



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

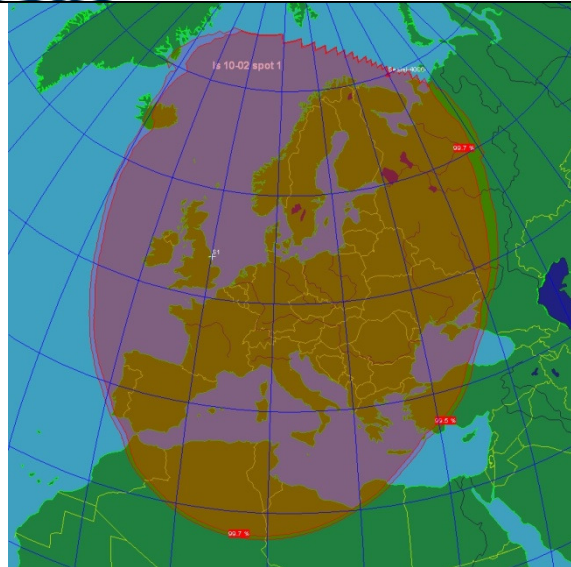
ESV Antenna	
Antenna type	Seatel 4009
Antenna size	1m
Transmit frequency bands	Ku band frequency band 12 – 18GHz
Transmit peak gain	40.6dB at 14.25GHz
Max e.i.r.p per carrier	45.2dBW
Min. Operating elevation	5 degrees
Pointing accuracy	0.3 degrees
ETSI EN 302 340 compliant	Yes

Waveform definition	
Number(s) of carriers per ESV	One outbound + four inbounds
Maximum occupied bandwidth(s) per carrier	3.2158MHz + 4*0.544MHz
Modulation	QPSK
Multiple Access Scheme	TDMA

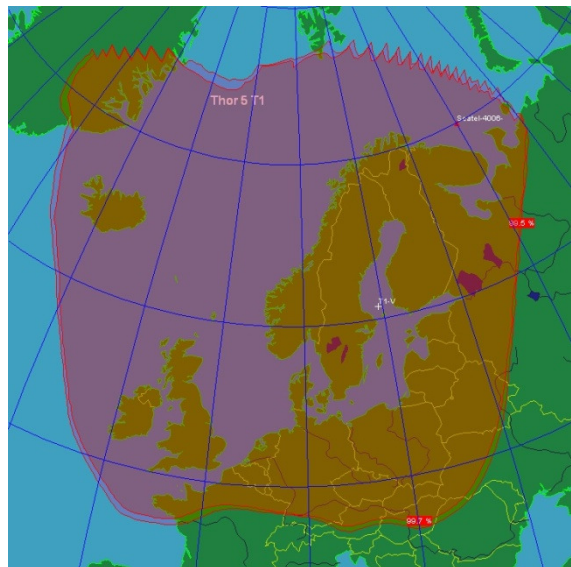
2. Operating details of each satellite

ITU Filing satellite name	Outbound IS10-02 Spot 1, Inbound Thor 5T1
Satellite operator name	Telenor
GEO Longitude	1W (for both outbound and inbound)

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



The coverage offered on IS10-02 Spot 1 is exactly as shown above.



The coverage offered on Thor 5T1 is exactly as shown above.

Forward Channel Details (Satellite to ESV)

Transponder downlink centre frequency	11,434MHz
Transponder downlink bandwidth	27MHz

Return Channel Details (ESV to satellite)

Transponder uplink centre frequency	14,205MHz
Transponder uplink bandwidth	72MHz