



ECC ESV Network Operators Application

Network Operator Details

Network Operator Name	Inmarsat
Network Operator Address	71 Hanover Street Edinburgh, UK EH2 1EE
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Network Control Facility (NCF) designated point of contact	Ian Morton
NCF Contact name	Neil MacKinnon
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1. Technical Specification(s) of ESV type(s) used in the network

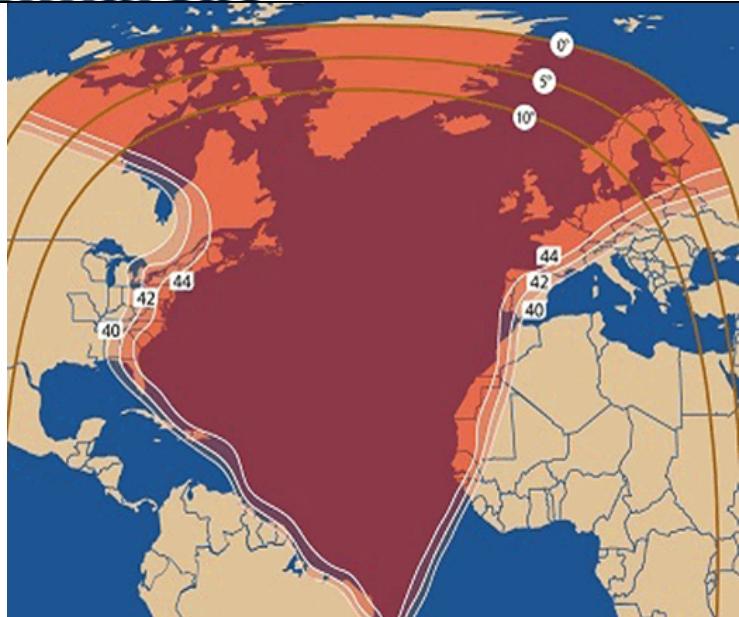
ESV Antenna	
Antenna type	Azimuth SE125
Antenna size	1.25m
Transmit frequency bands	Ku band frequency band 12 – 18GHz
Transmit peak gain	42.5dBi at 14.25GHz
Max e.i.r.p per carrier	46.8dBW
Min. Operating elevation	5 degrees
Pointing accuracy	0.2 degrees
ETSI EN 302 340 compliant	Yes

Waveform definition	
Number(s) of carriers per ESV	1 outbound + 6 inbounds
Maximum occupied bandwidth(s) per carrier	5.9MHz + (0.6MHz x 6)
Modulation	ACM (DVB-S2 outbound), QPSK inbound
Multiple Access Scheme	TDMA

2. Operating details of each satellite

ITU Filing satellite name	T11N AOR
Satellite operator name	Telesat
GEO Longitude	37.5°W

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



The coverage is based on a geo location of 38.75N, 78.67W.

Forward Channel Details (Satellite to ESV)

Transponder downlink centre frequency	11,648.5MHz
Transponder downlink bandwidth	27MHz

Return Channel Details (ESV to satellite)

Transponder uplink centre frequency	14,212MHz
Transponder uplink bandwidth	54MHz