



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

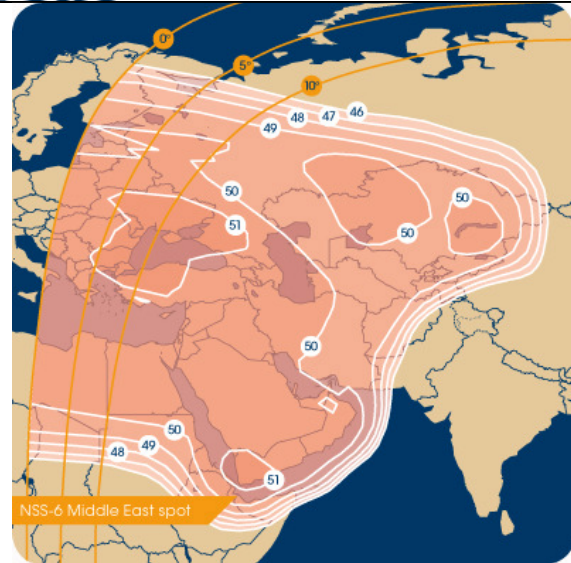
ESV Antenna	
Antenna type	Sea Tel 6009
Antenna size	1.5m
Transmit frequency bands	Ku band frequency band 12 – 18GHz
Transmit peak gain	45.1dB @ 14.25GHz
Max e.i.r.p per carrier	46.9dBW
Min. Operating elevation	5 degrees
Pointing accuracy	0.3 degrees
ETSI EN 302 340 compliant	Yes

Waveform definition	
Number(s) of carriers per ESV	One outbound + four inbounds
Maximum occupied bandwidth(s) per carrier	3MHz outbound + 1.5MHz inbound (total)
Modulation	QPSK
Multiple Access Scheme	TDMA

2. Operating details of each satellite

ITU Filing satellite name	NSS-6 Middle East
Satellite operator name	SES Worldskies
GEO Longitude	95E

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



The coverage offered in this case is to Arabian Sea off the coast of Pakistan, EIRP 46dBW

Forward Channel Details (Satellite to ESV)

Transponder downlink centre frequency	11,090MHz
Transponder downlink bandwidth	36MHz

Return Channel Details (ESV to satellite)

Transponder uplink centre frequency	14,142MHz
Transponder uplink bandwidth	36MHz