

LIBRARY INFORMATION CATEGORIES INDEX

(as of October, 1996)

A.	AIRPORT AND AIRWAYS FACILITIES	Page 1
B.	SYSTEMS DESIGN AND ENGINEERING	Page 2-4
C.	OPERATIONS	Page 5
D.	ACCIDENT CASES AND STUDIES	Page 6
E.	REFERENCE DATA	Page 7-9
F.	AEROMEDICAL	Page 10
G.	COST OF CRASH SURVIVAL MEASURES	Page 11
H.	ACCIDENT INVESTIGATION TECHNIQUES	Page 11
I.	AUTOMOTIVE CRASHWORTHINESS	Page 12-13
J.	MISCELLANEOUS ENGINEERING DATA	Page 13
K.	RECREATIONAL VEHICLES	Page 14
L.	RAILROAD	Page 14
ACC.	AIRCRAFT CATEGORIES	Page 15
MV.	MOTOR VEHICLE CATEGORIES	Page 16
M.	MILITARY SPECIFICATIONS & STANDARDS	Page 17
N.	ARMY REGULATIONS, ASTM STDS, TEST METHODS	Page 18

A. AIRPORT AND AIRWAYS FACILITIES

1. General
2. Heliports
3. Airports
4. Ground handling
5. Aircraft fueling
6. Airport fire fighting (see B-11 also)
7. Bird ingestion hazard (see D-4 also)
8. Emergency arresting gear
9. Foreign object damage
10. Flight line hazards
11. Foamed runways
12. Obstructions
13. Research and development
14. Noise
15. CAT - Clear air turbulence and weather
16. Air traffic control
17. Accidents, procedures and responsibilities (see H also)

B. SYSTEMS DESIGN AND ENGINEERING

1. General
2. Aircraft maintenance and reliability
3. Aircraft seat, litters and restraint systems
4. Cockpit design
5. Cabin safety design
6. Aircraft crash decelerations
7. Aircraft structure
 - a. Flight loads/Flight recorders
 - b. Crash loads
8. Cargo
9. Energy-absorption methods
10. Aircraft in-flight failures
11. Fire
 - a. Fuels
 - b. Threats
 - c. Foams
 - d. Cloth
 - e. Injuries
 - f. Corrosion
 - g. Extinguishment
 - h. Detection and initiation
 - i. Thermal
 - j. Lightning
 - k. Fire research programs
 - l. Fire protection handbooks
 - m. Tanks, valves, lines (see B-24 also)
 - n. Ignition studies
 - o. Fire codes

B. (continued)

11. (continued)

- p. Military specifications
- q. Engine

12. Engines

- a. Turbine
- b. Reciprocating
- c. Rockets
- d. Nuclear
- e. Other

13. Research and development

14. Rotors and gear boxes

15. Sonic boom

16. Strength of materials (includes load rate effects)

17. Test instrumentation, facilities and dummies

18. Aerodynamics

19. Armor

20. Helmet design

21. Design for crash survival

22. Batteries

23. Landing gears

24. Fuel systems (see B-11m also)

25. Pressurization

26. Egress

27. Instruments

28. Navigation aids

29. Crash locator beacons (SEE ALSO BOXES "B ELT")

30. Radio/avionics

31. Propellers

B. (Continued)

32. Aircraft noise
33. Collision avoidance/proximity
34. Aircraft lighting
35. Aircraft specifications
36. Blueprint (systems)
37. Light bulb analysis
38. Switches/controls
39. Hydraulic systems
40. De-icing systems
41. Lubrication
42. Electrical/electronics
43. Fuel selectors
44. Ignition systems
45. Pneumatic
46. Pumps
47. Vibration
48. Tires
49. Composite materials
50. Air refueling

C. OPERATIONS

1. General
2. Aerial applicators
3. Helicopters
4. Ditchings
5. Emergency egress and evacuations (includes all automatic ejection devices/seats)
6. Flight testing
7. Forced landings
8. In-flight emergencies
9. Pilot training
10. Safety training (HumRRO reports -- all on one shelf)
11. Search and rescue
12. Aircraft recovery
13. Training for aircraft personnel (other than pilots)
14. Aviation safety (general)
15. Navigation systems, including weather
16. Certification for aircraft
17. Forms
18. Fuel
19. Operators' manuals
20. Night operations
21. Approaches
22. Fixed-wing
23. Hazardous materials
24. Airborne refueling

