



Commission for
Communications Regulation

Information Notice

Application of Rates to the Number Translation Code Market

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Contents

1 Foreword [by the Chairperson]2

2 Introduction3

Appendix A The Methodology behind the new rates applied4

Appendix B – Interim Rates applicable.....5

1 Foreword [by the Chairperson]

Further to the publication by the office of Decision D3/04 where eircom were directed to implement a new charging regime in relation to NTC retention and settlement rates for call cases as set out in the Decision Notice from the 1st March 2004, eircom have submitted as required these new proposed rates which are based on call data requested from OAO's for a selected period. These calculations have been agreed by ComReg to be appropriate until such time as the process to agree the charging methodology is finalised by industry. In the event that the final solution is not materially different to the rates set out in Appendix B, retrospection will not be applied to these rates and they will be accepted as final for this period and retrospectively applied back to the 1st March 2004.

John Doherty
Chairperson.

2 Introduction

Decision Notice D3/04 required *eircom* to present submissions for NTC retention and settlement rates for certain CPS originated calls. D3/04 required new charging arrangements to become effective from 1st March 2004. *eircom* has calculated new rates by deriving a weighted average retention rate for each CPSO, based on both their particular mix of direct and indirect traffic, and their average call origination costs. The methodology to be used on an ongoing basis is to be determined by ComReg and industry shortly. When this has been done new rates will be set based on the new agreed methodology. It is intended that the rates included in this notice will not be adjusted retrospectively unless material differences arise.

To aid CPSOs' business planning and modelling activities in the interim period, these new rates are contained in Appendix B. It should be noted that these rates were calculated on an individual operator basis and, under this methodology, only one retention rate per operator exists for both direct and indirect access calls from CPSO's to NTC's. The underlying "deemed to be" retention rates used in these calculations are those due to be implemented by Industry from 1st May 2004. It should however be noted that any interim retrospective payment would be calculated based on the "deemed to be" retention rate that was in place at that particular time.

Appendix A The Methodology behind the new rates applied

Set out below is the methodology behind the development of the CPSO retention and settlement rates as follows:

- Obtain call origination (minutes, calls and charges) data per CPSO from *eircom*'s billing records for the period October- December 2003.(Retrospection calculations will be made based on actual volumes for March to September 2004.)
- Determine the average per minute call origination rate per CPSO for the relevant period
- Determine the average per call call origination rate per CPSO for the relevant period
- Develop a CPSO Factor for CPSO retention both on a per min and per call basis (Multiply % of indirect traffic by blended call origination rates).
- Indirect traffic percentage will be supplied by CPSO's to *eircom*. For CPSO's who chose not to supply this information to *eircom*, approximations will be made on the % of traffic originating from indirectly connected customers taking into account if these operators had geographic number allocations and have signed RIO service schedules for geographic number portability.

The CPSO Factor will be added to the "deemed to be" NTC retention rates for all NTC services to calculate the retention rate per CPSO

Appendix B – Interim Rates applicable

| Rententions | | | |
|-------------|------|------|------|
| Colt | | | |
| Service | P | O | W |
| 1520 | 2.77 | 1.49 | 1.70 |
| 1530 | 3.16 | 1.88 | 2.09 |
| 1540* | 4.31 | 3.02 | 2.62 |
| 1550 | 3.65 | 2.93 | 2.86 |
| 1560 | 4.29 | 3.55 | 3.55 |
| 1570 | 5.23 | 4.59 | 4.51 |
| 1580 | 6.34 | 5.83 | 5.79 |
| 1590 | 7.42 | 6.90 | 6.87 |
| 1512* | 3.54 | 2.38 | 2.16 |
| 1513* | 4.29 | 3.13 | 2.92 |
| 1514* | 4.62 | 3.46 | 3.24 |
| 1515* | 5.15 | 3.99 | 3.78 |
| 1516* | 6.23 | 5.07 | 4.85 |
| 1517* | 7.30 | 6.14 | 5.93 |
| 1518* | 9.45 | 8.29 | 8.07 |
| 1800 | 1.49 | 0.75 | 0.75 |
| 1850* | 3.80 | 2.25 | 1.89 |
| 1890 | 1.03 | 0.53 | 0.49 |
| 0700 | 1.57 | 1.44 | 2.68 |
| 0818 | 1.40 | 0.88 | 0.80 |

| Settlements | | | |
|-------------|--------|--------|--------|
| Colt | | | |
| Service | P | O | W |
| 1520 | 9.63 | 10.91 | 10.70 |
| 1530 | 24.12 | 25.40 | 25.19 |
| 1540* | 43.94 | 45.23 | 45.63 |
| 1550 | 74.86 | 75.58 | 75.65 |
| 1560 | 99.01 | 99.75 | 99.76 |
| 1570 | 139.40 | 140.04 | 140.12 |
| 1580 | 192.00 | 192.52 | 192.56 |
| 1590 | 232.25 | 232.77 | 232.80 |
| 1512* | 17.12 | 18.28 | 18.50 |
| 1513* | 45.29 | 46.45 | 46.67 |
| 1514* | 57.37 | 58.53 | 58.74 |
| 1515* | 77.49 | 78.65 | 78.87 |
| 1516* | 117.74 | 118.90 | 119.12 |
| 1517* | 157.99 | 159.15 | 159.36 |
| 1518* | 238.48 | 239.64 | 239.86 |
| 1800 | -1.49 | -0.75 | -0.75 |
| 1850* | 1.45 | 2.99 | 3.36 |
| 1890 | 3.02 | 0.63 | 0.64 |
| 0700 | 6.60 | 6.31 | 8.96 |
| 0818 | 5.47 | 3.77 | 3.65 |

