

UPLINK PROCEDURE*

Before your transmission - what do you need to know?

- Your transmission reference (also called “synopsis number”, eg. 19-123456)
- Your transmission timings (in UTC) and the transmission parameters confirmed for your booking:
 - › Satellite and transponder
 - › Channel name
 - › Uplink and downlink frequency
 - › FEC
 - › Symbol rate, pilot insertion
 - › TS value
 - › Encoding standard, aspect ratio
 - › Encryption key

CONTACT NUMBERS

EVC Geneva:	+41 22 717 27 90
Eutelsat:	+33 1 45 57 06 66
Asiasat:	+852 2600 9294 / 9295
SES:	+31 70 306 41 42
Intelsat:	+1 404 381 2600
ABS:	+63 47 252 9012
APSTAR:	+852 2600 2224

STEP-BY-STEP LINE-UP PROCEDURE:

- Using satellite beacon frequency, point your antenna to the satellite.
- Set your spectrum analyzer to the downlink frequency in order to monitor the carrier.
- Set the transmitter to standby mode at maximum attenuation.
- Set your equipment (main and backup transmission chains):
 - › enter parameters into the encoder and connect source of the signal to its input,
 - › clearly identify your main and backup uplink chains by service name (eg. SNG CODE_1 & SNG CODE_2),
 - › connect the encoder TS output to the modulator,
 - › prepare your modulator for given TS and symbol rate/FEC.
- 20 minutes before the transmission call EVC Geneva (please have your transmission reference ready) to verify the transmission parameters.
- The EVC Geneva will confirm whether you can access the satellite channel.
- 15 minutes before the transmission call the satellite provider (see contact phone numbers above) and follow the line-up procedure. You will be asked to provide:
 - › earth station registration code,
 - › satellite, transponder, frequency slot allocation, and uplink polarization.
- Be ready to follow satellite operator’s instructions:
 - › transmit signals at different power levels (both unmodulated and modulated),
 - › peak the transmit antenna, and rotate/adjust the transmission antenna polarizer.
- When the line-up is completed call back EVC Geneva and test your transmission settings including encryption of both main and backup chains and do your transmission.
- Make sure that the EVC Operator has your phone number for further use.

DURING THE TRANSMISSION:

- Never leave your station. Make sure that you are always reachable by phone.
- Permanently monitor your downlink (audio/video) and spectrum analyzer.
- Do not forget to inform EVC about any changes of schedule, extension etc.
- SNG must respect the power levels given during the line-up procedure.

AFTER THE TRANSMISSION:

- Check with the production on site and make sure that program is finished.
- Call EVC to “goodnight” your transmission and reconfirm the end timing (in UTC).
- Make sure that your carrier is de-activated and the transmit chain is switched off.

* Extract from the ITU-R.SNG-1710 Universal Access Procedures.