



## **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	<a href="mailto:Michelle.milligan@inmarsat.com">Michelle.milligan@inmarsat.com</a>
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	<a href="mailto:Ian.Morton@inmarsat.com">Ian.Morton@inmarsat.com</a>

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

<b>ESV Antenna</b>	
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	39.4dBW
Min. Operating elevation	5 degrees
Pointing accuracy	0.2 degrees
ETSI EN 302 340 compliant	Yes

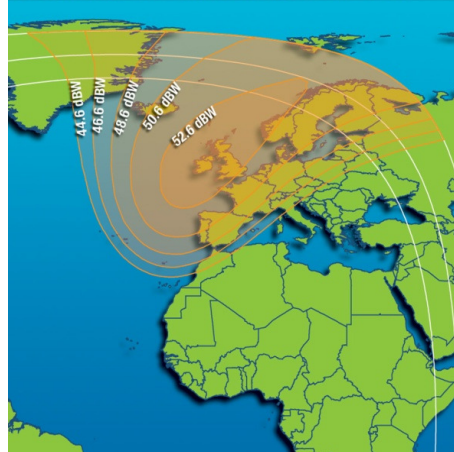
<b>Waveform definition</b>	
Number(s) of carriers per ESV	1 outbound + 1 inbound
Maximum occupied bandwidth(s) per carrier	0.704MHz + 0.328MHz
Modulation	QPSK
Multiple Access Scheme	TDMA

### **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