D. ACCIDENT CASES AND STUDIES

1. Fire
2. Impact injury
3. Wire strikes
4. Bird strikes (see A-7 also)
5. National Transportation Safety Board
6. Civil Aeronautics Board
7. Military
8. AVSER/AVCIR/CIVILIAN (Aviation crash injury research)
9. Other
 - a. Canada
 - b. England
 - c. Australia
 - d. New Zealand
 - e. Other, NASA
10. Statistics
11. Project plans or proposals for testing and testing reports
12. Weather
13. NTSB special study
14. Presidential reports
15. Maintenance or defective reports (M's or D's)
16. Wake turbulence
17. Accident prevention
18. USAAVS accident reports
19. Agriculture aircraft
20. Mid-air collision
21. Litigation
22. NTSB briefs of accidents
23. Fuel

E. REFERENCE DATA

1. Bibliographies (keep two years maximum)
2. FAA regulations
3. Plastics
4. Safety organization brochures
5. STAPP Car Crash Conference Proceedings
6. NASA publications (National Advisory NACA or NASA Committee for Aviation)
7. IATA publications
8. Civil Aeronautics Board publications
9. Human body measurements (weight and geometry)
10. General engineering reference
11. Lockheed Science Digest
12. Aerospace Medical Conference Proceedings
13. General
14. Safety schools and courses
15. National Safety Council
16. USABAAR
17. FAA
18. Armed Services Technical Information Agency (ASTIA)¹
19. Advisory Group for Aerospace Research and Development
20. Aeromedical Research Laboratory, Wright-Patterson AFB, Holloman AFB
21. American Institute of Aeronautics and Astronautics (AIAA)
22. U.S. Government R&D reports
23. Defense Documentation Center (DDC)
24. Pollution
25. Gliders

¹ Now Defense Technical Information Center (DTIC)

E. (continued)

26. Aviation laws
27. National Transportation Safety Board (NTSB)
28. American Helicopter Society (AHS)
29. Federal Railroad Administration
30. National Technical Information Service (NTIS)
31. USAAVS
32. U.S. Army Air Mobility Research and Development Laboratory (USAAMRDL)²
33. Society of Automotive Engineers (SAE)
34. Protection and survival reports
35. Society of Air Safety Investigators
36. USAF Aeromedical
37. National Fire Protection Association (NFPA)
38. Highway Department
 - a. Arizona
 - b. Other states
 - c. Federal
39. USAC
40. OSHA
41. USAF
42. National Highway Traffic Safety Administration (NHTSA)
43. Fire statistics
44. Ultra systems (Dynamic Science AvSER)
45. Dockets
46. Photography and films
47. National Academy of Sciences
48. Robertson Research, Inc. (CRI)
49. SAFE

² Now U.S. Army Aviation Research & Technology Activity (AVSCOM)

E. (continued)

50. Highway Safety Research Institute
51. National Research Council
52. Highway safety literature
53. Department of Transportation
54. International Civil Aviation Organization (ICAO)
55. Coordinating Research Council (CRC)
56. International Newsletter
57. Metallurgy
58. Law references (Product Liability)
59. SAFER

F. AEROMEDICAL

1. Biophysics
2. Evacuation
3. Human engineering (Ergonomics)
4. Human and animal tolerance
5. Medical officer investigation
6. Nuclear and space
7. Oxygen
8. Research miscellaneous
 - a. Underwater effects
 - b. Sleep studies
 - c. Space studies
 - d. Perception and disorientation
 - e. Temperature effects on man
 - f. Measurement of physiological state
 - g. Hypoxia
 - h. Alcohol
 - i. "G" force
9. Survival and survival equipment
10. Injuries (including "crash injuries")
11. Toxic, i.e. carbon monoxide, fuel, etc.
12. Drugs
 - a. Alcohol
13. Psychological factors
14. Identification

