



## **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	ian.morton@inmarsat.com

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

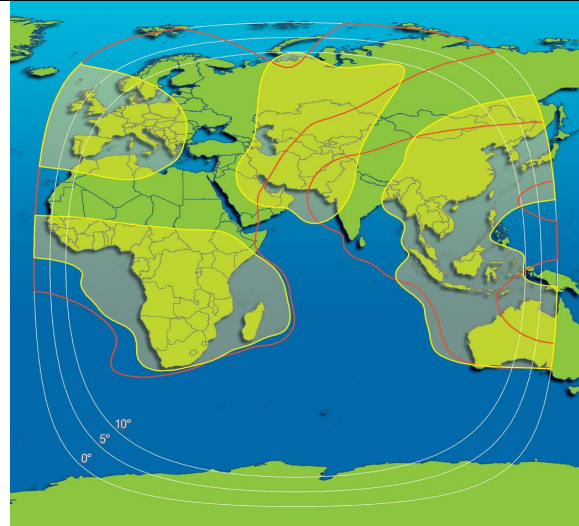
<b>ESV Antenna</b>	
Antenna type	Seatel 9707
Antenna size	2.4m
Transmit frequency bands	4-8 GHz
Transmit peak gain	41.7dBi at 6.18GHz
Max e.i.r.p per carrier	48.7dBW
Min. Operating elevation	5 degrees
Pointing accuracy	0.2 degrees
ETSI EN 301 447 compliant	yes

<b>Waveform definition</b>	
Number(s) of carriers per ESV	One outbound + 6 inbounds
Maximum occupied bandwidth(s) per carrier	5.8MHz outbound +6*0.371MHz inbound
Modulation	QPSK
Multiple Access Scheme	TDMA

### **2. Operating details of each satellite**

ITU Filing satellite name	IS-904 IOR
Satellite operator name	Intelsat
GEO Longitude	60E

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



The coverage offered in this case is at 15 degrees elevation to the satellite.

**Forward Channel Details (Satellite to ESV)**

Transponder downlink centre frequency	4,095MHz
Transponder downlink bandwidth	36MHz

**Return Channel Details (ESV to satellite)**

Transponder uplink centre frequency	3,360MHz
Transponder uplink bandwidth	36MHz