



Mr. Alexander Gulyaev  
European Communications Office  
Peblingehus  
Nansensgade 19  
DK-1366 Copenhagen K  
Denmark

May 11, 2010

Re: Notification 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)

Dear Mr. Gulyaev:

Row 44 hereby submits to the ECO its notification of Aircraft Earth Stations under ECC/DEC/(05)11. The Row 44 Aeronautical Mobile Satellite Service system will comply with the requirements listed in ECC/DEC(05)11.

The system and AES data required by Annex B of ECC/DEC(05)11 are attached to this letter.

Best regards,

A handwritten signature in black ink that reads "Gregg N. Fialcowitz". The signature is fluid and cursive, with a long, sweeping tail on the letter "z".

Gregg Fialcowitz  
President  
Row 44, Inc.

**Attachment:** Information required by Annex B of ECC/DEC(05)11 for Row 44 AMSS system and associated AESs.

## Information required by Annex B of ECC/DEC(05)11 for Row 44 AMSS system and associated AESs

---

### **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](mailto: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](mailto: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): 1.25 MHz

**Carrier centre frequency(-ies):** 14208.33 MHz

**Modulation:** QPSK

**Multiple access scheme:** TDMA

### **ITU BR Filing Information**

**ITU BR filing satellite network name:** EUTELSAT 3-10E

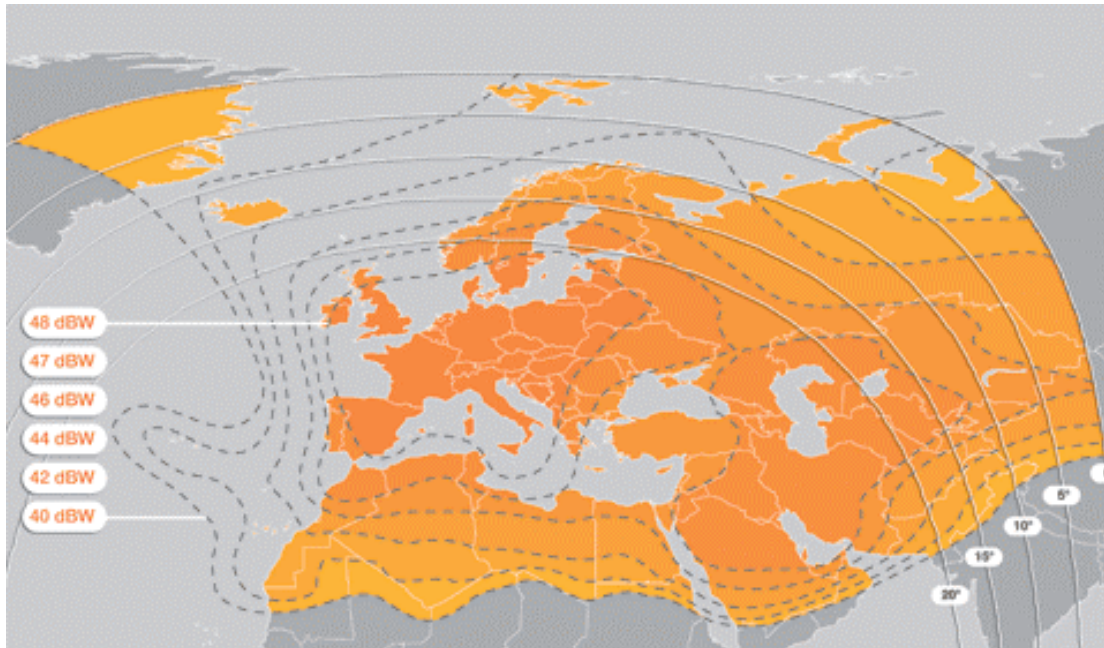
**ITU BR circular reference number:** 95520019 **date of publication:** 24.08.2004

**Satellite operator(s) (commercial) name:** Eutelsat W2A

**GSO longitude:** (East or West from Greenwich) 10 degrees East

**Satellite service area:**

**Figure 1: Eutelsat W2A Widebeam Coverage**



### **Forward Channel details (Satellite to AES)**

**Transponder(s) downlink centre frequency:** 11595.91 MHz

**Transponder(s) downlink bandwidth:** 1.25 MHz

### **Return Channel details (AES to satellite)**

**Transponder(s) uplink centre frequency:** 14208.33 MHz

**Transponder(s) uplink bandwidth:** 1.25 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>