

TELECOMMUNICATIONS NUMBERING ADVISORY COMMITTEE

Allocation of Additional Numbering Resources for Public Mobile Services

Purpose

This paper proposes the allocation of additional numbering resources for public mobile services in Hong Kong and seek the views and comments from Members of the Telecommunications Numbering Advisory Committee (TNAC).

Existing Numbering Resources for Public Mobile Services

2. At present, the number ranges “901-989” are allocated for public mobile services. The whole of “95” range has been reserved for future expansion to longer digit length for public mobile services and some of “9X9” number blocks are being reserved as special mobile number blocks. As of October 1998, there remain ten 100K number blocks at “97” and “98” levels (Annex 1). According to the existing growth rate of number of mobile subscribers, it is expected that these remaining mobile number blocks will be totally consumed and allocated to mobile network operators for their operation in about two to three months’ time. Therefore, there is an urgent need for the Telecommunications Authority (TA) to consider allocating additional numbering resources to cater for the growth and requirements of public mobile services.

Proposed Additional Numbering Resources for Public Mobile Services

3. Under the Hong Kong Numbering Plan, two number levels with the first leading digits “5” and “6” are entirely vacant and free for allocation. The TA considers that instead of now extending the mobile numbers from 8 digits to 9 digits long, it would be more appropriate to deploy additional numbering resources to public mobile services first. The TA proposes to allocate “601 - 699” for public mobile services such that there will be 9.9 million additional mobile numbers available which will be sufficient to cater for the future growth

and requirements of public mobile services. The whole of number level “5” will be reserved for the purpose of migrating the existing 8-digit numbering plan to a 9-digit one in future by simply inserting a digit “5” in front of the existing numbers. Similar to “700”, “800” and “900” levels, the “600” level will be reserved for some special services which will be determined later on. All “6x6” and “678” levels will be reserved as special mobile number blocks.

4. Following the above proposal, it will be no longer required to reserve the “95” level and it could be released back to the pool for use by mobile network operators before opening the “601 - 699” levels. The proposed allocation is given at Annex 2.

5. If the above proposal is acceptable, the TA will amend the Hong Kong Numbering Plan and the Code of Practice Relating to the Use of Numbers and Codes in the Hong Kong Numbering Plan (Cap. 269) accordingly. The TA will request all local network operators to programme and open the level “6” at their networks immediately for local access by customers. To facilitate international incoming access to the new mobile numbers, the external network operators will be required to advise their overseas carriers/counterparts to open the level “6” after Hong Kong’s country code “852”. The Office of the Telecommunications Authority will also promulgate the new plan to overseas administrations and carriers through the International Telecommunication Union (ITU).

