

ANNEX C of ECC/DEC(05)10

ECC ESV Network Operator's Application

Network Operator Details

| | |
|--|---|
| Network Operator Name | SpeedCast Limited |
| Network Operator Address | <u>Registered:</u> 9/F, Phase II, China Taiping Tower, 8 Sunning Road, Causeway Bay, Hong Kong <u>NOC:</u> 15 Dai Kwai Street, Tai Po Industrial Estate, Tai Po, N.T., Hong Kong |
| Contact Name | Tony Chung / Gordon Lau / Allan Ng |
| Contact Telephone Number | +852 3919 6718 / +852 3919 6712 / +852 3919 6729 |
| Contact e-mail address | tony.chung@speedcast.com; gordon.lau@speedcast.com; allan.ng@speedcast.com |
| Network Control Facility (NCF) designated point of contact | SpeedCast Support Centre- Tony Chung |
| NCF Contact name | Duty Engineers- Tony Chung / Gordon Lau |
| NCF Contact telephone number | +852 3919 6700 |
| NCF Contact e-mail address | support@speedcast.com |

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

ESV Antenna

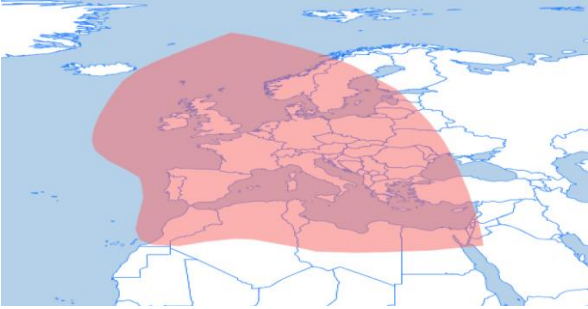
| | |
|--------------------------|---|
| Antenna type | Furuno V100, Maritime Auto Track Antenna |
| Antenna size | 1 meter |
| Transmit frequency bands | Ku-band 14.00 - 14.50 GHz (or 13.75 - 14.50 GHz optional) |
| Transmit peak gain | 41.8dBi @ 14.25GHz |
| Max e.i.r.p. per carrier | 49dBW @ 14.25GHz |
| Min. operating elevation | 5.0 degrees (Programmable) |
| Pointing accuracy | +/- 0.2 degree |

Waveform definition

| | |
|---|----------------------|
| Number(s) of carriers per ESV | 1 |
| Maximum occupied bandwidth(s) per carrier | 0.9MHz |
| Modulation | QPSK 2D-16S-170B-3/4 |
| Multiple access scheme | iDirect TDMA |

2. Operating Details of each satellite

USASAT-26A

| | |
|---|--|
| ITU Filing satellite name | USASAT-26A |
| Satellite operator name | Telesat |
| GEO longitude | 37.5W |
| Satellite service area (text description and/or a figure of the area) |  |

| | |
|---|------------|
| <u>Forward Channel details (Satellite to ESV)</u> | K18 |
| Transponder downlink centre frequency | 12,529MHz |
| Transponder downlink bandwidth | 54 MHz |
| | |
| <u>Return Channel details (ESV to satellite)</u> | K06B |
| Transponder uplink centre frequency | 14,401 MHz |
| Transponder uplink bandwidth | 54 MHz |