



# **SPECTRUM PRICING: THIRD STAGE UPDATE AND CONSULTATION**

## **Appendix 3 Fixed Terrestrial Links**

Your views on the proposals set out in this document are sought by 9 February 2001. Comments should be sent to the address below. It would be helpful if lengthy written documents could be sent via email or on disk in Word 7:

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### **Appendix 3: Fixed Terrestrial Links**

The July 1999 Fees Regulations introduced administrative pricing within the Fixed Links business sector for all terrestrial point-to-point fixed links. The fees represented the first step in a four-year cycle and it is proposed to implement the third step in the year 2001. This will mean an increase in licence fees for links in congested areas, and a reduction in fees for links in uncongested areas from their 2000 level. Fees for this third year are set out in detail below. In summary, the variations in fees range between £25 and £300 per link, with the higher increases applying to mature equipment in congested regions. The changes are in line with the phased programme set out in the Sept 1998 second stage consultation document.

No changes are proposed in the year 2001 regulations in respect of the frequency bands and regions considered to be congested. The impact of administrative pricing on the general availability of fixed links spectrum will continue to be monitored to identify emerging trends and changes in the pattern of congestion, with any lessons being considered for implementation in 2002 and subsequent years. There will also be continuing detailed consultation through the fixed links consultation committee framework in respect of further refinements to the fixed link pricing concepts; for instance by replacing the current restrictions on link length and parallel links by fee incentives to encourage the appropriate use of frequency bands, and possibly including in the algorithm a parameter to reflect planned availability.

It is not proposed to alter the standard £50 fee for each un-coordinated link in the 58 GHz band.

## FEES PAYABLE IN RELATION TO CONGESTED AREAS

| <i>Frequency band</i>                         | <i>Limits of bandwidth per fixed link</i>     | <i>Minimum data bit rate</i> | <i>Fee<br/>£</i> |
|---|---|------------------------------|------------------|
| 3.600-4.200 GHz                               | Not more than 15 MHz                          | 51 Mbit/s                    | 870              |
|   | More than 15 MHz but not more than 30 MHz     | 51 Mbit/s<br>140 Mbit/s      | 1,740<br>1,125   |
|   | More than 30 MHz but not more than 90 MHz     | 140 Mbit/s                   | 3,375            |
| 5.925-6.425 GHz                               | Not more than 15 MHz                          | 51 Mbit/s                    | 870              |
|   | More than 15 MHz but not more than 30 MHz     | 51 Mbit/s<br>140 Mbit/s      | 1,740<br>1,125   |
|   | More than 30 MHz but not more than 90 MHz     | 140 Mbit/s                   | 3,375            |
| 7.425-7.900 GHz                               | Not more than 3.5 MHz                         | 8 Mbit/s                     | 420              |
|   | More than 3.5 MHz but not more than 7 MHz     | 8 Mbit/s<br>16 Mbit/s        | 840<br>565       |
|   | More than 7 MHz but not more than 14 MHz      | 16 Mbits<br>34 Mbit/s        | 1,130<br>870     |
|   | More than 14 MHz but not more than 28 MHz     | 34 Mbit/s<br>140 Mbit/s      | 1,740<br>1,125   |
|   | More than 28 MHz but not more than 56 MHz     | 140 Mbit/s                   | 2,250            |
| 12.750-13.250 GHz<br>and<br>14.250-14.500 GHz | Not more than 1.75MHz                         | 2 Mbit/s                     | 280              |
|   | More than 1.75 MHz but not more than 3.5 MHz  | 4 Mbit/s<br>8 Mbit/s         | 560<br>420       |
|   | More than 3.5 MHz but not more than 7 MHz     | 8 Mbit/s<br>16 Mbit/s        | 840<br>565       |
|   | More than 7 MHz but not more than 14 MHz      | 16 Mbit/s<br>34 Mbit/s       | 1,130<br>870     |
|   | More than 14 MHz but not more than 28 MHz     | 34 Mbit/s<br>140 Mbit/s      | 1,740<br>1,125   |
|   | More than 28 MHz but not more than 56 MHz     | 140 Mbit/s                   | 2,250            |
| All bands Specified above                     | Any bandwidth in relation to an analogue link | Not applicable               | 1,125            |

**FEES PAYABLE IN RELATION TO NON-CONGESTED AREAS**

| <i>Frequency band</i>  | <i>Limits of bandwidth per fixed link</i>   | <i>Fee<br/>£</i> |
|--|---|------------------|
| 1350-1690 MHz  | Not more than 500 kHz                       | 260              |
|  | More than 500 kHz but not more than 1 MHz   | 380              |
|  | More than 1 MHz but not more than 2 MHz     | 500              |
| 1.700-1.900 GHz  | More than 50 kHz                            | 380              |
| 3.600-4.200 GHz  | Not more than 15 MHz                        | 560              |
|  | More than 15 MHz but not more than 30 MHz   | 725              |
|  | More than 30 MHz but not more than 90 MHz   | 2,175            |
| 5.925-6.425 GHz  | Not more than 15 MHz                        | 560              |
|  | More than 15 MHz but not more than 30 MHz   | 725              |
|  | More than 30 MHz but not more than 90 MHz   | 2,175            |
| 7.425-7.900 GHz<br>12.750-13.250 GHz and<br>14.250-14.500 GHz    | Not more than 3.5 MHz                       | 270              |
|  | More than 3.5 MHz but not more than 7 MHz   | 365              |
|  | More than 7 MHz but not more than 14 MHz    | 560              |
|  | More than 14 MHz but not more than 28 MHz   | 725              |
|  | More than 28 MHz but not more than 56 MHz   | 1,090            |
| 17.300-17.700 GHz  | Not more than 14 MHz                        | 720              |
|  | More than 14 MHz but not more than 100 MHz  | 925              |
|  | More than 100MHz but not more than 200 MHz  | 1,030            |
|  | More than 200 MHz but not more than 300 MHz | 1,155            |
|  | More than 300 MHz                           | 1,280            |
| 21.200-23.600 GHz,<br>24.500-26.500 GHz and<br>27.500-29.500 GHz | Not more than 3.5 MHz                       | 240              |
|  | More than 3.5 MHz but not more 7 MHz        | 320              |
|  | More than 7 MHz but not more than 14 MHz    | 490              |
|  | More than 14 MHz but not more than 28 MHz   | 635              |
|  | More than 28 MHz but not more than 56 MHz   | 955              |
| 31.000-31.800 GHz  | Not more than 56 MHz                        | 720              |
|  | More than 56 MHz but not more than 140 MHz  | 885              |
|  | More than 140 MHz but not more than 250MHz  | 1,030            |
|  | More than 250 MHz but not more than 280 MHz | 1,155            |
| 37.000-39.500 GHz  | Not more than 3.5 MHz                       | 190              |
|  | More than 3.5 MHz but not more than 7 MHz   | 250              |
|  | More than 7 MHz but not more than 14 MHz    | 390              |
|  | More than 14 MHz but not more than 28 MHz   | 500              |
|  | More than 28 MHz but not more than 56 MHz   | 750              |
| 48.500-50.200 GHz  | Not more than 28 MHz                        | 220              |
| 51.400-52.660 GHz  | Not more than 56 MHz                        | 220              |
| 55.780-57.000 GHz  | Not more than 56 MHz                        | 220              |