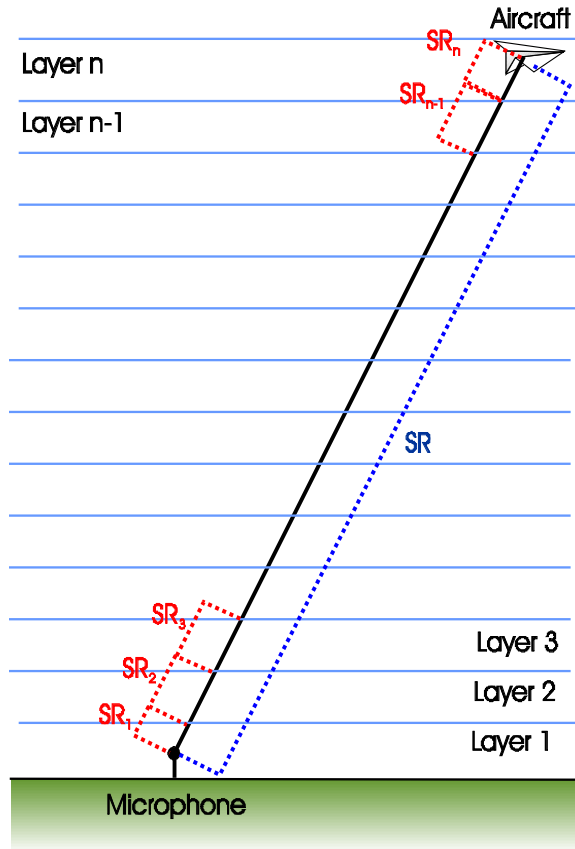


Proposed Changes – Meteorology: Layering (cont'd)



Proposed specifications for the process of determining the average alpha through the layers for each one-third octave band, based on the guidance in the Advisory Circular:

$$\alpha(i)_{\text{avg}} = \alpha(i)_1 * (SR_1 / SR) + \alpha(i)_2 * (SR_2 / SR) + \dots + \alpha(i)_n * (SR_n / SR)$$

$\alpha(i)_{\text{avg}}$: average alpha for band i

$\alpha(i)_1$: alpha for band i for layer 1

$\alpha(i)_2$: alpha for band i for layer 2

$\alpha(i)_n$: alpha for band i for layer n

SR : propagation distance between microphone and aircraft

SR_1 : portion of SR passing through Layer 1

SR_2 : portion of SR passing through Layer 2

SR_n : portion of SR passing through Layer n