



ECC ESV Network Operators Application

Network Operator Details

Network Operator Name	Inmarsat
Network Operator Address	71 Hanover Street Edinburgh, UK EH2 1EE
Contact Name	Neil MacKinnon
Contact telephone number	+44 131 220 7226
Contact e-mail address	neil.mackinnon@inmarsat.com
Network Control Facility (NCF) designated point of contact	Ian Morton
NCF Contact name	Andrew Hill
NCF contact telephone number	+44 131 220 7227
NCF Contact e-mail address	ian.morton@inmarsat.com

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	45.5dBW
Min. Operating elevation	5 degrees
Pointing accuracy	0.2 degrees
ETSI EN 301 447 compliant	yes

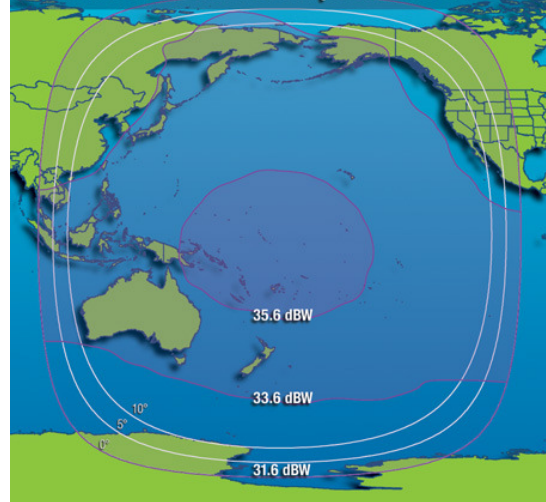
Waveform definition	
Number(s) of carriers per ESV	One outbound + 2 inbounds
Maximum occupied bandwidth(s) per carrier	0.961MHz outbound + 2*0.371 inbound
Modulation	QPSK
Multiple Access Scheme	TDMA

2. Operating details of each satellite

ITU Filing satellite name	IS-18 POR
Satellite operator name	Intelsat
GEO Longitude	180°E

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

C-Band Global Beam Peak up to 36.6 dBW



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

Forward Channel Details (Satellite to ESV)

Transponder downlink centre frequency	4,177.5MHz
Transponder downlink bandwidth	41MHz

Return Channel Details (ESV to satellite)

Transponder uplink centre frequency	6,402.5MHz
Transponder uplink bandwidth	41MHz