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29/F, Wu Chung House,
213 Queen's Road East
Wanchai, Hong Kong

[Attn.: Senior Telecommunications Controller (Competitive Services)]

By Fax : 2803 5112

Dear Sir,

Licensing Framework for Third Generation Mobile Services

I refer to the above consultative paper and am pleased to submit the following technology viewpoints, representing the Information Discipline of the HKIE, for TA consideration.

Since a WCDMA channel is of 5 MHz wide, a spectrum allocation of 10 MHz and 15 MHz will provide 2 channels and 3 channels respectively. It is possible to allocate the channels in a reuse pattern of 3, which will provide a better inter-cell interference pattern and therefore a better improvement in QoS and capacity. I consider an allocation of 15 MHz per (uplink and downlink) band is desirable.

In terms of creating competition the (marginal) difference between 4 and 6 operators should be very small. I would suggest that TA should give more consideration to the technical benefits.

Meanwhile, I shall lead a HKIE delegation which is going to visit Finland for a mission tour between June 20-26. I shall make the best endeavour to research into the Finland experiences in the 3G mobile licensing and shall submit any relevant findings to the TA as appropriate.

Yours sincerely,

(Ir Jolly WONG)
Chairman
Information Discipline Advisory Panel
The Hong Kong Institution of Engineers

c.c.: Ir P K Kwok - The Secretary and Director General, HKIE