



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

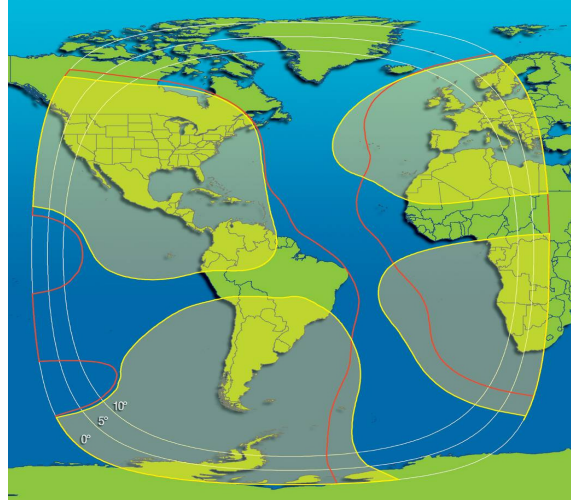
ESV Antenna	
Antenna type	Seatel 9707
Antenna size	2.4m
Transmit frequency bands	4-8 GHz
Transmit peak gain	41.7dBi at 6.18GHz
Max e.i.r.p per carrier	55.0 dBW
Min. Operating elevation	5 degrees
Pointing accuracy	0.2 degrees
ETSI EN 301 447 compliant	yes

Waveform definition	
Number(s) of carriers per ESV	One outbound + 6 inbounds
Maximum occupied bandwidth(s) per carrier	9MHz + 6*0.358MHz
Modulation	QPSK
Multiple Access Scheme	TDMA

2. Operating details of each satellite

ITU Filing satellite name	IS-707 AOR
Satellite operator name	Intelsat
GEO Longitude	53W

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	4095MHz
Transponder downlink bandwidth	36MHz

Return Channel Details (ESV to satellite)

Transponder uplink centre frequency	6,320MHz
Transponder uplink bandwidth	36MHz