



Recommendation ITU-R SNG.770-2
(01/2012)

**Uniform operational procedures for digital
satellite news gathering (DSNG)**

SNG Series
Satellite news gathering



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Foreword

The role of the Radiocommunication Sector is to ensure the rational, equitable, efficient and economical use of the radio-frequency spectrum by all radiocommunication services, including satellite services, and carry out studies without limit of frequency range on the basis of which Recommendations are adopted.

The regulatory and policy functions of the Radiocommunication Sector are performed by World and Regional Radiocommunication Conferences and Radiocommunication Assemblies supported by Study Groups.

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ITU-R policy on IPR is described in the Common Patent Policy for ITU-T/ITU-R/ISO/IEC referenced in Annex 1 of Resolution ITU-R 1. Forms to be used for the submission of patent statements and licensing declarations by patent holders are available from <http://www.itu.int/ITU-R/go/patents/en> where the Guidelines for Implementation of the Common Patent Policy for ITU-T/ITU-R/ISO/IEC and the ITU-R patent information database can also be found.

Series of ITU-R Recommendations

(Also available online at <http://www.itu.int/publ/R-REC/en>)

Series	Title
BO	Satellite delivery
BR	Recording for production, archival and play-out; film for television
BS	Broadcasting service (sound)
BT	Broadcasting service (television)
F	Fixed service
M	Mobile, radiodetermination, amateur and related satellite services
P	Radiowave propagation
RA	Radio astronomy
RS	Remote sensing systems
S	Fixed-satellite service
SA	Space applications and meteorology
SF	Frequency sharing and coordination between fixed-satellite and fixed service systems
SM	Spectrum management
SNG	Satellite news gathering
TF	Time signals and frequency standards emissions
V	Vocabulary and related subjects

Note: This ITU-R Recommendation was approved in English under the procedure detailed in Resolution ITU-R 1.

Electronic Publication
Geneva, 2011

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RECOMMENDATION ITU-R SNG.770-2

**Uniform operational procedures for digital
satellite news gathering (DSNG)**

(1992-1994-2012)

Scope

This Recommendation specifies characteristics and operating procedures for satellite news gathering transmissions using digital encoding and modulation techniques. Annex 1 provides operating characteristics and procedures with a view toward the prevention of interference among satellite transmissions.

The ITU Radiocommunication Assembly,

considering

- a) that satellite news gathering (DSNG) using portable transmitting earth stations is essential for broadcast operations and provides a valuable method of transmission for the rapid acquisition and broadcasting of news events;
- b) that to facilitate the international coverage of news and to optimize the design of equipment, it has been desirable to adopt uniform operational procedures for SNG taking into account the possibility for interference to other satellites and systems;
- c) that SNG is temporary and occasional and its activation often cannot be determined long in advance;
- d) that the ITU Convention states in its Preamble “fully recognizing the sovereign right of each state to regulate its telecommunications”;
- e) that for the successful operation of SNG, it is essential that there be expeditious authorization for the activation of SNG earth stations, for transmissions to a telecommunication satellite, in conformance with the administrative procedure of the host country; and operational criteria for these systems;
- f) that SNG would be facilitated through the availability of an SNG user’s guide from satellite operators (space segment providers) and host countries;
- g) that additional communication facilities, such as point-to-point microwave, telephone communications systems, two-way simplex/duplex radio wireless microphones and mobile satellite terminals for voice and data may be required in support of SNG operators;
- h) that some regional or national organizations have already worked out standards which should be satisfied by the SNG transmitting earth stations;
- j) that SNG systems, applications and international interchange now employ digital encoding and modulation techniques,

noting

- a) that ITU-R has established Recommendation ITU-R BO.1516 *Digital multiprogramme television systems for use by satellites operating in the 11/12 GHz frequency range*;
- b) that ITU-R has established Recommendation ITU-R BO.1784 *Digital satellite broadcasting system with flexible configuration (television, sound and data)* which is also referred to as DVB-S2,