Mo		535	4,700	22,140	38,330	75,355
1-Year	Mo		324	3,240	15,270	26,435	48,615
2-Years	Mo		320	3,155	14,690	25,425	47,160
3-Years	Mo		310	3,010	13,725	23,755	44,175
5-Years	Mo		300	2,825	12,460	21,560	40,540
7-Years	Mo		290	2,695	11,890	20,575	38,690
10-Years	Mo		265	2,460	10,835	18,750	35,250
<u>Ku-Band</u>							
1-Week	Wk		\$320	\$ 3,170	\$ 14,980	\$ 26,100	\$ 48,270
1-Month	Mo		1,060	10,565	49,925	86,995	160,900
3-Months	Mo		640	6,340	29,960	52,200	96,540
6-Months	Mo		535	5,330	24,815	42,960	80,430
1-Year	Mo		410	4,100	19,090	33,045	61,870
2-Years	Mo		395	3,955	18,360	31,785	59,550
3-Years	Mo		370	3,715	17,155	29,695	55,710
5-Years	Mo		340	3,400	15,575	26,955	50,670
7-Years	Mo		325	3,260	14,865	25,725	48,360
10-Years	Mo		300	3,000	13,540	23,440	44,065
<u>Global Beam</u>							
1-Week	Wk		\$465	\$ 4,630	\$ 21,870	\$ 38,105	\$ 70,480
1-Month	Mo		1,550	15,430	72,895	127,025	234,945
3-Months	Mo		925	9,250	43,740	76,215	140,960
6-Months	Mo		825	8,265	36,540	63,250	118,900
1-Year	Mo		570	5,700	25,200	43,620	82,000
2-Years	Mo		550	5,485	24,240	41,955	78,870
3-Years	Mo		515	5,130	22,650	39,195	73,690
5-Years	Mo		470	4,660	20,560	35,575	66,890
7-Years	Mo		450	4,450	19,620	33,955	63,835
10-Years	Mo		415	4,060	17,880	30,940	58,165

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6. Digital Services (cont'd)

6.4 VSAT Services (cont'd)

6.4.3 Rates (Cont'd)

(A) Non-Preemptible Service (cont'd)

Certain transponders on the Intelsat satellites provide higher power levels as defined in section 2.10. The following rates apply for High Power VSAT services:

High Power

Rate per Term per U.S. Half Channel

	<u>Term</u>	<u>0.1 MHz</u>	<u>1.0 MHz</u>	<u>5.0 MHz</u>	<u>9.0 MHz</u>	<u>18 MHz</u>
<u>C-Band, Hemi/Zone</u>						
1-Week	Wk	\$395	\$ 3,925	\$ 18,555	\$ 32,335	\$ 59,800
1-Month	Mo	1,315	13,090	61,850	107,780	199,345
3-Months	Mo	790	7,855	37,115	64,665	119,600
6-Months	Mo	785	7,045	31,445	54,435	100,100
1-Year	Mo	495	4,860	21,685	37,540	69,035
2-Years	Mo	480	4,685	20,860	36,105	66,660
3-Years	Mo	460	4,395	19,490	33,730	62,725
5-Years	Mo	430	4,010	17,695	30,615	57,565
7-Years	Mo	410	3,830	16,885	29,220	54,935
10-Years	Mo	375	3,495	15,385	26,625	50,055

Ku-Band

1-Week	Wk	\$400	\$ 3,965	\$ 18,725	\$ 32,625	\$ 60,340
1-Month	Mo	1,325	13,205	62,405	108,745	201,125
3-Months	Mo	800	7,925	37,450	65,250	120,675
6-Months	Mo	665	6,630	31,025	53,695	100,540
1-Year	Mo	510	5,100	23,865	41,305	77,340
2-Years	Mo	490	4,925	22,955	39,730	74,440
3-Years	Mo	465	4,635	21,450	37,120	69,640
5-Years	Mo	425	4,250	19,470	33,695	63,340
7-Years	Mo	410	4,075	18,580	32,155	60,450
10-Years	Mo	375	3,750	16,925	29,300	55,080

Global Beam

1-Week	Wk	\$695	\$ 6,945	\$ 32,805	\$ 57,160	\$ 105,720
1-Month	Mo	2,325	23,145	109,345	190,540	352,420
3-Months	Mo	1,390	13,885	65,610	114,325	211,440
6-Months	Mo	1,245	12,400	54,810	94,875	178,350
1-Year	Mo	860	8,550	37,800	65,430	123,000
2-Years	Mo	830	8,225	36,360	62,935	118,310
3-Years	Mo	780	7,690	33,970	58,795	110,535
5-Years	Mo	710	6,990	30,840	53,365	100,335
7-Years	Mo	680	6,675	29,435	50,930	95,755
10-Years	Mo	625	6,090	26,820	46,410	87,250

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6. Digital Services (cont'd)

6.4 VSAT Services (cont'd)

6.4.3 Rates (Cont'd)

Unlisted Lease Sizes

For VSAT lease sizes other than those listed in the rate tables in section 6.4.3 the charge will be calculated on a proportional basis using the rate listed for the next lower lease size. This rate will not exceed the charge for the next higher lease size. For example, the rate for an 8 MHz lease would be 1.6 times the rate for a 5 MHz lease, but could not exceed the rate for a 9 MHz lease.

