

17 August 2013

Mr Thomas Weber
European Communications Office
Peblingehus
Nansensgade 19
DK-1366 Copenhagen K
DENMARK


Dear Mr Weber,

AMENDMENT OF NOTIFICATION BY ROW 44
UNDER ECC DECISION (05) 11 ON THE FREE CIRCULATION AND USE OF
AIRCRAFT EARTH STATIONS (AES) IN THE FREQUENCY BANDS 14.0-14.5 GHZ
(EARTH TO SPACE), 10.7-11.7 GHZ (SPACE TO EARTH) AND 12.5-12.75 GHZ
(SPACE TO EARTH)

Row 44 hereby submits to the ECO this amended notification of Aircraft Earth Stations under ECC/DEC/(05) 11. This amendment updates Row 44's previous notification, to reflect changes in the satellites and the transponders used, by adding additional capacity on SES-6. The system and AES data required by Annex B of ECC/DEC/(05) 11 are attached to this letter. The Row 44 system will comply with the requirements of that decision.

Please do not hesitate to contact me if you require any further clarification. We would appreciate confirmation of receipt of our notification.

Yours sincerely,

DocuSigned by:

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Mike Pigott
Vice President Legal Affairs and General Counsel
Row 44, Inc.

INFORMATION REQUIRED BY ANNEX B OF ECC/DEC/(05) 11 FOR ROW 44 AMSS SYSTEM

Network Operator's designated point of contact

Title of contact: Chris Brown

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Telephone and fax numbers: phone +1.630.620.0472 • fax +1.630.268.1308

email address: cbrown@row44.com

Network Control Facility (NCF) designated point of contact

Title of contact: Michael Dromnitzki, Vice President Network Operations

Postal address:

Hughes Network Systems GmbH

Ottostraße 9

64347 Griesheim, Germany

Telephone and fax numbers: phone +0049 6155 844 144 • fax +49 (0)6155 844-280

email address: M.Dromnitzki@Hugheseurope.com

Technical Specifications of AES Equipment Used in the Network

Antenna type: KuStream 1000, Horn Array

Antenna size: 62.5 cm x 15.7 cm

Transmit peak gain: 28.8 dBi

Max e.i.r.p. per carrier: 42.8dbW

Transmit frequency bands: 14.0 – 14.25 GHz

Min. operating elevation: 0 degrees

Antenna pointing accuracy: <0.2 degrees peak

Waveform characteristics

Number(s) of carriers per AES: 1

Occupied bandwidth(s) per carrier (as defined in EN 302 186): 1.5 MHz

Carrier centre frequency(-ies): 14010,515 MHz and 14011,845 MHz (2 carriers)

Modulation: QPSK

Multiple access scheme: TDMA

ITU BR Filing Information

1. Satellite notified: SES-6

ITU BR filing satellite network name: NSS-18, NSS-35, NSS-57

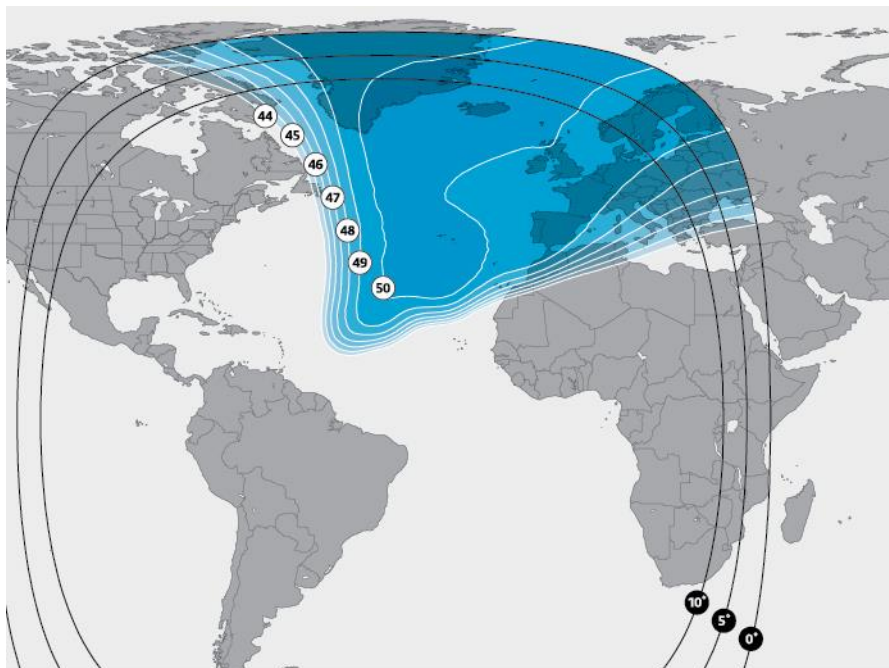
ITU BR special section reference: CR/C 526 **date of publication:** 26.11.2002

Satellite operator(s) (commercial) name: SES-6

GSO longitude: (East or West from Greenwich) 40.5 degrees East

Satellite service area:

Figure 1: Ku Band North Atlantic Coverage area for SES-6



Forward Channel details (Satellite to AES)

Transponder(s) downlink centre frequency: 11039.00 MHz

Transponder(s) downlink bandwidth: 15.3 MHz

Return Channel details (AES to satellite)

Transponder(s) uplink centre frequency: 11241.00 MHz and 11217.00 MHz
(2 channels)

Transponder(s) uplink bandwidth: 2 x 3 MHz

The most current list of the airlines which will use the Row 44 network system is listed on the Row 44 website: <http://www.Row44.com>. As of the date of this filing, Row 44 provides service to Norwegian Air Shuttle, TransAero (TSO) and UTAir.