

旋翼機飛航組員疲勞因素分析-以陸軍飛行官為例

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摘要

Human factor is the key cause in affecting the flight safety, and then the flight fatigue stands a crucial part in the human factors. Tactical flight will facilitate the increase of fatigue due to the disturbed of physiological clock and sleeping-period. The operation of weapon and reconnaissance system en-route、unaided NVG flight、the umpteen take-off and landing exercise within the standard traffic pattern, all of these will guide to the result of mental and physiological fatigue. The study about flight fatigue around western countries has been over 10 years, but in Taiwan, it's still lacking the quantitative measures regarding to fatigue. So in order to find out the crux of flight fatigue, this study collected the literature about flight fatigue around the world on the beginning, and then interviewed the specialist for qualitative analysis. At the mean time, questionnaire the army helicopter pilots and analysis the fatigue cause from the flight crew. Then take the result as reference for making the strategy against the flight fatigue. Eventually find out the crux that affects flight crew's fatigue and provide it to the aviation troop as reference when they conduct missions、provide suggestions for pilots

and the troop to making the strategy against the flight fatigue. Also
advice the army
management unit to amend the relative rules and regulations, by thoroughly
understands
the flight fatigue, effectively uses the human resource to reduce the
effect of fatigue to
the flight safety.

關鍵字：Flight fatigue、Flight safety、Tactical flight、NVG flight