* PerCall
All Rates in Cent

| Rententions | | | |
|-------------|------|------|------|
| Esat | | | |
| Service | P | O | W |
| 1520 | 2.71 | 1.43 | 1.64 |
| 1530 | 3.10 | 1.82 | 2.03 |
| 1540* | 4.11 | 3.18 | 2.75 |
| 1550 | 3.60 | 2.87 | 2.80 |
| 1560 | 4.24 | 3.50 | 3.49 |
| 1570 | 5.17 | 4.54 | 4.45 |
| 1580 | 6.29 | 5.77 | 5.73 |
| 1590 | 7.36 | 6.84 | 6.81 |
| 1512* | 3.35 | 2.53 | 2.29 |
| 1513* | 4.10 | 3.29 | 3.04 |
| 1514* | 4.42 | 3.61 | 3.36 |
| 1515* | 4.96 | 4.14 | 3.90 |
| 1516* | 6.03 | 5.22 | 4.98 |
| 1517* | 7.11 | 6.29 | 6.05 |
| 1518* | 9.26 | 8.44 | 8.20 |
| 1800 | 1.43 | 0.70 | 0.70 |
| 1850* | 3.60 | 2.40 | 2.02 |
| 1890 | 0.97 | 0.47 | 0.43 |
| 0700 | 1.51 | 1.38 | 2.63 |
| 0818 | 1.34 | 0.82 | 0.74 |

| Settlements | | | |
|-------------|--------|--------|--------|
| Esat | | | |
| Service | P | O | W |
| 1520 | 9.68 | 10.96 | 10.75 |
| 1530 | 24.17 | 25.45 | 25.24 |
| 1540* | 44.14 | 45.07 | 45.50 |
| 1550 | 74.92 | 75.64 | 75.71 |
| 1560 | 99.07 | 99.81 | 99.81 |
| 1570 | 139.46 | 140.09 | 140.18 |
| 1580 | 192.06 | 192.58 | 192.61 |
| 1590 | 232.31 | 232.83 | 232.86 |
| 1512* | 17.31 | 18.13 | 18.37 |
| 1513* | 45.49 | 46.30 | 46.54 |
| 1514* | 57.56 | 58.38 | 58.62 |
| 1515* | 77.68 | 78.50 | 78.74 |
| 1516* | 117.93 | 118.75 | 118.99 |
| 1517* | 158.18 | 159.00 | 159.24 |
| 1518* | 238.68 | 239.49 | 239.73 |
| 1800 | -1.43 | -0.70 | -0.70 |
| 1850* | 1.65 | 2.84 | 3.23 |
| 1890 | 3.08 | 0.69 | 0.70 |
| 0700 | 6.66 | 6.36 | 9.02 |
| 0818 | 5.52 | 3.82 | 3.70 |

* PerCall
All Rates in Cent

Application of Retention Rates in the Number Translation Code Market

| Rententions | | | |
|-------------|-------|------|------|
| Access | | | |
| Service | P | O | W |
| 1520 | 3.11 | 1.61 | 1.82 |
| 1530 | 3.49 | 2.00 | 2.21 |
| 1540* | 4.91 | 3.63 | 3.09 |
| 1550 | 3.99 | 3.05 | 2.98 |
| 1560 | 4.63 | 3.67 | 3.67 |
| 1570 | 5.57 | 4.71 | 4.63 |
| 1580 | 6.68 | 5.95 | 5.91 |
| 1590 | 7.75 | 7.02 | 6.99 |
| 1512* | 4.15 | 2.98 | 2.63 |
| 1513* | 4.90 | 3.73 | 3.38 |
| 1514* | 5.22 | 4.06 | 3.71 |
| 1515* | 5.76 | 4.59 | 4.24 |
| 1516* | 6.83 | 5.67 | 5.32 |
| 1517* | 7.91 | 6.74 | 6.39 |
| 1518* | 10.06 | 8.89 | 8.54 |
| 1800 | 1.83 | 0.88 | 0.88 |
| 1850* | 4.40 | 2.85 | 2.36 |
| 1890 | 1.37 | 0.65 | 0.61 |
| 0700 | 1.90 | 1.56 | 2.80 |
| 0818 | 1.73 | 1.00 | 0.92 |

| Settlements | | | |
|-------------|--------|--------|--------|
| Access | | | |
| Service | P | O | W |
| 1520 | 9.29 | 10.79 | 10.58 |
| 1530 | 23.78 | 25.28 | 25.07 |
| 1540* | 43.34 | 44.62 | 45.16 |
| 1550 | 74.52 | 75.46 | 75.53 |
| 1560 | 98.68 | 99.63 | 99.64 |
| 1570 | 139.06 | 139.92 | 140.00 |
| 1580 | 191.67 | 192.40 | 192.43 |
| 1590 | 231.92 | 232.65 | 232.68 |
| 1512* | 16.51 | 17.68 | 18.03 |
| 1513* | 44.69 | 45.85 | 46.20 |
| 1514* | 56.76 | 57.93 | 58.28 |
| 1515* | 76.88 | 78.05 | 78.40 |
| 1516* | 117.13 | 118.30 | 118.65 |
| 1517* | 157.38 | 158.55 | 158.90 |
| 1518* | 237.88 | 239.04 | 239.39 |
| 1800 | -1.83 | -0.88 | -0.88 |
| 1850* | 0.85 | 2.39 | 2.89 |
| 1890 | 2.69 | 0.51 | 0.52 |
| 0700 | 6.26 | 6.19 | 8.84 |
| 0818 | 5.13 | 3.64 | 3.53 |

