Summary of Decisions of the Structural Engineering Committee
SEC 2/2004 held on 17.5.2004

(a) Case 3/2004

Issue : Proposed use of parameters for wind tunnel testing.

Recommendation : To accept an hourly-mean gradient velocity of 59.5m/s at a height of 500m for a 50-year return period be used in the proposed wind tunnel test for the determination of wind loads and other wind characteristics on the proposed extension and existing structure.

Decision : Noting that the background information and justification provided by the RSE were based on the most recent wind engineering research works on Hong Kong and an added safety margin was adopted in the recommended gradient wind velocity value, members endorsed the recommendation subject to the following :-

(a) Wind tunnel test to be carried out in accordance with PNAP 150 with the proposed revised parameters; and

(b) Site-specific topography model studies of wind speeds and turbulence properties to establish the wind profile are to be conducted.

(b) Case 4/2004

Issue : Proposed use of parameters for wind tunnel testing.

Recommendation : To accept an hourly-mean gradient velocity of 59.5m/s at a height of 500m for a 50-year return period be used in the proposed wind tunnel test for the determination of wind loads and other wind characteristics on the proposed building structure.

Decision : Noting that the background information and justification provided by the RSE were based on the most recent wind engineering research works on Hong Kong and an added safety margin was adopted in the recommended gradient wind velocity value, members endorsed the

recommendation subject to the following :-

(a) Wind tunnel test to be carried out in accordance with PNAP 150 with the proposed revised parameters; and

(b) Site-specific topography model studies of wind speeds and turbulence properties to establish the wind profile are to be conducted.