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Adobe Portable Document Format Version of
**Reports originated by the Federal Aviation Administration
Office of Aviation Research – from April 1995 through March 2001**
PART 1 of 2 - Reports generated by and for the Research Division and Human
Factors Divisions

6 April 2001

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See: http://www.cufon.org/special/FAA_Rpts_1.htm

Thanks go to Michael Ravnitzky, mikerav@ix.netcom.com for alerting us to the availability of these lists of reports.

Two lists of research reports originated by the Federal Aviation Administration Office of Aviation Research are available from the FAA.

- Reports generated by and for the Research Division and Human Factors Divisions, and (This file)
- Reports generated by or for the Airport and Aircraft Safety Division and Aviation Security Division.

Many of these reports have never been released or mentioned outside the agency.

- Jim Klotz - CUFON SYSOP
- Dale Goudie - Information Director

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U.S. Department
of Transportation
**Federal Aviation
Administration**

800 Independence Ave., S.W.
Washington, D.C. 20591

MAR 23 2001

Mr. Dale Goudie

ADDRESS DELETED
BY CUFON -

Re: Freedom of Information Act (FOIA) Request 2001-003975

Dear Mr. Goudie:

The two lists you requested in your letter of March 16 are enclosed. The lists contain all the research reports originated by and for the Federal Aviation Administration (FAA) Office of Aviation Research from April 1995 (the date on which the Office was established within the FAA) to the present.

There will be no search nor copy fees associated with your FOIA request.

Sincerely,

Herman A. Rediess, Ph.D.
Director, Office of Aviation Research

Enclosure

RESEARCH REPORTS - OFFICE OF AVIATION RESEARCH RESEARCH AND HUMAN FACTORS DIVISIONS FROM APRIL 1995 TO PRESENT

Jentsch, F., Abbott, D., & Bowers, C. (1998). Difficulty evaluation of Line-Oriented Simulations (Technical report submitted to the Naval Air Warfare Center Training Systems Division and the Office of the Chief Advisor for Human Factors at the Federal Aviation Administration, AAR-100). Orlando, FL: University of Central Florida.

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Olson, W.A. and Sarter, N.B. (1998). As Long As I'm In Control: Pilot Preferences For And Experiences With Different Forms of Automation Management. Proceedings of the Fourth Symposium on Human Interaction With Complex Systems (HICS) (pp. 63-72). Dayton, OH. March.

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FAA/AAM Human Factors in Aviation Maintenance and Inspection Research Phase Reports (1995-1999), Office of the Chief Scientist for Human Factors, Washington, DC

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CAMI 00-9 Chaturvedi, A.K., Smith, D.R., and Canfield, D.V: Blood carbon monoxide and cyanide concentrations in the fatalities of fire and non-fire associated civil aviation accidents.

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CAMI 00-11 Hynes, M.K: Evacuee injuries and demographics in transport airplane precautionary emergency evacuations.

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CAMI 00-13 DeJohn, C.A., Véronneau, S.J.H., Wolbrink, A.M., and Larcher, J.G: The evaluation of in-flight medical care aboard selected U.S. air carriers: 1996 to 1997. ADA377878

CAMI 00-14 Thompson, R.C., Joseph, K.M., Bailey, L.L., Worley, J.A., and Williams, C.A: Organizational change: An assessment of trust and cynicism.

CAMI 00-15 Russell, C.J., Dean, M.A., and Broach, D.M: Guidelines for bootstrapping validity coefficients in ATCS selection research. ADA379430

CAMI 00-16 Vu, N.T., Chaturvedi, A.K., Canfield, D.V., Soper, J.W., Kupfer, D.M., and Roe, B.A: DNA-based detection of ethanol-producing microorganisms in postmortem blood and tissues by polymerase chain reaction.

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CAMI 00-19Nakagawara, V.B., Wood, K.J., and Montgomery, R.W: Refractive surgery in aircrew members who fly for scheduled and non-scheduled civilian airlines.

CAMI 00-20Lewis, R.J., Johnson, R.D., and Blank, C.L: A novel method for the determination of sildenafil (Viagra®) and its metabolite in postmortem specimens using LC/MS/MS and LC/MS/MS.

