



## **ECC ESV Network Operators Application**

### **Network Operator Details**

Network Operator Name	Inmarsat
Network Operator Address	71 Hanover Street Edinburgh, UK EH2 1EE
Contact Name	Michelle Milligan
Contact telephone number	+44 207 510 1520
Contact e-mail address	Michelle.milligan@inmarsat.com
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**

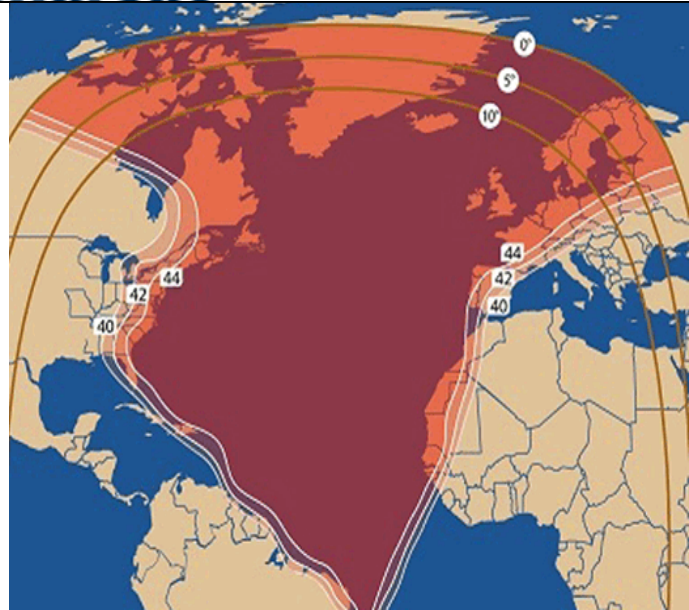
<b>ESV Antenna</b>	
Antenna type	Seatel 4003
Antenna size	1m
Transmit frequency bands	Ku band frequency band 12 – 18GHz
Transmit peak gain	40dBi at 14.0GHz
Max e.i.r.p per carrier	46.8dBW
Min. Operating elevation	5 degrees
Pointing accuracy	0.3 degrees
ETSI EN 302 340 compliant	Yes

<b>Waveform definition</b>	
Number(s) of carriers per ESV	1 outbound + 5 inbounds
Maximum occupied bandwidth(s) per carrier	5.7MHz + (0.6MHz x 5)
Modulation	QPSK
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