

TELECOMMUNICATIONS NUMBERING ADVISORY COMMITTEE

Calculation Method of Utilisation Rate of Mobile Numbers after the Launch of Mobile Number Portability

Introduction

Under the existing "Code of Practice Relating to the Use of Numbers and Codes in the Hong Kong Numbering Plan (Cap. 269)", section 2.2 of Appendix 1 has already defined the calculation method used by the Telecommunications Authority (TA) in calculating the utilisation rate of the number block(s)/code(s) already allocated to an operator.

2. Following the implementation of mobile number portability (MNP) in Hong Kong from 1 March 1999 onwards, it is necessary for the TA to revise the existing calculation method of the utilisation rate of mobile numbers such that all ported-in and ported-out numbers should also be taken into account.

Proposed Utilisation Rate Calculation Method for Mobile Numbers

3. The TA proposes to introduce the following calculation method in obtaining the mobile numbers utilisation rate for mobile service after the launch of the MNP -

$$\text{Utilisation Rate} = ((A + B + (C - D)) / (\text{Total number of originally allocated mobile numbers} + (C - D))) \times 100\%$$

Where A = Total number of originally allocated mobile numbers assigned to active customers at the time of application

B = Total number of originally allocated mobile numbers reserved for inactive customers for the last 6 months calculated from the date of application

C = Total number of ported-in mobile numbers at the time of application

D = Total number of ported-out mobile numbers at the time of application

"Originally allocated mobile numbers" means those mobile number blocks which had been allocated by the TA to a mobile network operator.

4. The above revised calculation method has taken into consideration the net number of portings (i.e. C minus D) within the mobile network.

Advice Sought

5. Members are invited to comment on the proposed calculation method of mobile numbers utilisation rate in paragraph 3 - 4 above.

Office of the Telecommunications Authority
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