



GLOBAL EAGLE ENTERTAINMENT

4553 GLENCOE AVENUE, SUITE 300

MARINA DEL REY, CA 90292

18 December 2014

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

Dear Mr Weber,

AMENDMENT OF NOTIFICATION BY ROW 44 (Global Eagle Entertainment)
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)

In 2013, Row 44, Inc. ("Row 44") was purchased by Global Eagle Entertainment Inc. ("Global Eagle") and is now one of Global Eagle's operating subsidiaries. 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 Astra 4A. 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,

Mike Pigott
Vice President Legal Affairs
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: Mark Rugg

Postal address: 1050 Oak Creek Drive, Lombard, IL 60148

Telephone and fax numbers: phone +1.630.620.0472 • fax +1.331`.462.1789

email address: mrugg@globaleagleent.com

Network Control Facility (NCF) designated point of contact

SES

Designated POC: Tyrone Bryson

Email address:

Postal address:

Telephone and fax numbers: phone (US) +1 703 367-7327, (Lux) +(352) 710725 9640

email address: tyrone.bryson@ses.com

Château de Betzdorf • L-6815 Betzdorf • Luxembourg

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: Astra 4A

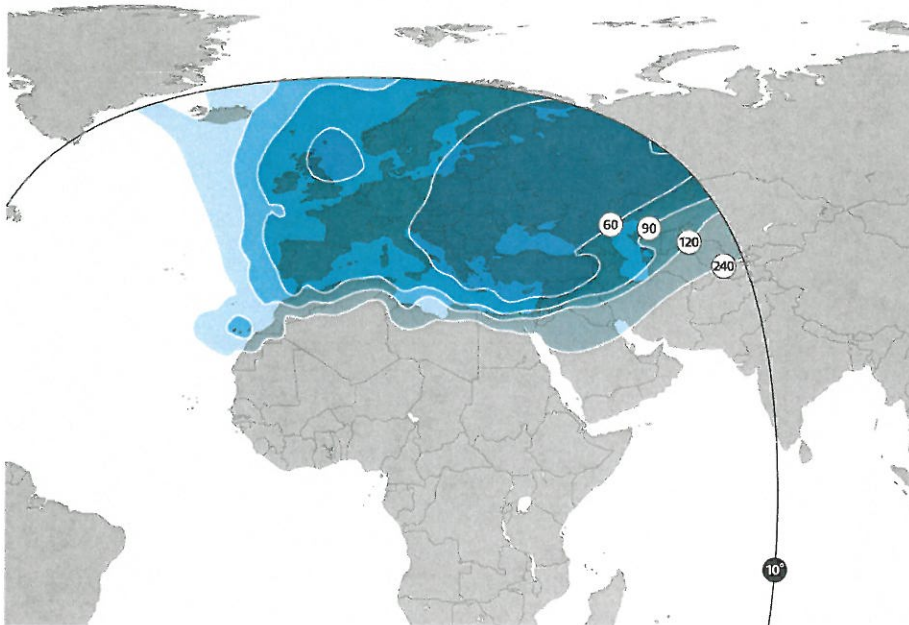
ITU BR filing satellite network name: ASTRA 4A (Sirius 4) LUX-G3-2

ITU BR special section reference: RES49 1653 date of publication: 26.08.2003

Satellite operator(s) (commercial) name: ASTRA 4A

GSO longitude: (East or West from Greenwich) 4.8E

Satellite service area: Figure 1: ASTRA 4A Europe Ku Band Coverage Area



Forward Channel details (Satellite to AES)

Transponder(s) downlink centre frequency: 11746.66 MHz

Transponder(s) downlink bandwidth: 33 MHz

Return Channel details (AES to satellite)

1. Transponder uplink centre frequency: 14075.00 MHz

Transponder(s) uplink bandwidth: 16 MHz

The current list of the airlines which will be using the Row 44 network system is listed on the Row 44 website: <http://www.Row44.com>.