* PerCall
All Rates in Cent

| Rententions | | | |
|-------------|------|------|------|
| NTL | | | |
| Service | P | O | W |
| 1520 | 2.74 | 1.44 | 1.64 |
| 1530 | 3.13 | 1.83 | 2.03 |
| 1540* | 4.21 | 3.10 | 2.81 |
| 1550 | 3.63 | 2.88 | 2.80 |
| 1560 | 4.27 | 3.51 | 3.49 |
| 1570 | 5.20 | 4.54 | 4.45 |
| 1580 | 6.32 | 5.78 | 5.73 |
| 1590 | 7.39 | 6.85 | 6.81 |
| 1512* | 3.44 | 2.46 | 2.35 |
| 1513* | 4.20 | 3.21 | 3.11 |
| 1514* | 4.52 | 3.53 | 3.43 |
| 1515* | 5.06 | 4.07 | 3.97 |
| 1516* | 6.13 | 5.14 | 5.04 |
| 1517* | 7.20 | 6.22 | 6.11 |
| 1518* | 9.35 | 8.37 | 8.26 |
| 1800 | 1.46 | 0.71 | 0.70 |
| 1850* | 3.70 | 2.33 | 2.08 |
| 1890 | 1.00 | 0.48 | 0.43 |
| 0700 | 1.54 | 1.39 | 2.63 |
| 0818 | 1.37 | 0.83 | 0.74 |

| Settlements | | | |
|-------------|--------|--------|--------|
| NTL | | | |
| Service | P | O | W |
| 1520 | 9.66 | 10.95 | 10.76 |
| 1530 | 24.14 | 25.44 | 25.24 |
| 1540* | 44.04 | 45.15 | 45.44 |
| 1550 | 74.89 | 75.63 | 75.71 |
| 1560 | 99.04 | 99.80 | 99.81 |
| 1570 | 139.43 | 140.08 | 140.18 |
| 1580 | 192.03 | 192.57 | 192.61 |
| 1590 | 232.28 | 232.82 | 232.86 |
| 1512* | 17.22 | 18.20 | 18.31 |
| 1513* | 45.39 | 46.38 | 46.48 |
| 1514* | 57.46 | 58.45 | 58.56 |
| 1515* | 77.59 | 78.58 | 78.68 |
| 1516* | 117.84 | 118.82 | 118.93 |
| 1517* | 158.08 | 159.07 | 159.18 |
| 1518* | 238.58 | 239.57 | 239.67 |
| 1800 | -1.46 | -0.71 | -0.70 |
| 1850* | 1.55 | 2.91 | 3.17 |
| 1890 | 3.05 | 0.68 | 0.70 |
| 0700 | 6.63 | 6.35 | 9.02 |
| 0818 | 5.49 | 3.81 | 3.71 |

* PerCall
All Rates in Cent

Application of Retention Rates in the Number Translation Code Market

| Retentions | | | |
|------------|-------|------|------|
| Ocean | | | |
| Service | P | O | W |
| 1520 | 3.44 | 1.74 | 2.12 |
| 1530 | 3.83 | 2.13 | 2.50 |
| 1540* | 5.13 | 3.68 | 2.96 |
| 1550 | 4.33 | 3.18 | 3.28 |
| 1560 | 4.97 | 3.81 | 3.97 |
| 1570 | 5.90 | 4.84 | 4.93 |
| 1580 | 7.02 | 6.08 | 6.21 |
| 1590 | 8.09 | 7.15 | 7.28 |
| 1512* | 4.36 | 3.04 | 2.50 |
| 1513* | 5.11 | 3.79 | 3.26 |
| 1514* | 5.44 | 4.11 | 3.58 |
| 1515* | 5.97 | 4.65 | 4.11 |
| 1516* | 7.05 | 5.73 | 5.19 |
| 1517* | 8.12 | 6.80 | 6.26 |
| 1518* | 10.27 | 8.95 | 8.41 |
| 1800 | 2.16 | 1.01 | 1.17 |
| 1850* | 4.62 | 2.91 | 2.23 |
| 1890 | 1.70 | 0.78 | 0.91 |
| 0700 | 2.24 | 1.69 | 3.10 |
| 0818 | 2.07 | 1.13 | 1.21 |

