

1. Record Nr.	UNINA9910715956903321
Autore	Lindner-Lunsford Juli B.
Titolo	Shallow ground water in the Powder River basin, northeastern Wyoming : description of selected publications, 1950-91, and indications for further study / / by J.B. Lindner-Lunsford and James F. Wilson
Pubbl/distr/stampa	Cheyenne, Wyoming : , : U.S. Geological Survey, , 1992
Descrizione fisica	1 online resource (iv, 71 pages) : illustrations, map
Collana	Water-resources investigations report ; ; 91-4067
Soggetti	Groundwater - Powder River Basin (Wyo. and Mont.) Groundwater - Research - Wyoming Groundwater Groundwater - Research Bibliographies. United States Powder River Basin Wyoming
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Prepared in cooperation with the U.S. Bureau of Land Management."
Nota di bibliografia	Includes bibliographical references (pages 17-19).

2. Record Nr.	UNINA9910829817503321
Autore	Campbell R. D
Titolo	Human performance and limitations in aviation [[electronic resource] /] / R.D. Campbell and M. Bagshaw
Pubbl/distr/stampa	Oxford ; ; Malden, MA, : Blackwell Science Ames, Iowa, : [US distributor] Iowa State University Press, 2002
ISBN	1-280-21373-6 9786610213733 0-470-70951-0 0-470-77447-9 1-4051-4734-2
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (208 p.)
Altri autori (Persone)	BagshawM (Michael)
Disciplina	616.980213 629.132/52 629.13252
Soggetti	Aeronautics - Human factors
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 187) and index.
Nota di contenuto	Contents; Preface; Part 1 Human Factors: Basic Concepts; 1 Human Factors in Aviation; 1.1 Competence and limitations; 1.2 Becoming a competent pilot; 1.3 Accident statistics; 1.4 Flight safety concepts; Part 2 Basic Aviation Physiology and Health Maintenance; 2 The Basics of Flight Physiology; 2.1 The atmosphere; Composition; Altitude; The physical gas laws; 2.2 The respiratory and circulation systems; Functional anatomy; The hypobaric environment; Hypoxia; Oxygen systems; Cabin pressurisation; Rapid decompression; Decompression sickness; Barotrauma; Hyperventilation; Effects of acceleration 2.3 The high altitude environmentOzone; Cosmic radiation; Relative humidity; 3 Man and the Environment: The Sensory System; 3.1 The central and peripheral nervous system; Central nervous system; Peripheral nervous system; The autonomic nervous (vegetative) system; Workings of the nervous system; 3.2 Vision; Functional anatomy of the eye; The visual field - scanning techniques; Binocular and monocular vision; Night vision; 3.3 Hearing; Functional anatomy of the ear; Flight

related hazards to hearing; Effects of altitude change; 3.4 Equilibrium; Functional anatomy of the vestibular system
Motion sickness3.5 Integration of sensory inputs; Orientation; Sensory illusions and spatial disorientation; Vestibular illusions; Visual illusions; Approach and landing errors; Prevention of disorientation; 4 Health and Hygiene; 4.1 Personal hygiene; 4.2 Common minor ailments; Colds; Influenza; Gastro-intestinal upset; 4.3 Problem areas for pilot health; Hearing loss; Defective vision; Hypotension; Hypertension; Coronary artery disease; Obesity; Nutrition; Tropical climates and epidemic disease; 4.4 Intoxication; Tobacco; Alcohol; Drugs and self-medication; Toxic hazards; Carbon monoxide
4.5 Incapacitation during flightSymptoms and causes; Operational coping procedures; Flying after SCUBA diving; Part 3 Basic Aviation Psychology; 5 Human Information Processing; 5.1 Attention and vigilance; 5.2 Perception; Perception illusions; Perceptual subjectivity; 5.3 Memory; Short-term memory (sensory); Long-term memory; Working memory; Motor memory (skills); 5.4 Response selection; Learning principles and techniques; Motivation; 6 Human Error and Reliability; 6.1 Reliability of human behaviour; 6.2 Hypotheses of reality; 6.3 Theory and model of human error; 6.4 Error generation
ErgonomicsEconomics; Social environment; 7 Decision Making; 7.1 Decision-making concepts; Structure phases; Limits; Risk assessment; Practical application of risk management; 8 Avoiding and Managing Errors: Cockpit Management; 8.1 Error management; 8.2 Safety awareness; Risk area awareness; Error proneness; Error sources; Situational awareness; 8.3 Multi-crew co-ordination; 8.4 Co-operation; Group dynamics; Leadership and management styles; Individual duty and role; Advantages and disadvantages of team work; 8.5 Communication; Communication models; Verbal and non-verbal communication
Communication barriers

Sommario/riassunto

Human error is cited as a major cause in over 70% of accidents, and it is widely agreed that a better understanding of human capabilities and limitations - both physical and psychological - would help reduce human error and improve flight safety. This book was first published when the UK Civil Aviation Authority introduced an examination in human performance and limitations for all private and professional pilot licences. Now the Joint Aviation Authorities of Europe have published a new syllabus as part of their Joint Aviation Requirements for Flight Crew Licensing. The book has been compl