CAMI 00-21Canfield, D.V., Hordinsky, J., Millett, D.P., Endecott, B., and Smith, D: Prevalence of drugs and alcohol in fatal civil aviation accidents between 1994 and 1998. ADA379272

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CAMI 00-27Naff, K.C., and Thompson, R.C: The impact of teams on the climate for diversity in government: The FAA experience. ADA382809

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CAMI 99-1 Collins, W.E., and Wayda, M.E: Index of FAA Office of Aviation Medicine Reports: 1961 through 1998. ADA360592

CAMI 99-2 Della Rocco, P.S., (Editor): The Role of Shift Work and Fatigue in Air Traffic Control Operational Errors and Incidents. ADA360730

CAMI 99-3 Durso, F.T., Hackworth, C.A., Truitt, T.R., Crutchfield, J., Nikolic, D., and Manning, C.A: Situation awareness as a predictor of performance in en route air traffic controllers. ADA360807

CAMI 99-4 Garner, R.P: Concepts providing for physiological protection after aircraft cabin decompression in the altitude range of 60,000 to 80,000 feet above sea level. ADA360727

CAMI 99-5 Gowdy, V., George, M., and McLean, G. A: comparison of buckle release timing for push-button and lift-latch belt buckles. ADA360725

CAMI 99-6 Nakagawara, V.B., Wood, K.J., and Montgomery, R.W: Refractive surgery in the civil airman population by class of medical certificate and by aviation occupation. ADA361329

CAMI 99-7 Rakovan, L., Wiggins, M.W., Jensen, R.S., and Hunter, D.R: A survey of pilots on the dissemination of safety information. ADA361233

CAMI 99-8 Milburn, N.J., and Mertens, H.W: Optimizing blink parameters for highlighting an air traffic control situation display. ADA316258

CAMI 99-9 Joseph, K., Jahns, D., Nendick, M., and St. George, R: A usability survey of GPS avionics equipment: Some preliminary findings. ADA362193

CAMI 99-10 McLean, G.A., George, M.H., Funkhouser, G.E., and Chittum, C.B: Aircraft evacuations onto escape slides and platforms II: Effects of exit size. ADA362480

CAMI 99-11 Chaturvedi, A.K: First seven years (1991-1998) of the FAA's postmortem forensic toxicology proficiency testing program. ADA362556

CAMI 99-12 Pounds, J., and Bailey, L.L: Cognitive style and learning: Performance of Adaptors and Innovators in a novel dynamic task. ADA363458

CAMI 99-13 Williams, K.W: GPS user-interface design problems.

CAMI 99-14 Vu, N.T., Chaturvedi, A.K., and Canfield, D.V: Urinary genotyping for DQA1 and PM loci using PCR-based amplification: Effects of sample volume, storage temperature, preservatives, and aging on DNA extraction and typing. ADA363461

CAMI 99-15 Lewis, R.J., Huffine, E.F., Chaturvedi, A.K., Canfield, D.V., and Mattson, J: Formation of an interfering substance, 3,4-dimethyl-5-phenyl-1,3-oxazolidine, during a pseudoephedrine urinalysis. ADA363777

CAMI 99-16 Broach, D., Farmer, W.L., and Young, W.C: Differential prediction of FAA Academy performance on the basis of race and written Air Traffic Control Specialist aptitude test scores. ADA363587

CAMI 99-17 Joseph, K.M., Thompson R.C., Bailey, L.L., Williams, C.A., Worley, J.A., and Schroeder, D.J: The influence of ergonomics interventions on employee stress and physical symptoms. ADA364891

CAMI 99-18 Heil, M.C: An investigation of the relationship between chronological age and job performance for incumbent Air Traffic Control Specialists. ADA364893

CAMI 99-19 Behn, L.D., Thompson, R.C., and Hilton, T.F: Follow-up assessment of the Federal Aviation Administration's Logistics Center safety climate. ADA365569

CAMI 99-20 Gilliland, K., Schlegel, R.E., and Nesthus, T.E.: Effects of antihistamine, age, and gender on task performance. ADA366860

CAMI 99-21 Morrow, D.G., and Prinzo, O.V: Improving pilot/ATC voice communication in General Aviation. ADA367894

CAMI 99-22 Milke, R.M., Becker, J.T., Lambrou, P., Harris, H.C., and Schroeder, D.J: The effects of age and practice on aviation-relevant concurrent task performance. ADA367887

CAMI 99-23 Heil, M.C: The relationship between ATCS age and cognitive test performance. ADA368670