| Settlements | | | |
|-------------|--------|--------|--------|
| Ocean | | | |
| Service | P | O | W |
| 1520 | 8.95 | 10.66 | 10.28 |
| 1530 | 23.44 | 25.14 | 24.77 |
| 1540* | 43.12 | 44.57 | 45.29 |
| 1550 | 74.19 | 75.33 | 75.24 |
| 1560 | 98.34 | 99.50 | 99.34 |
| 1570 | 138.72 | 139.78 | 139.70 |
| 1580 | 191.33 | 192.27 | 192.14 |
| 1590 | 231.58 | 232.52 | 232.39 |
| 1512* | 16.30 | 17.62 | 18.16 |
| 1513* | 44.47 | 45.80 | 46.33 |
| 1514* | 56.55 | 57.87 | 58.41 |
| 1515* | 76.67 | 77.99 | 78.53 |
| 1516* | 116.92 | 118.24 | 118.78 |
| 1517* | 157.17 | 158.49 | 159.03 |
| 1518* | 237.66 | 238.99 | 239.52 |
| 1800 | -2.16 | -1.01 | -1.17 |
| 1850* | 0.63 | 2.33 | 3.02 |
| 1890 | 2.35 | 0.38 | 0.22 |
| 0700 | 5.92 | 6.05 | 8.54 |
| 0818 | 4.79 | 3.51 | 3.23 |

* PerCall
All Rates in Cent

| Retentions | | | |
|------------|------|------|------|
| Chorus | | | |
| Service | P | O | W |
| 1520 | 2.81 | 1.49 | 1.70 |
| 1530 | 3.20 | 1.87 | 2.08 |
| 1540* | 4.38 | 3.34 | 2.87 |
| 1550 | 3.69 | 2.93 | 2.85 |
| 1560 | 4.33 | 3.55 | 3.54 |
| 1570 | 5.27 | 4.59 | 4.50 |
| 1580 | 6.38 | 5.82 | 5.79 |
| 1590 | 7.46 | 6.90 | 6.86 |
| 1512* | 3.62 | 2.70 | 2.41 |
| 1513* | 4.37 | 3.45 | 3.17 |
| 1514* | 4.69 | 3.77 | 3.49 |
| 1515* | 5.23 | 4.31 | 4.03 |
| 1516* | 6.30 | 5.38 | 5.10 |
| 1517* | 7.38 | 6.46 | 6.18 |
| 1518* | 9.53 | 8.61 | 8.32 |
| 1800 | 1.53 | 0.75 | 0.75 |
| 1850* | 3.87 | 2.57 | 2.14 |
| 1890 | 1.07 | 0.52 | 0.48 |
| 0700 | 1.61 | 1.43 | 2.68 |
| 0818 | 1.44 | 0.87 | 0.79 |

| Settlements | | | |
|-------------|--------|--------|--------|
| Chorus | | | |
| Service | P | O | W |
| 1520 | 9.59 | 10.91 | 10.70 |
| 1530 | 24.08 | 25.40 | 25.19 |
| 1540* | 43.87 | 44.91 | 45.38 |
| 1550 | 74.82 | 75.59 | 75.66 |
| 1560 | 98.97 | 99.75 | 99.76 |
| 1570 | 139.36 | 140.04 | 140.13 |
| 1580 | 191.96 | 192.52 | 192.56 |
| 1590 | 232.21 | 232.77 | 232.81 |
| 1512* | 17.04 | 17.96 | 18.25 |
| 1513* | 45.22 | 46.14 | 46.42 |
| 1514* | 57.29 | 58.21 | 58.49 |
| 1515* | 77.42 | 78.34 | 78.62 |
| 1516* | 117.66 | 118.58 | 118.87 |
| 1517* | 157.91 | 158.83 | 159.11 |
| 1518* | 238.41 | 239.33 | 239.61 |
| 1800 | -1.53 | -0.75 | -0.75 |
| 1850* | 1.38 | 2.67 | 3.11 |
| 1890 | 2.98 | 0.63 | 0.65 |
| 0700 | 6.56 | 6.31 | 8.96 |
| 0818 | 5.43 | 3.77 | 3.65 |

* PerCall
All Rates in Cent

Application of Retention Rates in the Number Translation Code Market

| Retentions | | | |
|------------|-------|-------|------|
| Smart | | | |
| Service | P | O | W |
| 1520 | 3.52 | 1.82 | 2.01 |
| 1530 | 3.91 | 2.21 | 2.40 |
| 1540* | 6.21 | 4.84 | 3.99 |
| 1550 | 4.40 | 3.26 | 3.17 |
| 1560 | 5.04 | 3.89 | 3.86 |
| 1570 | 5.98 | 4.92 | 4.82 |
| 1580 | 7.09 | 6.16 | 6.10 |
| 1590 | 8.17 | 7.23 | 7.18 |
| 1512* | 5.44 | 4.20 | 3.53 |
| 1513* | 6.20 | 4.95 | 4.28 |
| 1514* | 6.52 | 5.27 | 4.61 |
| 1515* | 7.06 | 5.81 | 5.14 |
| 1516* | 8.13 | 6.88 | 6.22 |
| 1517* | 9.21 | 7.96 | 7.29 |
| 1518* | 11.35 | 10.11 | 9.44 |
| 1800 | 2.24 | 1.09 | 1.07 |
| 1850* | 5.70 | 4.07 | 3.26 |
| 1890 | 1.78 | 0.86 | 0.80 |
| 0700 | 2.32 | 1.77 | 3.00 |
| 0818 | 2.15 | 1.21 | 1.11 |

