

IN Spis treści ON

INTRODUCTION	7
1. ANALYSIS OF ANTHROPOTECHNICS IN AIRCRAFT	13
1.1. Determinants creating the pilot (crew) – aircraft – environment system	13
1.2. Control system in the aircraft cabin	25
1.3. Factors stimulating the flight comfort of the pilot (crew)	31
2. THE DECISION-MAKING PROCESS OF THE PILOT (CREW) IN SAFETY FLIGHTS OF THE AIRCRAFT	37
2.1. Influence of the aircraft reliability on air operations	37
2.2. The aircraft survivability as the safety criterion of the pilot (crew)	45
2.3. Analysis of the anthropotechnical system stability	57
3. THE PROTECTION OF NATURAL ENVIRONMENT IN DESIGN OF ANTHROPOTECHNICAL SYSTEM	67
3.1. The influence of aircraft on natural environment	67
3.2. The Cyber-Physical System in aircraft manufacturing	70
3.3. The new perspective in the design of anthropotechnical system	74
4. THE EFFECTIVENESS OF SAFETY MANAGEMENT IN THE AVIATION TRANSPORT	79
4.1. The effectiveness in the aviation transport management	79
4.2. The safety management in modern design of aircraft	83
4.3. The aviation transport management to increase the aircraft safety	87
5. THE ORGANIZATIONAL APPLICATION OF KNOWLEDGE WITHIN THE ECONOMIC INDICATORS OF THE AIRCRAFT	91
5.1. The application of knowledge in safety of aircraft flights	91
5.2. The activities for increasing aircraft reliability	95
5.3. The economic assessment of the aircraft reliability – the case study	100
CONCLUSION	107
LITERATURE	109