CAMI 99-24 Bailey, L.L., Broach, D.M., Thompson, R.C., and Enos, R.J: Controller Teamwork Evaluation and Assessment Methodology: A Scenario Calibration Study. ADA370417

CAMI 99-25 Worley, J.A., Bailey, L.L., Thompson, R.C., Joseph, K.M, and Williams, C.A: Organizational communication and trust in the context of technology change. ADA370769

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CAMI 99-27 Thompson, R.C., Bailey, L.L., Joseph, K.M., Worley, J.A., and Williams, C.A: Organizational change: Effects of fairness perceptions on cynicism. ADA371588

CAMI 99-28 Sirevaag, E.J., Rohrbaugh, J.W., Stern, J.A., Vedeniapin, A.B., Packingham, K.D., and LaJonchere, C.M: Multi-dimensional characterizations of operator state: A validation of oculomotor metrics.

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CAMI 99-30 Hynes, M.K: Frequency and costs of transport airplane precautionary emergency evacuations. ADA372580

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CAMI 98-2 McLean, G.A., and Chittum, C.B: Performance Demonstrations of Zinc Sulfide and Strontium Aluminate Photoluminescent Floor Proximity Escape Path Marking Systems. ADA339339

CAMI 98-3 McLean, G. A., Palmerton, D. A., Chittum, C. B., George, M. H., and Funkhouser, G. E. Inflatable Escape Slide Beam and Girt Strength Tests: Support for Revision of Technical Standard Order C-69b. ADA339410

CAMI 98-4 Wolf, M.B., and Garner, R.P: Effect of an airplane cabin water spray system on human thermal behavior: A theoretical study using a 25-node model of thermoregulation. ADA339365

CAMI 98-5 Canfield, D.V., Smith, M.D., Adams, H.J., and Houston, E.R: Selection of an Internal Standard for Postmortem Ethanol Analysis. ADA339340

CAMI 98-6Jensen, R.S., Guilkey, J.E., and Hunter, D.R: An Evaluation of Pilot Acceptance of the Personal Minimums Training Program for Risk Management. ADA340338

CAMI 98-7Driskill, W.E., Weissmuller, J.J., Quebe, J., Hand, D.K.; and Hunter, D.R: Evaluating the Decision-Making Skills of General Aviation Pilots. ADA341118

CAMI 98-8Thompson, R.C., Agen, R.A., and Broach, D.M: Differential Training Needs and Abilities at Air Traffic Control Towers: Should All Controllers Be Trained Equally? ADA340829

CAMI 98-9Wreggit, S.S., and Marsh, D.K., II Cockpit Integration of GPS: Initial Assessment-Menu Formats and Procedures. ADA341122

CAMI 98-10Sanders, D.C., Chaturvedi, A.K., and Hordinsky, J.R., Aeromedical Aspects of Melatonin--An Overview. ADA341726

CAMI 98-11Gowdy, R.V., and DeWeese, R: Evaluation of Improved Restraint Systems for Parachutists. ADA342643

CAMI 98-12Williams, K.W: GPS Design Considerations: Displaying Nearest Airport Information. ADA346043

CAMI 98-13Shehab, R.L., Schlegel, R.E., and Palmerton, D.A: A Human Factors Perspective on Human External Loads. ADA350729

CAMI 98-14Rodgers, M.D., Mogford, R.H., and Mogford, L.S: The Relationship of Sector Characteristics to Operational Errors. ADA350717

CAMI 98-15Mills, S.H: The combination of flight count and control time as a new metric of air traffic control activity. ADA350504

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CAMI 98-18Chaturvedi, A.K., Vu, N.T., Ritter, R.M., and Canfield, D.V., DNA Profiling as an Adjunct Quality Control/Quality Assurance in Forensic Toxicology. ADA379287

CAMI 98-19Casper, D.K. & McLean, G.A: Analysis of Ditching and Water Survival Training Programs of Major Airframe Manufacturers and Airlines. PB99146839XSP

CAMI 98-20Prinzo, O.V., Lieberman, P., and Pickett, E: An acoustic analysis of ATC communication. ADA353962

CAMI 98-21Canfield, D.V., Smith, M.D., Ritter, R.M., and Chaturvedi, A.K: Preparation of carboxyhemoglobin standards and calculation of spectrophotometric quantitation constants. ADA379272

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