



September 24, 2012

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 Eutelsat E10A. 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,

A handwritten signature in black ink, appearing to read "Mike Pigott", written in a cursive style.

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

Row 44, Inc.
4353 Park Terrace Drive, Suite 100, Westlake Village, CA 91361
818-706-3111

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

Postal address: 820 Springer Drive, Lombard, IL, USA 60148-6413

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

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Multiple access scheme: TDMA

ITU BR Filing Information

1. Previous satellite notified:

ITU BR filing satellite network name: EUTELSAT 3-7E

ITU BR circular reference number: 94540022 date of publication: 22.04.2003

Satellite operator(s) (commercial) name: Eutelsat W3A

GSO longitude: (East or West from Greenwich) 7 degrees East

Satellite service area:

Figure 1: Eutelsat W3A Coverage



Forward Channel details (Satellite to AES)

Transponder(s) downlink centre frequency: 11241,5 MHz

Transponder(s) downlink bandwidth: 36 MHz

Return Channel details (AES to satellite)

Transponder(s) uplink centre frequency: 14010,515 MHz and 14011,845 MHz

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(2 channels)

Transponder(s) uplink bandwidth: 2 x 1.5 MHz

2. New Satellite Notification:

ITU BR filing satellite network name: EUTELSAT 2-10E

ITU BR circular reference number: Published in Part 2S of Circular [2553](#)

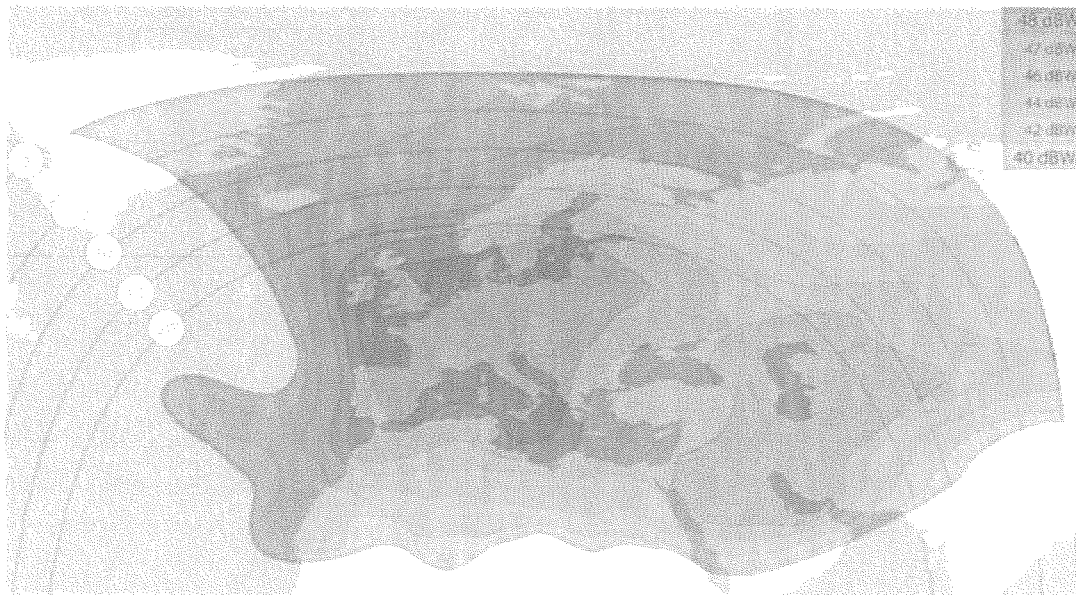
date of publication: 22 March 2005

Satellite operator(s) (commercial) name: Eutelsat E10A

GSO longitude: 10 degrees East

Satellite service area:

EUTELSAT 10A (ex. W2A): 10° EAST: Downlink Coverages



Forward Channel details (Satellite to AES)

Transponder(s) downlink centre frequency: 11241.5 MHz

Transponder(s) downlink bandwidth: 36 MHz

Return Channel details (AES to satellite)

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Transponder(s) uplink centre frequency: 14010.515 MHz and 14011.845 MHz
(2 channels)

Transponder(s) uplink bandwidth: 2 x 1.5 MHz

The name of the airlines which will be using the Row 44 network system will be listed on the Row 44 website: <http://www.Row44.com>. As of the date of this filing, Row 44 will be providing service to Norwegian Air Shuttle.

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