G. COST OF CRASH SURVIVAL MEASURES

H. ACCIDENT INVESTIGATION TECHNIQUES (see A-17 also)

1. Glossary of terms
2. Evidence

I. AUTOMOTIVE CRASHWORTHINESS

1. Restraint
 - a. Lap belts
 - b. Shoulder harness
 - c. Air bags
 - d. Head protection/restraint
2. Body
3. Frame
4. Fire
5. Test facilities
6. Statistics
7. Tires
8. Roads
9. Tanks
10. Cost
11. General
12. Injuries
13. Impact investigations
14. Regulations
15. Racing
16. Experimental Safety Vehicles (cars) (ESV)
17. Electrical systems
18. Exhaust systems
19. Occupant survivability
20. Hazardous materials safety
21. Accident investigations
22. Conferences of International Congress on Automotive Safety
23. Brakes
24. Engines

I. (continued)

25. Roadside inspections

J. MISCELLANEOUS ENGINEERING DATA

1. Snow ski bindings
2. Engineering calculating data
 - a. Miscellaneous
 - b. Auto speed calculation
3. Natural gases
4. Pipeline transportation
5. Industrial hardware
6. Simulators
7. Computer programs
8. General

K. RECREATIONAL VEHICLES

1. Government and public regulations
2. Accident statistics
3. Injuries and fatalities
4. Conferences
5. Newspaper and other publicity
6. Snowmobiles
7. Studies
8. Motorcycles
9. Transbusses
10. Bicycles
11. Motor homes

L. RAILROAD

1. Tank car fires
2. Accident statistics

ACC. AIRCRAFT CATEGORIES

1. General
2. Pilot reports
3. New plane reports
4. Engineering reports
5. Aircraft modifications
6. Engine problems
7. Testing
8. Construction, maintenance and equipment
9. Accident reports
10. Scale drawings/specifications
11. STOL
12. Components
13. Fuel systems
14. M or D (SDR) reports
15. Stalls/spins
16. Noise abatement
17. Radios/navigation aids
18. Instrument flying
19. Weather
20. Crash survivability
21. Single engine
22. Multi-engine
23. Gliders
24. Helicopters
25. Aerobatic planes
26. Seaplane
27. Lighter than air

MV. MOTOR VEHICLE CATEGORIES

1. General
2. New car reports
3. Engineering reports
4. Crashworthiness
5. Mechanical problems
6. Fuel system
7. Testing
8. Accident reports
9. Specifications/Technical publications
10. Defect reports
11. Statistics
12. Driver training
13. Ford
14. Chevrolet trucks

			BOX #
MIL-STD-810C	Environmental test methods		1
MIL-STD-882A	System safety requirements		1
MIL-STD-1290(AV)	Light fixed and rotary-wing aircraft crashworthiness		1
MIL-C-5584C	Containers, shipping and storage, metal reusable		1
MIL-T-6396D	Tanks, fuel, oil, water, alcohol, coolant fluid, aircraft, non-selfsealing, removable internal		1
MIL-V-27393(USAF)	Valve, safety, fuel cell fitting, crash resistant, gen specs for		1
MIL-T-27422B	Tank, fuel, crash resistant aircraft		1
MIL-S-58095(AV)	Seat system: crashworthy, non-ejection aircrew, gen specs for		1
MIL-C-7413A(USAF)	Couplings, quick disconnect, automatic shut-off		1
MIL-S-81771A(AS)	Seats: aircrew, adjustable, aircraft gen spec for		1
MIL-H-83282A	Hydraulic fluid, fire resistant synthetic hydrocarbon base, aircraft		1
MIL-HOBK-5	Metallic materials and elements for flight vehicle structure		2
MIL-HDBK-17	Plastics for flight vehicles		2

N.

ARMY REGULATIONS, ASTM STANDARDS, TEST METHODS

		BOX#
AR 11-28	Economic analysis and program evaluation for resource management	3
AR 70-38	Research, development, test and evaluation of material for extreme	3
AR 70-47	Engineering for transportability	3
AR 71-2	Force development basis of issue plans	3
ANSI/ASTM D 751-73	Standard methods of testing coated fabrics	3

TEST METHODS

5100	Strength and elongation, breaking of woven cloth; grab method	3
5102	Strength and elongation, breaking of woven cloth; cut strip method	3