| Settlements | | | |
|-------------|--------|--------|--------|
| Smart | | | |
| Service | P | O | W |
| 1520 | 8.88 | 10.58 | 10.38 |
| 1530 | 23.37 | 25.07 | 24.87 |
| 1540* | 42.04 | 43.41 | 44.26 |
| 1550 | 74.11 | 75.25 | 75.34 |
| 1560 | 98.26 | 99.42 | 99.44 |
| 1570 | 138.65 | 139.70 | 139.81 |
| 1580 | 191.25 | 192.19 | 192.24 |
| 1590 | 231.50 | 232.44 | 232.49 |
| 1512* | 15.22 | 16.46 | 17.13 |
| 1513* | 43.39 | 44.64 | 45.30 |
| 1514* | 55.46 | 56.71 | 57.38 |
| 1515* | 75.59 | 76.84 | 77.50 |
| 1516* | 115.84 | 117.08 | 117.75 |
| 1517* | 156.08 | 157.33 | 158.00 |
| 1518* | 236.58 | 237.83 | 238.49 |
| 1800 | -2.24 | -1.09 | -1.07 |
| 1850* | -0.45 | 1.17 | 1.99 |
| 1890 | 2.27 | 0.30 | 0.33 |
| 0700 | 5.85 | 5.97 | 8.65 |
| 0818 | 4.72 | 3.43 | 3.33 |

* PerCall
All Rates in Cent

| Retentions | | | |
|------------|-------|-------|-------|
| Enerjis | | | |
| Service | P | O | W |
| 1520 | 3.40 | 1.72 | 1.91 |
| 1530 | 3.79 | 2.11 | 2.29 |
| 1540* | 6.16 | 6.53 | 5.28 |
| 1550 | 4.29 | 3.16 | 3.07 |
| 1560 | 4.93 | 3.79 | 3.76 |
| 1570 | 5.86 | 4.82 | 4.72 |
| 1580 | 6.98 | 6.06 | 6.00 |
| 1590 | 8.05 | 7.13 | 7.07 |
| 1512* | 5.39 | 5.89 | 4.83 |
| 1513* | 6.15 | 6.64 | 5.58 |
| 1514* | 6.47 | 6.97 | 5.90 |
| 1515* | 7.01 | 7.50 | 6.44 |
| 1516* | 8.08 | 8.58 | 7.51 |
| 1517* | 9.15 | 9.65 | 8.59 |
| 1518* | 11.30 | 11.80 | 10.74 |
| 1800 | 2.13 | 0.99 | 0.96 |
| 1850* | 5.65 | 5.76 | 4.55 |
| 1890 | 1.66 | 0.76 | 0.70 |
| 0700 | 2.20 | 1.67 | 2.89 |
| 0818 | 2.03 | 1.11 | 1.01 |

| Settlements | | | |
|-------------|--------|--------|--------|
| Enerjis | | | |
| Service | P | O | W |
| 1520 | 8.99 | 10.68 | 10.49 |
| 1530 | 23.48 | 25.17 | 24.98 |
| 1540* | 42.09 | 41.72 | 42.97 |
| 1550 | 74.23 | 75.35 | 75.45 |
| 1560 | 98.38 | 99.52 | 99.55 |
| 1570 | 138.76 | 139.80 | 139.91 |
| 1580 | 191.37 | 192.29 | 192.35 |
| 1590 | 231.62 | 232.54 | 232.60 |
| 1512* | 15.27 | 14.77 | 15.83 |
| 1513* | 43.44 | 42.94 | 44.01 |
| 1514* | 55.51 | 55.02 | 56.08 |
| 1515* | 75.64 | 75.14 | 76.21 |
| 1516* | 115.89 | 115.39 | 116.45 |
| 1517* | 156.13 | 155.64 | 156.70 |
| 1518* | 236.63 | 236.13 | 237.20 |
| 1800 | -2.13 | -0.99 | -0.96 |
| 1850* | -0.40 | -0.52 | 0.70 |
| 1890 | 2.39 | 0.40 | 0.43 |
| 0700 | 5.96 | 6.07 | 8.75 |
| 0818 | 4.83 | 3.53 | 3.44 |

* PerCall
All Rates in Cent

Application of Retention Rates in the Number Translation Code Market

| Rententions | | | |
|-------------|-------|-------|-------|
| Swiftcall | | | |
| Service | P | O | W |
| 1520 | 3.35 | 1.77 | 1.94 |
| 1530 | 3.73 | 2.16 | 2.33 |
| 1540* | 6.97 | 5.30 | 4.78 |
| 1550 | 4.23 | 3.21 | 3.10 |
| 1560 | 4.87 | 3.84 | 3.79 |
| 1570 | 5.81 | 4.88 | 4.75 |
| 1580 | 6.92 | 6.11 | 6.03 |
| 1590 | 7.99 | 7.18 | 7.11 |
| 1512* | 6.21 | 4.66 | 4.32 |
| 1513* | 6.96 | 5.41 | 5.07 |
| 1514* | 7.28 | 5.73 | 5.39 |
| 1515* | 7.82 | 6.27 | 5.93 |
| 1516* | 8.90 | 7.34 | 7.01 |
| 1517* | 9.97 | 8.42 | 8.08 |
| 1518* | 12.12 | 10.57 | 10.23 |
| 1800 | 2.07 | 1.04 | 1.00 |
| 1850* | 6.47 | 4.53 | 4.05 |
| 1890 | 1.61 | 0.81 | 0.73 |
| 0700 | 2.14 | 1.72 | 2.93 |
| 0818 | 1.97 | 1.16 | 1.04 |