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7. Temporary Services

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8. New Services

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8. New Services

8.1 Satellite News Gathering (SNG)

8.1.1 Definition

Satellite News Gathering (SNG) is the transmission of television for broadcast purposes on a preemptible basis using transportable earth stations whose features should, at a minimum, conform to Standard G specifications (IESS module 601). Said earth stations must be capable of uplinking a simplex analog video carrier and associated FM audio subcarrier(s) and of providing auxiliary coordination channels. The customer can order as a package video, sound and private line communications services to facilitate SNG.

8.1.2 Terms and Conditions

- (A) Capacity for SNG may be available at C-band and Ku-band; or in a cross-strapped mode, Ku/C-band, with frequencies of 14 GHz and 4 GHz, respectively, via steerable beams where possible.
- (B) The video service component consists of a preemptible, simplex video channel which may be booked on a short-term, full-time basis subject to a one-week minimum. (Transmission plan parameters should meet those defined in IESS module 410 and SSOG 600.) (C) (C)
- (C) Coordination service may be established by leasing bandwidth, in 100 KHz increments, on a preemptible weekly basis. (C) (C)
- (D) For short-term full-time service, the provisions of section 4.14.1 apply. (C) (C)

8.1.3 Rates

Rates for short-term video service component shall be as specified in sections 4.3.3 (B) and 4.14.2, respectively. Rates for leased bandwidth coordination service shall be as follows: (C)

Leased BW (Downlink Beam)	US Half-Channel		
	1-Week/100 KHz	Inclined-Orbit	Half-Hour/100 KHz
Station-Kept			
Zone	\$210	\$110	\$1.90
Hemi	210	110	1.90
Spot	320	170	2.90
Global	355	190	3.20

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8. New Services (cont'd)

8.1 Satellite News Gathering (SNG) (cont'd)

8.1.5 Example

Assume the customer requests a U.S. inbound 36 MHz spot-to-hemi
beam video channel and 600 KHz of leased bandwidth for
coordination channels (400 KHz outbound and 200 KHz inbound)
for 30 minutes.

(C)
(C)

The customer's total half hourly charge for the U.S. space segment
would be:

<u>36 MHz/Spot-to-Hemi/Occ.-Video/30 min.</u>	
@ \$13.90/min. (Sec. 4.3.3)	\$417.00
<u>600 KHz for Coordination Channels (see 8.1.3 above)</u>	
400 KHz/hemi-to-spot @ \$2.90/100 KHz/30 min. =	\$11.60
200 KHz/spot-to-hemi @ \$1.90/100 KHz/30 min. =	<u>\$3.80</u>
Total Charge	<u>\$432.40</u>

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8. New Services (cont'd)

8.3 Short-Term Through Service

INTELSAT USA LICENSE LLC will provide upon request, and on a short-term basis for up to ninety days, both the U.S. and foreign space segment halves of IBS (section 6.3), IDR/TDMA (section 6.1), or short-term video (section 4.3) lease service, subject to both the relevant foreign entity and Intelsat agreeing to the provision of Short-Term Through Service by INTELSAT USA LICENSE LLC. In addition, subject to agreement by the relevant foreign entity and Intelsat, a one-time extension of up to ninety days may be granted if service is required beyond the initial 90-day period.

The charge for the U.S. half of the space segment will be in accordance with tariffed rates in the sections referenced above. The charge for the foreign half of the space segment will also be in accordance with tariffed rates in the sections referenced above. If a non-standard earth station is used for IBS or IDR, the non-standard rate adjustment factor of ten will be applied to the tariffed Standard A or C earth station rate. (See also section 2.10 for definitions of the various earth station standards).

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9. Service Points

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9. Service Points (cont'd)

9.2 Thin Route Market Countries

<u>Latin America</u>	<u>Pacific</u>
Bolivia	American Samoa
Nicaragua	French Polynesia
Paraguay	Micronesia
Suriname	Midway Atoll
Turks & Caicos Is.	Nauru
	New Caledonia
<u>Europe</u>	No. Mariana Is.
Armenia	Palau
Azerbaijan	Tonga
Bosnia & Herzegovina	Western Samoa
Estonia	
Lithuania	
Maritime Atlantic	
Moldavia	
<u>Africa</u>	
Algeria	
Angola	
Benin	
Botswana	
Burkina Faso	
Cameroon	
Cape Verde	
Central African Rep.	
Chad	
Congo	
Congo Dem. Rep.	
Cote d'Ivoire	
Ethiopia	
Gabon	
Ghana	
Guinea	
Iraq	
Kenya	
Lesotho	
Libya	
Malawi	
Mali	
Mauritania	
Mauritius	
Mozambique	
Namibia	
Niger	
Rwanda	
St. Helena & Ascension	
Senegal	
Sierra Leone	
Somalia	
Sudan	
Swaziland	
Tanzania	
Togo	
Uganda	
Zambia	
<u>Mid East/Asia</u>	
Iran	
Jordan	
Syria	