Advice Sought

6. Members of the TNAC are invited to give their views and comments on the above TA’s proposal given in para. 3 to 5.

Office of the Telecommunications Authority

2 November 1998

Existing Numbering Plan for Public Mobile Services

Leading Digit 9

Leading Digits	3rd Digit									
	0	1	2	3	4	5	6	7	8	9
90	Information Service	Mobile Telephone (GSM) (SmarTone)	Mobile Telephone (GSM) (HKTC SL)	Mobile Telephone (GSM) (HKTC SL)	Mobile Telephone (GSM) (Hutchison)	Mobile Telephone (D-AMPS) (HKTC SL)	Trunk Radio (ST Telecom)**1	Mobile Telephone (D-AMPS) (HKTC SL)	Mobile Telephone (D-AMPS) (HKTC SL)	Mobile Telephone (GSM) (HKTC SL)
91	Mobile Telephone (GSM) (HKTC SL)	Reserved	Mobile Telephone (GSM & CDMA) (Hutchison)	Mobile Telephone (GSM) (SmarTone)	Mobile Telephone (D-AMPS) (HKTC SL)	Mobile Telephone (GSM) (HKTC SL)	Mobile Telephone (GSM) (SmarTone)	Mobile Telephone (GSM) (SmarTone)	Mobile Telephone (pcs) (HKTC SL)	Mobile Telephone (GSM) (HKTC SL)
92	Mobile Telephone (pcs) (Peoples)	Mobile Telephone (pcs) (NW PCS)	Mobile Telephone (pcs) (SmarTone)	Mobile Telephone (pcs) (Mandarin)	Mobile Telephone (GSM) (SmarTone)**2	Mobile Telephone (pcs) (NW PCS)	Mobile Telephone (GSM) (HKTC SL)	Mobile Telephone (pcs) (Mandarin)	Mobile Telephone (pcs) (Hutchison)	Reserved as Special Numbers
93	Mobile Telephone (GSM) (HKTC SL)	Mobile Telephone (GSM) (SmarTone)	Mobile Telephone (GSM & CDMA) (Hutchison)	Mobile Telephone (D-AMPS) (HKTC SL)	Mobile Telephone (pcs) (Peoples)	Mobile Telephone (GSM & CDMA) (Hutchison)	Mobile Telephone (GSM & CDMA) (Hutchison)	Mobile Telephone (GSM & CDMA) (Hutchison)	Mobile Telephone (GSM) (SmarTone)	Reserved as Special Numbers
94	Mobile Telephone (GSM) (HKTC SL)	Mobile Telephone (GSM & CDMA) (Hutchison)	Mobile Telephone (GSM & CDMA) (Hutchison)	Mobile Telephone (GSM) (SmarTone)	Mobile Telephone (GSM) (SmarTone)**3	Mobile Telephone (GSM) (SmarTone)	Mobile Telephone (GSM) (HKTC SL)	Mobile Telephone (GSM & CDMA) (Hutchison)	Mobile Telephone (GSM & CDMA) (Hutchison)	Mobile Telephone (GSM & CDMA) (Hutchison)
95	Temporary Allocation for Mobile Number Portability Implementation Testing **4		Reserved (for future expansion to longer digit length)							
96	Mobile Telephone (pcs) (Peoples)	Mobile Telephone (GSM) (HKTC SL)	Mobile Telephone (pcs) (NW PCS)**5	Mobile Telephone (GSM & CDMA) (Hutchison)	Mobile Telephone (pcs) (Mandarin)	Mobile Telephone (pcs) (NW PCS)	Mobile Telephone (pcs) (SmarTone)**6	Mobile Telephone (GSM & CDMA) (Hutchison)	Mobile Telephone (GSM) (SmarTone)	Reserved as Special Numbers
97	Mobile Telephone (CDMA) (Hutchison)		Reserved for pcs (SmarTone)	Mobile Telephone (GSM) (SmarTone)	Mobile Telephone (pcs) (Hutchison)	Mobile Telephone (GSM) (Hutchison)	Mobile Telephone (GSM) (HKTC SL)**7	Mobile Telephone (pcs) (Mandarin)**8	Reserved (NW PCS)	Reserved as Special Numbers
98										Reserved as Special Numbers
99	Emergency routing code	Reserved	Emergency faxline	Emergency routing code	Reserved	Emergency routing code	Reserved	HKTC code	Reserved	Emergency

**1 ST Telecom 9060 xxxx **4 950(0-8) & 951(0-1) only **7 HKTC SL 976(0-4) xxxx
 - Spare block **2 SmarTone 924(0-4) xxxx **5 NW PCS 962(0-4) xxxx **8 Mandarin 977(5-9) xxxx
 **3 SmarTone 944(0-4) xxxx **6 SmarTone 966(0-4) xxxx

Proposed Numbering Plan for Public Mobile Services

Leading Digit 6

Leading Digits	3rd Digit									
	0	1	2	3	4	5	6	7	8	9
60	Reserved for Special Services						Reserved as Special Numbers			
61							Reserved as Special Numbers			
62							Reserved as Special Numbers			
63							Reserved as Special Numbers			
64							Reserved as Special Numbers			
65							Reserved as Special Numbers			
66							Reserved as Special Numbers			
67							Reserved as Special Numbers		Reserved as Special Numbers	
68							Reserved as Special Numbers			
69							Reserved as Special Numbers			

- Spare block