



ECC ESV Network Operators Application

Network Operator Details

Network Operator Name	Inmarsat
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Network Control Facility (NCF) designated point of contact	Ian Morton
NCF Contact name	Neil MacKinnon
NCF contact telephone number	0207 510 1500
NCF Contact e-mail address	Ian.Morton@inmarsat.com

1. Technical Specification(s) of ESV type(s) used in the network

ESV Antenna	
Antenna type	Seatel 6009
Antenna size	1.5m
Transmit frequency bands	Ku band frequency band 12 – 18GHz
Transmit peak gain	45.1dB at 14.25GHz
Max e.i.r.p per carrier	39.4dBW
Min. Operating elevation	5 degrees
Pointing accuracy	0.3 degrees
ETSI EN 302 340 compliant	Yes

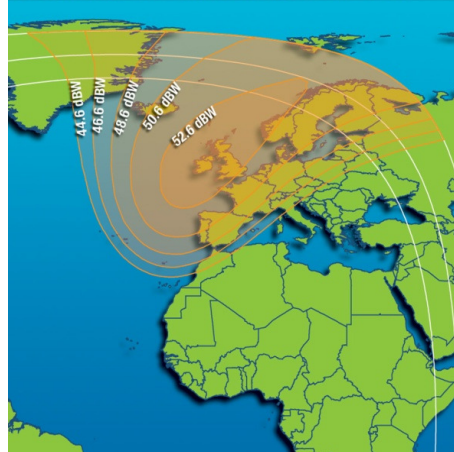
Waveform definition	
Number(s) of carriers per ESV	1 outbound + 1 inbound
Maximum occupied bandwidth(s) per carrier	0.704MHz + 0.328MHz
Modulation	QPSK
Multiple Access Scheme	TDMA

2. Operating details of each satellite

ITU Filing satellite name	IS-907 Spot 1
Satellite operator name	Intelsat
GEO Longitude	27.5°W

Satellite service area (text description and/or a figure of the area)

Ku-Band Spot 1 Beam Peak up to 53.6 dBW



The coverage offered in this case is designated around the Faroe islands at Geo location 62N, 1.1E

Forward Channel Details (Satellite to ESV)

Transponder downlink centre frequency	11,595MHz
Transponder downlink bandwidth	36MHz

Return Channel Details (ESV to satellite)

Transponder uplink centre frequency	14,395MHz
Transponder uplink bandwidth	36MHz