

TO: G. BROERMAN

**INTELSAT**

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Date Sent: 01 December 1999

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Number of page(s) including this: 2

To: **NAME:** Brian Murray
COMPANY: COMSAT
FAX No.: 301 214 7199
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Your ref: Transmission Plan submitted by B. Murray of COMSAT on 30 November 1999.

From: **NAME:** Vaclav Zvonar
DEPARTMENT: Transmission Analysis

OUR REF: SS-99/1210/L-6884/TA

SUBJECT: TRANSMISSION PLAN APPROVAL FOR USA #0272

In relocating your services from Xpder 22/22 to 25/25, your transmission plan has been reviewed by INTELSAT and meets the requirements of the IESS-410 "Leased Transponder Definitions" and is in compliance with the IESS-601 "Standard G Performance Characteristics". Therefore, the transmission plan is approved with the following parameters and the start of service is subject to completion of any action items identified below:

SVO-L 6884
Satellite: 701/180° E.
Txpd: 25/25 (EH/EH)
Leased Bandwidth 15.1 MHz
Transponder Saturation Flux Density: -80 dBW/m².

Assignment block for this 15.1 MHz: (This block is been relocated to achieve contiguity)

Start Tx/Rx Frequency: 6282.90 / 4057.90 MHz
End Tx/Rx Frequency: 6298.00 / 4073.00 MHz

The following carrier frequency assignments for this service are suggested:

Tx E/S	Rx E/S	Carrier type [I.R./Q/H/FEC] (kbps)	Tx Freq. (MHz)	Rx Freq. (MHz)	Calculated D/L e.i.r.p. (dBW)	Status
USA856F1	BRW-03B	5056, 75.6, 1/2, QPSK	6286.4800	4061.4800	17.3	Modified
BRW-03B	USA856F1	3200, 75.6, 1/2, QPSK	6292.3750	4067.3750	19.9	Modified
USA857F1	BRW-03B	1024, 64, 1/2, RS, QPSK	6295.5025	4070.5025	10.2	Modified
BRW-03B	USA857F1	1024, 64, 1/2, RS, QPSK	6297.1675	4072.1675	14.7	Modified

Please note that SFD and Down Link e.i.r.p given in this approval are reference to Beam Edge.

The leased resources at beam edge for the proposed services are:

Resources	Available	Used
Allocated Bandwidth [MHz]	15.1	15.1
Downlink e.i.r.p. [dBW]	24.2	22.8

Our review of the transmission plan indicates that the bandwidth lease resource is fully utilized. Consequently any addition or expansion of carriers will require an increase in your lease resources.

ACTION: Prior to conducting tests and/or activating any carrier through the satellite, please coordinate with the TOCC, Fax 202-364-4030. The TOCC will issue the necessary SSOG test schedule.

Please coordinate the following action items with INTELSAT Customer Service Representative Tel. 202-944-6871 Fax 202-944-8125 prior to service implementation:

ACTION: Please, submit a formal request for lease expansion from 14.0 MHz to 15.1 MHz.

In the event you decide to add new earth stations, expand your service, change carrier sizes or their frequencies, or otherwise modify this plan, it is requested that you send a revised transmission plan. Please note that in approving your transmission plan, INTELSAT determines whether your service will either generate or receive harmful interference. If you modify your service without sending a transmission plan, INTELSAT cannot ensure the satisfactory operation of your lease.

When sending a revised transmission plan, please use preferable either LST software or SSOG-600 form and include both the existing and new carriers inside the complete lease block, which will allow faster processing of your transmission plan.

Best regards.

Vaclav Zvonar
Transmission Analysis