

국내 항공기소음 평가방법과 외국 평가방법의 비교연구 A Study on the Comparison between Domestic and Foreign Evaluation Method of Aircraft noise

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Abstract : WECPNL (Weighted Equivalent Continuous Perceived Noise Level) which designated currently in Domestic "The Stanrd Method of Measuring Noise and Vibration" is composed of different factor with WECPNL that published in ICAO. Domestic WECPNL is concerned in application of L_{MAX} measurement. On the other hand, ICAO's WECPNL is based on EPNL that includes factors of the pure tone correction and the duration time. NNI and NEF also are each based on PNL and EPNL. Because a military aircraft noise, especially, has the pure tone of high frequency and the irregular duration, it seems to be undesirable to estimate aircraft noise for using Domestic WECPNL. Therefore, this study was performed to detect a flaw of Korean WECPNL, through comparison of the trend of each other aircraft noise index by using equivalent rawdata.