| Settlements | | | |
|-------------|--------|--------|--------|
| Swiftcall | | | |
| Service | P | O | W |
| 1520 | 9.05 | 10.62 | 10.45 |
| 1530 | 23.54 | 25.11 | 24.94 |
| 1540* | 41.28 | 42.95 | 43.47 |
| 1550 | 74.28 | 75.30 | 75.41 |
| 1560 | 98.44 | 99.47 | 99.51 |
| 1570 | 138.82 | 139.75 | 139.88 |
| 1580 | 191.43 | 192.24 | 192.31 |
| 1590 | 231.68 | 232.48 | 232.56 |
| 1512* | 14.45 | 16.00 | 16.34 |
| 1513* | 42.62 | 44.18 | 44.52 |
| 1514* | 54.70 | 56.25 | 56.59 |
| 1515* | 74.82 | 76.38 | 76.71 |
| 1516* | 115.07 | 116.62 | 116.96 |
| 1517* | 155.32 | 156.87 | 157.21 |
| 1518* | 235.81 | 237.37 | 237.71 |
| 1800 | -2.07 | -1.04 | -1.00 |
| 1850* | -1.22 | 0.71 | 1.20 |
| 1890 | 2.45 | 0.35 | 0.40 |
| 0700 | 6.02 | 6.02 | 8.72 |
| 0818 | 4.89 | 3.48 | 3.41 |

* PerCall
All Rates in Cent

| Rententions | | | |
|-------------|-------|-------|-------|
| Vartec | | | |
| Service | P | O | W |
| 1520 | 3.37 | 1.76 | 1.95 |
| 1530 | 3.76 | 2.15 | 2.33 |
| 1540* | 6.86 | 5.57 | 4.69 |
| 1550 | 4.25 | 3.20 | 3.11 |
| 1560 | 4.89 | 3.83 | 3.80 |
| 1570 | 5.83 | 4.87 | 4.75 |
| 1580 | 6.94 | 6.10 | 6.04 |
| 1590 | 8.02 | 7.18 | 7.11 |
| 1512* | 6.09 | 4.93 | 4.23 |
| 1513* | 6.84 | 5.68 | 4.98 |
| 1514* | 7.17 | 6.00 | 5.31 |
| 1515* | 7.70 | 6.54 | 5.84 |
| 1516* | 8.78 | 7.61 | 6.92 |
| 1517* | 9.85 | 8.69 | 7.99 |
| 1518* | 12.00 | 10.84 | 10.14 |
| 1800 | 2.09 | 1.03 | 1.00 |
| 1850* | 6.35 | 4.80 | 3.96 |
| 1890 | 1.63 | 0.80 | 0.73 |
| 0700 | 2.17 | 1.71 | 2.93 |
| 0818 | 2.00 | 1.15 | 1.04 |

| Settlements | | | |
|-------------|--------|--------|--------|
| Vartec | | | |
| Service | P | O | W |
| 1520 | 9.03 | 10.63 | 10.45 |
| 1530 | 23.52 | 25.12 | 24.94 |
| 1540* | 41.39 | 42.68 | 43.56 |
| 1550 | 74.26 | 75.31 | 75.41 |
| 1560 | 98.41 | 99.48 | 99.51 |
| 1570 | 138.80 | 139.76 | 139.87 |
| 1580 | 191.40 | 192.25 | 192.31 |
| 1590 | 231.65 | 232.49 | 232.56 |
| 1512* | 14.57 | 15.73 | 16.43 |
| 1513* | 42.74 | 43.91 | 44.60 |
| 1514* | 54.82 | 55.98 | 56.68 |
| 1515* | 74.94 | 76.10 | 76.80 |
| 1516* | 115.19 | 116.35 | 117.05 |
| 1517* | 155.44 | 156.60 | 157.30 |
| 1518* | 235.93 | 237.10 | 237.79 |
| 1800 | -2.09 | -1.03 | -1.00 |
| 1850* | -1.10 | 0.44 | 1.29 |
| 1890 | 2.42 | 0.36 | 0.39 |
| 0700 | 6.00 | 6.03 | 8.71 |
| 0818 | 4.87 | 3.49 | 3.40 |

