



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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NCF Contact e-mail address	Ian.Morton@inmarsat.com

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

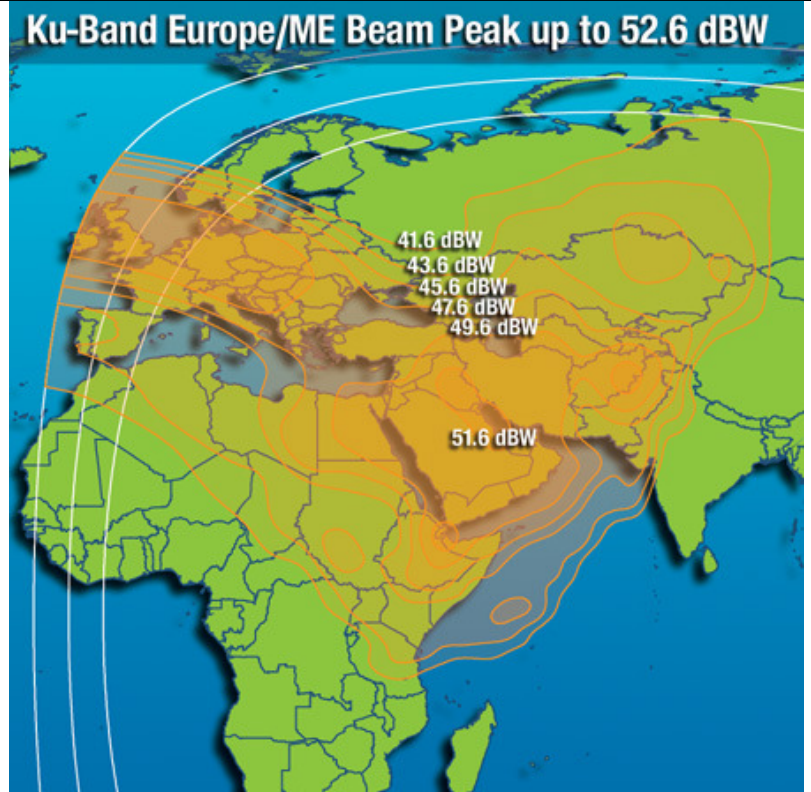
ESV Antenna	
Antenna type	Seatel 6006
Antenna size	1.5m
Transmit frequency bands	<i>Ku band frequency band 12 – 18GHz</i>
Transmit peak gain	45.1dB at 14.2GHz
Max e.i.r.p per carrier	47.0dBW
Min. Operating elevation	5 degrees
Pointing accuracy	0.3 degrees
ETSI EN 302 340 compliant	Yes

Waveform definition	
Number(s) of carriers per ESV	1 outbound + 3 inbounds
Maximum occupied bandwidth(s) per carrier	3.8MHz + 3*0.683MHz
Modulation	QPSK
Multiple Access Scheme	TDMA

2. Operating details of each satellite

ITU Filing satellite name	IS-17 Middle East
Satellite operator name	Intelsat
GEO Longitude	66°E

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



The coverage offered in this case is 99.5% availability to 14N, 55E on the 49.6dBw contour.

Forward Channel Details (Satellite to ESV)

Transponder downlink centre frequency	11,495MHz
Transponder downlink bandwidth	72MHz

Return Channel Details (ESV to satellite)

Transponder uplink centre frequency	14,295MHz
Transponder uplink bandwidth	72MHz