

## SCHEDULE 5

Regulation 3(1)

### LAND MOBILE-SATELLITE SERVICE STATIONS

#### PART I

##### INTERPRETATION

In this Schedule—

“Eutelsat” means the European Telecommunications Satellite Organization established by Article 11(a) of the Convention on the European Telecommunications Satellite Organization of 1982<sup>(1)</sup>;

“Globalstar” means Globalstar LP whose registered office is situated at 3200 Zanker Road, GS-06, San Jose, CA 95134, United States of America;

“ICO” means ICO Global Communications (Holdings) Limited whose registered office is situated at Clarendon House, 2 Church Street, Hamilton, Bermuda;

“Inmarsat” means the International Maritime Telecommunications Satellite Organization established by Article 2(1) of the Convention on the International Maritime Telecommunications Satellite Organization of 1976<sup>(2)</sup>;

“Iridium” means Iridium Communications Germany GmbH whose registered office is situated at Jagerhofstrasse 19–20, 40479 Dusseldorf, Germany;

“Italsat” means the satellite network operated by Telespazio s.p.a. whose registered office is situated at via Tiburting, 965–00156 Rome, Italy;

“Land Mobile-Satellite Service”, “Land Earth Station” and “Land Mobile Earth Station” have the meanings given to them in the Radio Regulations;

“mean power” and “peak power” have the meanings given to them in the Radio Regulations; and

“prescribed apparatus” means a Land Mobile Earth Station in a Land Mobile-Satellite Service described in Part III of this Schedule.

#### PART II

##### ADDITIONAL TERMS, PROVISIONS AND LIMITATIONS

1. The prescribed apparatus shall be subject to and comply with the Common Technical Regulations referred to in Part IV of this Schedule as appropriate, and in the absence of a Common Technical Regulation applying to such apparatus, the prescribed apparatus—

- (a) is approved for the time being by the Secretary of State under section 84 of the 1984 Act for the purposes of these Regulations; or
- (b) is approved to the ETSI standards referred to in Part IV of this Schedule as appropriate by a national administration following type testing at a test laboratory,

provided that paragraph (a) above shall not apply in relation to prescribed apparatus situated in the Bailiwick of Jersey.

(1) The Convention on the European Telecommunications Satellite Organization was opened for signature in Paris on 15th July 1982; it was amended on 15th December 1983 and entered into force on 1st September 1985.

(2) The Convention on the International Maritime Satellite Organization was agreed on 30th September 1976 and entered into force on 16th July 1979; it was amended on 13th October 1989.

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2. Prescribed apparatus in the Iridium and Globalstar Land Mobile-Satellite Services referred to in Part III shall cease operation at or within a distance determined by the Secretary of State for each relevant radioastronomy site for the duration of any radioastronomy observation.

## PART III

### DESCRIPTIONS OF THE PRESCRIBED APPARATUS

#### **Inmarsat**

Land Mobile Earth Stations in the Inmarsat Land Mobile-Satellite Service which are designed or adapted to—

- (a) send and receive messages by wireless telegraphy via that Service to or from any Land Earth Station in that Service; and
- (b) be capable of transmitting in the frequency bands 1626.5–1645.5 MHz and 1646.5–1660.5 MHz and receiving in the frequency bands 1525.0–1544.0 MHz or 1545.0–1559.0 MHz and operating at a power level not exceeding the maximum specified in the table set out in Part IV.

#### **Eutelsat**

Land Mobile Earth Stations in the Eutelsat Land Mobile-Satellite Service which are designed or adapted to—

- (a) send and receive messages by wireless telegraphy via that Service to or from any Land Earth Station in that Service; and
- (b) be capable of transmitting in the frequency band 14.00–14.25 GHz and receiving in the frequency bands 10.70–11.70 GHz or 12.50–12.75 GHz and operating at a power level not exceeding the maximum specified in the table set out in Part IV.

#### **Italsat**

Land Mobile Earth Stations in the Italsat Land Mobile-Satellite Service which are designed or adapted to—

- (a) send and receive messages by wireless telegraphy via that Service to or from any Land Earth Station in that Service; and
- (b) be capable of transmitting in the frequency bands 1626.5–1645.5 MHz and 1646.5–1660.5 MHz and receiving in the frequency bands 1525.0–1544.0 MHz or 1545.0–1559.0 MHz and operating at a power level not exceeding the maximum specified in the table set out in Part IV.

