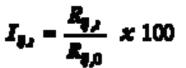**LASPEYRES METHODOLOGY IN COMPUTING WHOLESALE TRADE SALES INDEX AND RETAIL TRADE SALES INDEX**

A. Calculation of Index for the selected industry i of major industry

$$I_{i,t} = \frac{R_{i,t}}{R_{i,0}} \times 100$$

where

$I_{i,t}$ refers to the computed sales index for selected industry i at time t;

$R_{i,t}$ is the aggregated sales report of sample establishments for selected industry i at time t (current period);

$R_{i,0}$ is the aggregated sales report of sample establishments for selected industry i at time 0 (base period).

Example: Index (G52111) = $\dfrac{\text{Quarterly Sales Report for Q4 2008 (G52111)}}{\text{Base Period Quarterly Sales Report (G52111)}}$ x 100

     Index (G52112) = $\dfrac{\text{Quarterly Sales Report for Q4 2008 (G52112)}}{\text{Base Period Quarterly Sales Report (G52112)}}$ x 100

B. Calculation of the Weights

$$W_{i} = \frac{V_{i}}{V_{j}}$$

where

W_{i} is the relative share of selected industry i to the total sales value in the industry division of the sector

V_{i} is the total sales value of selected industry i

V_{j} is the total sales value of industry division of the sector

Example: Weight (G52111) = $\dfrac{\text{Total Sales (G52111)}}{\text{Total Sales (G52)}}$

Weight (G52112) = $\dfrac{\text{Total Sales (G52112)}}{\text{Total Sales (G52)}}$

Note: G52111 and G52112 are 5-digit PSIC codes of establishments

C. Calculation of Index for the Major Industry

$$I_{j,t} = \sum w_{ij} I_{ij,t}$$

$I_{j,t}$ refers to the index for the industry j at time t;

w_{ij} is the relative share of selected industry i to the total sales value in the industry division of the sector

$I_{ij,t}$ is the computed index for industry division i at time t

Example: Index (G52) = [weight (G52111) x Index (G52111)] +
                       [weight (G52112) x Index (G52112)] + …