* PerCall
All Rates in Cent

Application of Retention Rates in the Number Translation Code Market

| Retentions | | | |
|------------|-------|------|------|
| MCI | | | |
| Service | P | O | W |
| 1520 | 3.34 | 1.75 | 1.95 |
| 1530 | 3.73 | 2.13 | 2.33 |
| 1540* | 5.31 | 4.02 | 3.42 |
| 1550 | 4.23 | 3.19 | 3.11 |
| 1560 | 4.87 | 3.81 | 3.80 |
| 1570 | 5.80 | 4.85 | 4.75 |
| 1580 | 6.92 | 6.08 | 6.04 |
| 1590 | 7.99 | 7.16 | 7.11 |
| 1512* | 4.54 | 3.37 | 2.97 |
| 1513* | 5.29 | 4.13 | 3.72 |
| 1514* | 5.62 | 4.45 | 4.04 |
| 1515* | 6.15 | 4.99 | 4.58 |
| 1516* | 7.23 | 6.06 | 5.65 |
| 1517* | 8.30 | 7.13 | 6.73 |
| 1518* | 10.45 | 9.28 | 8.87 |
| 1800 | 2.06 | 1.01 | 1.00 |
| 1850* | 4.80 | 3.24 | 2.69 |
| 1890 | 1.60 | 0.78 | 0.73 |
| 0700 | 2.14 | 1.69 | 2.93 |
| 0818 | 1.97 | 1.13 | 1.04 |

| Settlements | | | |
|-------------|--------|--------|--------|
| MCI | | | |
| Service | P | O | W |
| 1520 | 9.05 | 10.65 | 10.45 |
| 1530 | 23.54 | 25.14 | 24.94 |
| 1540* | 42.94 | 44.23 | 44.83 |
| 1550 | 74.29 | 75.33 | 75.41 |
| 1560 | 98.44 | 99.49 | 99.51 |
| 1570 | 138.82 | 139.78 | 139.87 |
| 1580 | 191.43 | 192.26 | 192.31 |
| 1590 | 231.68 | 232.51 | 232.56 |
| 1512* | 16.12 | 17.29 | 17.70 |
| 1513* | 44.29 | 45.46 | 45.87 |
| 1514* | 56.37 | 57.54 | 57.94 |
| 1515* | 76.49 | 77.66 | 78.07 |
| 1516* | 116.74 | 117.91 | 118.32 |
| 1517* | 156.99 | 158.15 | 158.56 |
| 1518* | 237.48 | 238.65 | 239.06 |
| 1800 | -2.06 | -1.01 | -1.00 |
| 1850* | 0.45 | 2.00 | 2.56 |
| 1890 | 2.45 | 0.38 | 0.39 |
| 0700 | 6.02 | 6.05 | 8.71 |
| 0818 | 4.89 | 3.51 | 3.40 |

* PerCall
All Rates in Cent

| Retentions | | | |
|------------|------|------|------|
| Talkshop | | | |
| Service | P | O | W |
| 1520 | 2.71 | 1.43 | 1.64 |
| 1530 | 3.10 | 1.82 | 2.03 |
| 1540* | 4.27 | 3.08 | 2.60 |
| 1550 | 3.60 | 2.87 | 2.80 |
| 1560 | 4.24 | 3.50 | 3.49 |
| 1570 | 5.17 | 4.54 | 4.45 |
| 1580 | 6.29 | 5.77 | 5.73 |
| 1590 | 7.36 | 6.84 | 6.81 |
| 1512* | 3.51 | 2.44 | 2.15 |
| 1513* | 4.26 | 3.19 | 2.90 |
| 1514* | 4.58 | 3.51 | 3.22 |
| 1515* | 5.12 | 4.05 | 3.76 |
| 1516* | 6.19 | 5.13 | 4.83 |
| 1517* | 7.27 | 6.20 | 5.91 |
| 1518* | 9.42 | 8.35 | 8.05 |
| 1800 | 1.43 | 0.70 | 0.70 |
| 1850* | 3.76 | 2.31 | 1.87 |
| 1890 | 0.97 | 0.47 | 0.43 |
| 0700 | 1.51 | 1.38 | 2.63 |
| 0818 | 1.34 | 0.82 | 0.74 |

| Settlements | | | |
|-------------|--------|--------|--------|
| Talkshop | | | |
| Service | P | O | W |
| 1520 | 9.68 | 10.96 | 10.75 |
| 1530 | 24.17 | 25.45 | 25.24 |
| 1540* | 43.98 | 45.17 | 45.65 |
| 1550 | 74.92 | 75.64 | 75.71 |
| 1560 | 99.07 | 99.81 | 99.81 |
| 1570 | 139.46 | 140.09 | 140.18 |
| 1580 | 192.06 | 192.58 | 192.61 |
| 1590 | 232.31 | 232.83 | 232.86 |
| 1512* | 17.15 | 18.22 | 18.52 |
| 1513* | 45.33 | 46.39 | 46.69 |
| 1514* | 57.40 | 58.47 | 58.76 |
| 1515* | 77.53 | 78.59 | 78.89 |
| 1516* | 117.77 | 118.84 | 119.14 |
| 1517* | 158.02 | 159.09 | 159.38 |
| 1518* | 238.52 | 239.58 | 239.88 |
| 1800 | -1.43 | -0.70 | -0.70 |
| 1850* | 1.49 | 2.93 | 3.38 |
| 1890 | 3.08 | 0.69 | 0.70 |
| 0700 | 6.66 | 6.36 | 9.02 |
| 0818 | 5.52 | 3.82 | 3.70 |

