

**ANNEX C of ECC/DEC(05)10**

**ECC ESV Network Operator's Application**

**Network Operator Details**

Network Operator Name	SpeedCast Limited
Network Operator Address	Registered: 9/F, Phase II, China Taiping Tower, 8 Sunning Road, Causeway Bay, Hong Kong  NOC: 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**

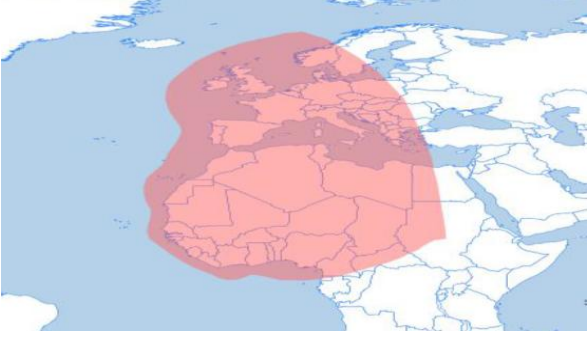
Antenna type	Furuno V100, Maritime Auto Track Antenna
Antenna size	1 meter
Transmit frequency bands	Ku-band 14.00 - 14.50 GHz (or 13.75 - 14.50 GHz optional)
Transmit peak gain	41.8dBi @ 14.25GHz
Max e.i.r.p. per carrier	49dBW @ 14.25GHz
Min. operating elevation	5.0 degrees (Programmable)
Pointing accuracy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

### USASA-601

ITU Filing satellite name	USASA-601
Satellite operator name	Intelsat
GEO longitude	45W
Satellite service area (text description and/or a figure of the area)	

<u>Forward Channel details (Satellite to ESV)</u>	UEFKH/UEFKV 8
Transponder downlink centre frequency	11,590MHz
Transponder downlink bandwidth	36MHz
<u>Return Channel details (ESV to satellite)</u>	UEFKH/UEFKV 8
Transponder uplink centre frequency	14,140MHz
Transponder uplink bandwidth	36MHz