

European Communications Office
Peblingehus
Nansensgade 19-3 DK-1366
Copenhagen Denmark

Luxembourg, January the 24th 2014

To the kindly attention of Mr Alexander Gulyaev,

Subject: ESV Declaration of Digitaria International SA for Ku Band Services

Dear Mr. Gulyaev,

Pursuant to Annex C of the Decision of the Electronic Communications Committee ("ECC") of 24 June 2005 on the free circulation and use of Earth Stations on board Vessels operating in fixed satellite service in frequency bands 14-14.5 GHz (Earth-to-space) and 11.45-11.70 GHz (space-to-Earth), ECC/DEC/(05)10, Digitaria International SA (the "Company") hereby declares that the ESVs operating in Europe under the satellite network operated by the Company comply with the requirements of the Decision, Resolution 902(WRC-03) and any restrictions notified to the European Radiocommunications Office (the "Office") by CEPT administrations under Decides 5 and 6 of the Decision.

Annex 1 contains the Network Operators details as well as technical specifications of ESV types used in the network and operating details of used satellite.

Please feel free to contact us for any clarification it may arise.

Sincerely,

Jean Martin Stoffel
Chief Executive Officer

ANNEX 1

NETWORK OPERATOR DETAILS

Network operator name	DIGITARIA INTERNATIONAL SA
Network operator address	25A, Boulevard Grande-Duchesse Charlotte L-1331 Luxembourg
Contact name	Federico Masier
Contact telephone number	+352 26441993
Contact e-mail address	federico.masier@digitaria-international.com
Network control facility (NCF) designated point of contact	NOC Manager
NCF contact name	Carlo Iannaccone
NCF contact telephone number	+352 26441993
NCF contact e-mail address	carlo.iannaccone@digitaria-international.com

TECHNICAL SPECIFICATIONS OF ESV TYPES USED INTO THE NETWORK

- Antenna type AL-7103

<u>ESV Antenna</u>	AL-7103
Antenna type	Orbit AL-7103
Antenna size	1.15 m
Transmit frequency bands	13.75 – 14.50 GHz
Transmit peak gain	42.5 dBi @ 14.25 GHz
Max e.i.r.p. per carrier	53.5 dBW (with 16 watts BUC)
Min. operating elevation	10°
Pointing accuracy	0.1° RMS

Waveform definition

Number(s) of carriers per ESV	1
Maximum occupied bandwidth(s) per carrier	3 MHz
Modulation	BPSK, QPSK, 8PSK
Multiple access scheme	FDMA, TDMA

- Antenna type 4009

<u>ESV Antenna</u>	4009
Antenna type	Cobham Seatel 4009
Antenna size	1.00 m
Transmit frequency bands	13.75 – 14.50 GHz
Transmit peak gain	40.6 dBi @ 14.25 GHz
Max e.i.r.p. per carrier	48.6 dBW (with 8 watts BUC)
Min. operating elevation	10°
Pointing accuracy	0.2° RMS

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 Business authorization n. 1003976/0

Contacts

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www.digitaria-international.com
info@digitaria-international.com

Waveform definition

Number(s) of carriers per ESV	1
Maximum occupied bandwidth(s) per carrier	2 MHz
Modulation	BPSK, QPSK, 8PSK
Multiple access scheme	FDMA, TDMA

- Antenna type 5010

ESV Antenna

Antenna type	5010
Antenna size	Cobham Seatel 5010
Transmit frequency bands	1.20 m
Transmit peak gain	13.75 – 14.50 GHz
Max e.i.r.p. per carrier	42.1 dBi @ 14.25 GHz
Min. operating elevation	53.1 dBW (with 16 watts BUC)
Pointing accuracy	10°
	0.1° RMS

Waveform definition

Number(s) of carriers per ESV	1
Maximum occupied bandwidth(s) per carrier	3 MHz
Modulation	BPSK, QPSK, 8PSK
Multiple access scheme	FDMA, TDMA

- Antenna type 5012

ESV Antenna

Antenna type	5012
Antenna size	Cobham Seatel 5012
Transmit frequency bands	1.24 m
Transmit peak gain	13.75 – 14.50 GHz
Max e.i.r.p. per carrier	43.0 dBi @ 14.25 GHz
Min. operating elevation	54.0 dBW (with 16 watts BUC)
Pointing accuracy	10°
	0.1° RMS

Waveform definition

Number(s) of carriers per ESV	1
Maximum occupied bandwidth(s) per carrier	3 MHz
Modulation	BPSK, QPSK, 8PSK
Multiple access scheme	FDMA, TDMA

OPERATING DETAILS OF EACH SATELLITE

ITU Filing satellite name	EUTELSAT 3-4E
Satellite operator name	EUTELSAT
GEO longitude	3.1° EAST
Satellite service area (text description and/or a figure of the area)	European coverage

Forward Channel details (Satellite to ESV)	
Transponder downlink centre frequency	10.991,67 MHz
Transponder downlink bandwidth	72 MHz

Return Channel details (ESV to satellite)	
Transponder uplink centre frequency	14.291,67 MHz
Transponder uplink bandwidth	72 MHz

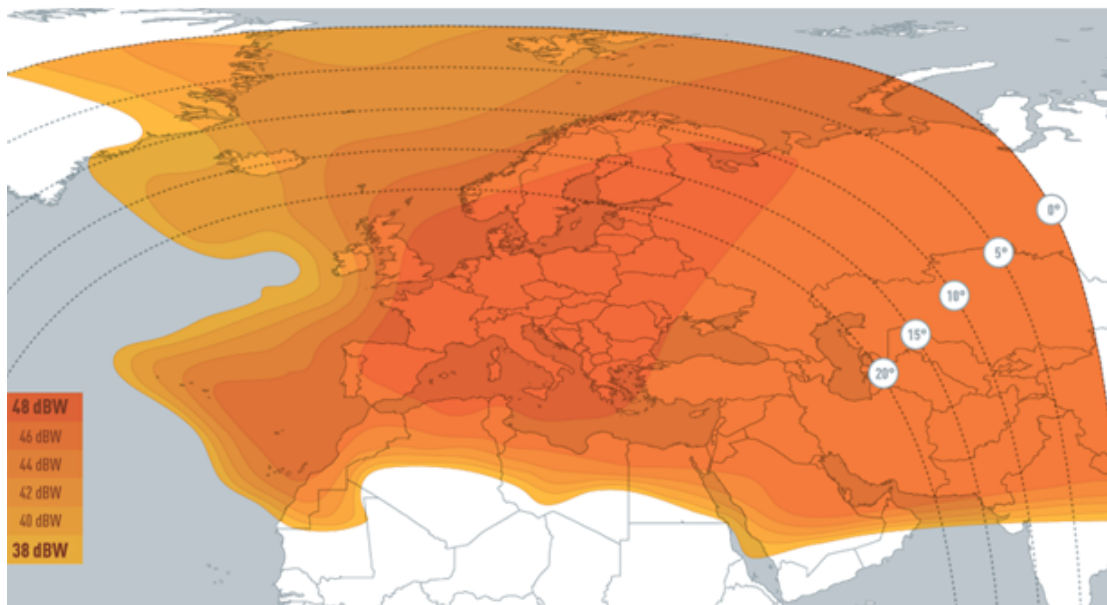


Figure 1: EUTELSAT 3-4E European coverage

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