#### **Iridium**

Land Mobile Earth Stations in the Iridium Land Mobile-Satellite Service which are designed or adapted to—

- (a) send and receive messages by wireless telegraphy via that Service to or from any Land Earth Station in that Service;
- (b) be capable of transmitting and receiving in the frequency band 1621.35–1626.50 MHz and operating at a power level not exceeding –3 dBW/4 kHz mean power (eirp) density; and

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- (c) operate in accordance with the requirements of ECTRA/ERC Decision (97) 05 and ERC Decision ERC/DEC (97) 03 decided by the CEPT in June 1997 respectively.

## ICO

Land Mobile Earth Stations in the ICO Land Mobile-Satellite Service which are designed or adapted to—

- (a) send and receive messages by wireless telegraphy via that Service to or from any Land Earth Station in that Service;
- (b) be capable of transmitting and receiving in the frequency bands 1997.5–2010.0 MHz and 2187.5–2200.0 MHz and operating at a power level not exceeding 9.8 dBW/25 kHz peak power (eirp) density; and
- (c) operate in accordance with the requirements of ECTRA/ERC Decision (97) 05, ERC Decision ERC/DEC (97) 03 and ERC Decision ERC/DEC (97) 04 decided by the CEPT in June 1997.

## Globalstar

Land Mobile Earth Stations in the Globalstar Land Mobile-Satellite Service which are designed or adapted to—

- (a) send and receive messages by wireless telegraphy via that Service to or from any Land Earth Station in that Service;
- (b) be capable of transmitting and receiving in the frequency bands 1610.0–1621.35 MHz and 2483.5–2500.0 MHz and operating at a power level not exceeding –3 dBW/4 kHz mean power (eirp) density; and
- (c) operate in accordance with the requirements of ECTRA/ERC Decision (97) 05 and ERC Decision ERC/DEC (97) 03.

## PART IV

### COMMON TECHNICAL REGULATIONS AND STANDARDS

#### Inmarsat

<i>Type of Inmarsat station</i>	<i>Maximum power (eirp)</i>	<i>ETSI standard (unless otherwise stated)</i>	<i>Date of publication</i>
A	+37 dBW	Technical Requirements for Inmarsat Standard—A Ship Earth Stations, edition 3	May 1988
		Ship Earth Station Technical Bulletin 26A	September 1991
		Ship Earth Station Technical Bulletin 27B	October 1993
B	+34 dBW (+1/–2 dB)	TBR 44	May 1998

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<i>Type of Inmarsat station</i>	<i>Maximum power (eirp)</i>	<i>ETSI standard (unless otherwise stated)</i>	<i>Date of publication</i>
C	+16 dBW	TBR 26 edition 1	May 1998
D+	+9 dBW	TBR 26 edition 1	
M	+28 dBW (+3/−3 dB)	TBR 44	
Mini M (phone)	+2.7 dBW	TBR 44	

#### **Eutelsat**

<i>Type of Eutelsat station</i>	<i>Maximum power (eirp)</i>	<i>ETSI standard</i>	<i>Date of publication</i>
Euteltracs (Omnitracs)	19 dBW	TBR 27	January 1998

#### **Italsat**

<i>Type of Italsat station</i>	<i>Maximum power (eirp)</i>	<i>ETSI standard</i>	<i>Date of publication</i>
EMS-PRODAT	12 dBW	TBR 26 edition 1	May 1998
EMS-MSSAT	11.5 dBW	TBR 44	May 1998

#### **Iridium**

CTR 41—Commission Decision of 3rd September 1998 on a common technical regulation for Satellite Personal Communications Networks (S-PCN) Mobile Earth Stations (MESs), including hand held earth stations, for S-PCN operating in the 1.6/2.4 GHz frequency bands under the Mobile Satellite Service (MSS)(3).

#### **ICO**

CTR 42—Commission Decision of 3rd September 1998 on a common technical regulation for Satellite Personal Communications Networks (S-PCN) Mobile Earth Stations (MESs), including hand held earth stations, for S-PCN operating in the 2.0 GHz frequency bands under the Mobile Satellite Service (MSS)(4).

#### **Globalstar**

CTR 41.

(3) OJNo. L247, 5.9.98, p. 11.

(4) OJ No. L247, 5.9.98, p. 13.