



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

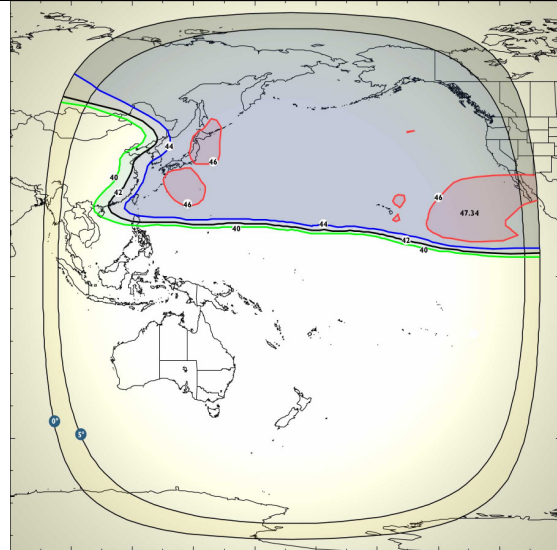
ESV Antenna	
Antenna type	Seatel 4009
Antenna size	1m
Transmit frequency bands	Ku band frequency band 12 – 18GHz
Transmit peak gain	40.6dB at 14.25GHz
Max e.i.r.p per carrier	50.1dBW
Min. Operating elevation	5 degrees
Pointing accuracy	0.3 degrees
ETSI EN 302 340 compliant	Yes

Waveform definition	
Number(s) of carriers per ESV	One outbound + four inbounds
Maximum occupied bandwidth(s) per carrier	6MHz outbound + 1.5MHz inbound (total)
Modulation	QPSK
Multiple Access Scheme	TDMA

2. Operating details of each satellite

ITU Filing satellite name	GE-23 North Pacific Beam
Satellite operator name	Satlynx
GEO Longitude	172E

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



The coverage offered in this case it to Taiwan on 44dBW contour (before rationalization).

Forward Channel Details (Satellite to ESV)

Transponder downlink centre frequency	11,503MHz
Transponder downlink bandwidth	27MHz

Return Channel Details (ESV to satellite)

Transponder uplink centre frequency	14,423MHz
Transponder uplink bandwidth	27MHz