* PerCall
All Rates in Cent

Application of Retention Rates in the Number Translation Code Market

| Rententions | | | |
|-------------|------|------|------|
| Opera | | | |
| Service | P | O | W |
| 1520 | 2.71 | 1.43 | 1.64 |
| 1530 | 3.10 | 1.82 | 2.03 |
| 1540* | 4.27 | 3.08 | 2.60 |
| 1550 | 3.60 | 2.87 | 2.80 |
| 1560 | 4.24 | 3.50 | 3.49 |
| 1570 | 5.17 | 4.54 | 4.45 |
| 1580 | 6.29 | 5.77 | 5.73 |
| 1590 | 7.36 | 6.84 | 6.81 |
| 1512* | 3.51 | 2.44 | 2.15 |
| 1513* | 4.26 | 3.19 | 2.90 |
| 1514* | 4.58 | 3.51 | 3.22 |
| 1515* | 5.12 | 4.05 | 3.76 |
| 1516* | 6.19 | 5.13 | 4.83 |
| 1517* | 7.27 | 6.20 | 5.91 |
| 1518* | 9.42 | 8.35 | 8.05 |
| 1800 | 1.43 | 0.70 | 0.70 |
| 1850* | 3.76 | 2.31 | 1.87 |
| 1890 | 0.97 | 0.47 | 0.43 |
| 0700 | 1.51 | 1.38 | 2.63 |
| 0818 | 1.34 | 0.82 | 0.74 |

| Settlements | | | |
|-------------|--------|--------|--------|
| Opera | | | |
| Service | P | O | W |
| 1520 | 9.68 | 10.96 | 10.75 |
| 1530 | 24.17 | 25.45 | 25.24 |
| 1540* | 43.98 | 45.17 | 45.65 |
| 1550 | 74.92 | 75.64 | 75.71 |
| 1560 | 99.07 | 99.81 | 99.81 |
| 1570 | 139.46 | 140.09 | 140.18 |
| 1580 | 192.06 | 192.58 | 192.61 |
| 1590 | 232.31 | 232.83 | 232.86 |
| 1512* | 17.15 | 18.22 | 18.52 |
| 1513* | 45.33 | 46.39 | 46.69 |
| 1514* | 57.40 | 58.47 | 58.76 |
| 1515* | 77.53 | 78.59 | 78.89 |
| 1516* | 117.77 | 118.84 | 119.14 |
| 1517* | 158.02 | 159.09 | 159.38 |
| 1518* | 238.52 | 239.58 | 239.88 |
| 1800 | -1.43 | -0.70 | -0.70 |
| 1850* | 1.49 | 2.93 | 3.38 |
| 1890 | 3.08 | 0.69 | 0.70 |
| 0700 | 6.66 | 6.36 | 9.02 |
| 0818 | 5.52 | 3.82 | 3.70 |

* PerCall
All Rates in Cent

| Rententions | | | |
|-------------|------|------|------|
| Meteor | | | |
| Service | P | O | W |
| 1520 | 2.71 | 1.43 | 1.64 |
| 1530 | 3.10 | 1.82 | 2.03 |
| 1540* | 4.27 | 3.08 | 2.60 |
| 1550 | 3.60 | 2.87 | 2.80 |
| 1560 | 4.24 | 3.50 | 3.49 |
| 1570 | 5.17 | 4.54 | 4.45 |
| 1580 | 6.29 | 5.77 | 5.73 |
| 1590 | 7.36 | 6.84 | 6.81 |
| 1512* | 3.51 | 2.44 | 2.15 |
| 1513* | 4.26 | 3.19 | 2.90 |
| 1514* | 4.58 | 3.51 | 3.22 |
| 1515* | 5.12 | 4.05 | 3.76 |
| 1516* | 6.19 | 5.13 | 4.83 |
| 1517* | 7.27 | 6.20 | 5.91 |
| 1518* | 9.42 | 8.35 | 8.05 |
| 1800 | 1.43 | 0.70 | 0.70 |
| 1850* | 3.76 | 2.31 | 1.87 |
| 1890 | 0.97 | 0.47 | 0.43 |
| 0700 | 1.51 | 1.38 | 2.63 |
| 0818 | 1.34 | 0.82 | 0.74 |

| Settlements | | | |
|-------------|--------|--------|--------|
| Meteor | | | |
| Service | P | O | W |
| 1520 | 9.68 | 10.96 | 10.75 |
| 1530 | 24.17 | 25.45 | 25.24 |
| 1540* | 43.98 | 45.17 | 45.65 |
| 1550 | 74.92 | 75.64 | 75.71 |
| 1560 | 99.07 | 99.81 | 99.81 |
| 1570 | 139.46 | 140.09 | 140.18 |
| 1580 | 192.06 | 192.58 | 192.61 |
| 1590 | 232.31 | 232.83 | 232.86 |
| 1512* | 17.15 | 18.22 | 18.52 |
| 1513* | 45.33 | 46.39 | 46.69 |
| 1514* | 57.40 | 58.47 | 58.76 |
| 1515* | 77.53 | 78.59 | 78.89 |
| 1516* | 117.77 | 118.84 | 119.14 |
| 1517* | 158.02 | 159.09 | 159.38 |
| 1518* | 238.52 | 239.58 | 239.88 |
| 1800 | -1.43 | -0.70 | -0.70 |
| 1850* | 1.49 | 2.93 | 3.38 |
| 1890 | 3.08 | 0.69 | 0.70 |
| 0700 | 6.66 | 6.36 | 9.02 |
| 0818 | 5.52 | 3.82 | 3.70 |

* PerCall
All Rates in Cent