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Mr. Thomas Weber  
European Communications Office  
Peblingehus  
Nansensgade 19  
DK-1366 Copenhagen K  
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Paris, Tuesday, September 6th, 2011

Re: Notification under ECC Decision (05)10 on the free circulation and use of Earth Stations on board Vessels operating in fixed satellite service networks in the frequency bands 14.0-14.5 GHz (Earth-to-space), 10.7-11.7 GHz (space-to-Earth) and 12.5-12.75 GHz (space-to-Earth)

Dear Sir,

France Telecom, S.A. (FT) hereby submits its notification of Earth Stations on board Vessels (ESV) pursuant to above-referenced ECC Decision. FT's ESV network will comply with the requirements listed in ECC/DEC(05)10. Specifically, FT's ESV network will:

Comply with EN 302 340;  
Operate with antennas having a diameter of 0.6 M or larger;  
Operate under the control of a network control facility.

The parameters of the FT ESV network that need to be submitted pursuant to Annex C of the Decision are attached to this letter.

Best regards,

Veronique Disdet  
Head of Satellite Factory  
France Telecom, S.A.

**Attachment: Information on the FT ESV network required by Annex C of ECC/DEC(05)10**



## Information on the France Telecom Orange ESV network required by Annex C of ECC/DEC(05)10

- Points of Contact for ESV network operator**

Network Operator's designated point of contact:

|                            |  |
|----------------------------|--|
| Title of Contact:          | Ms. Velichka Sapundzhieva<br>Capacity & Teleport Management    |
| Postal Address:            | France Telecom<br>61 rue des Archives<br>75003 Paris<br>France |
| Telephone and Fax numbers: | Tel: +33.1.40.29.65.54<br>Fax: +33.1.40.29.61.94               |
| Email:                     | velichka.sapundzhieva@orange-ftgroup.com                       |

Network Control Facility (NCF) designated point of contact:

|                           |   |
|---------------------------|---|
| Title of Contact:         | Mr. Jacky Desmarest<br>Bercenay-en-Othe Earth Station Manager |
| Postal Address:           | 156 route d'Estissac<br>Bercenay-en-Othe<br>F-10190<br>France |
| Telephone and Fax number: | Tel: +33 3 25 75 70 06<br>Fax: +33 3 25 75 70 80              |
| Email:                    | jacky.desmarest@orange-ftgroup.com                            |

- Technical Specifications of ESV equipment type used in the network**

### ESV Antennas

| Antenna type              | SeaTel 4006   | SeaTel 4009   | C2Sat         | Orbit         |
|---------------------------|---------------|---------------|---------------|---------------|
| Antenna size              | 1 Meter       | 1 Meter       | 1,2 Meter     | 1,15 Meter    |
| Transmit frequency bands  | 14.0-14.5 GHz | 14.0-14.5 GHz | 14.0-14.5 GHz | 14.0-14.5 GHz |
| Transmit peak gain        | 40,0 dB       | 40,6 dB       | 42,9 dB       | 42,5 dB       |
| Max e.i.r.p. per carrier  | 48,8 dBW      | 49,4 dBW      | 52 dBW        | 52 dBW        |
| Min. operating elevation  | 20°           | 20°           | 20°           | 20°           |
| Antenna pointing accuracy | 0,1° rms      | 0,1° rms      | 0,1° rms      | 0,1° rms      |



#### Waveform definition

|   |  |
|---|--|
| Number(s) of carriers per ESV             | 1  |
| Maximum occupied bandwidth(s) per carrier | 500 kHz  |
| Modulation                                | i-Direct DVB S-2 Network (QPSK)-<br>data, voice (outroute) |
| Multiple access scheme                    | iDirect (Outroute DVB-S2 / Inroute<br>TDMA)                |

- **Operating details of each satellite**

#### ITU BR Filing Information

|   |                |
|---|----------------|
|   | Eutelsat W3A   |
| ITU BR filing satellite network name    | EUTELSAT 3-7E  |
| Satellite operator(s) (commercial) name | EUTELSAT       |
| GEO longitude                           | 7,0°E          |
| Satellite Service Area                  | (See Figure 1) |

#### Forward Channel details (Satellite to ESV)

|                                    |               |
|------------------------------------|---------------|
|                                    | Eutelsat W3A  |
| Transponder center frequency (MHz) | 12660.742 MHz |
| Transponder bandwidth (MHz)        | 58 MHz        |

#### Return Channel details (ESV to satellite)

|                                    |               |
|------------------------------------|---------------|
|                                    | Eutelsat W3A  |
| Transponder center frequency (MHz) | 14160.742 MHz |
| Transponder bandwidth (MHz)        | 58 MHz        |



As of the time of filing of this application, the following coverage applies:

**Figure 1: Eutelsat W3A Coverage at 7°E**

