

Federal Aviation

Administration

Advisory Circular

Subject:

INDEX OF AVIATION TECHNICAL STANDARD ORDERS

Date: 5/6/93 Initiated by: ATR-120

AC No: 20-110H Change:

PURPOSE. This advisory circular (AC) describes the public 1. procedure the Federal Aviation Administration (FAA) will use to develop and issue Technical Standard Orders (TSO's) for aeronautical articles to be used on civil aircraft. The AC presents an index of the FAA TSO's which contain minimum performance standards for specified materials, parts, processes, and appliances used on civil In addition to the current listing of TSO's in appendices aircraft. 1 and 2, appendix 3 contains a listing of TSO's being proposed and for which a notice of availability has been published in the Federal Register.

2. CANCELLATION. Advisory Circular 20-110G, Index of Aviation Technical Standard Orders, dated June 19, 1991, is canceled.

3. RELATED FAR SECTIONS. Federal Aviation Regulations (FAR), Part 21, Subpart O.

BACKGROUND. On June 2, 1980, by Amendment 21-50 to FAR Part 21, 4. the FAA adopted a new public procedure for issuing TSO's for specified materials, parts, processes, and appliances used on civil aircraft, relocated the substance of Subpart A of FAR Part 37 to Subpart 0 of FAR Part 21, and revoked the remainder of FAR Part 37. Amendment 21-50 became effective on September 9, 1980.

PUBLIC PROCEDURE. The following is the public procedure the FAA 5. will use to develop and issue final TSO's for specified articles used on civil aircraft:

The FAA will continue to develop proposed TSO's and will use, a. by reference in the TSO, documents prepared and issued by organizations such as the RTCA Inc. (RTCA) and the Society of Automotive Engineers (SAE). Notices of RTCA meetings and invitations will continue to be published in the Federal Register to allow public participation at the early stages of document development.

Copies of documents prepared and issued by an organization b. – that are incorporated by reference in proposed or final TSO's will be available to any interested person only from that organization.

c. Any person may request the Administrator to revise or issue a new TSO by submitting a description of the revision sought or a description of the new article for which a TSO is requested.

d. The FAA will use several methods to ensure that the public is afforded early opportunities to take part in the TSO decisionmaking process. Proposed TSO's are normally distributed to the public for comment through the use of mailing lists. Any individual or organization can request to be placed on the TSO mailing list. A notice of availability for comment of all proposed TSO's is published in the <u>Federal Register</u>, and a copy of the final TSO is mailed to all persons on the mailing list.

e. Any person wishing to submit comments on a proposed TSO may do so. All comments received on or before the closing date for comments will be considered by the Administrator before issuing a final TSO. Late comments may also be considered as long as no additional expense or delay in processing the TSO is incurred.

f. All comments submitted will be available, both before and after the closing date for comments, for examination by interested persons. Comments are located at the FAA Headquarters in the Aircraft Certification Service, Aircraft Engineering Division (AIR-100), Room 806, 800 Independence Avenue, SW., Washington, D.C. 20591, between 8:30 a.m. and 4:30 p.m., Monday thru Friday.

g. Copies of all proposed and final TSO's will also be available at the FAA Headquarters in the Aircraft Certification Service, Aircraft Engineering Division (AIR-100), and at all FAA Regional Aircraft Certification Offices (ACO's). Final TSO's will not be published in the <u>Federal</u> <u>Register</u>.

6. <u>INDEX OF TSO's</u>. For the reader's convenience, the index of TSO's is presented both in numerical sequence (appendix 1) and by subject matter (appendix 2). The proposed TSO's for which a notice of availability has been published are contained in Appendix 3. All TSO standards contained in FAR Part 37, Subpart B, as of September 9, 1980, are current under the TSO revision program, unless appendix 1 of this AC shows a later revision date.

7. <u>HOW TO OBTAIN TSO's</u>. To obtain a copy of any of the TSO's listed in appendices 1 or 2, write to the: Department of Transportation, Personal Property Operations Branch, General Services Section, M-443.2, Washington, DC 20590. To obtain a copy of any of the proposed TSO's listed in appendix 3, write to the: Federal Aviation Administration, Aircraft Certification Service, Aircraft Engineering Division (AIR-100), 800 Independence Avenue SW., Washington, D.C. 20591. Indicate in your request whether you desire to have your name placed on our mailing list to receive future issuances of the TSO's, notices for public comment on proposed TSO's, or copies of proposed TSO's.

en m. s

John K. McGrath Manager, Aircraft Engineering Division, AIR-100

APPENDIX 1. Index of TSO's in Numerical Sequence

| <u>TSO Number</u> | <u>Subject Title</u> |
|---------------------|--|
| TSO-Clc - 7/10/87 | Cargo and Baggage Compartment Smoke Detection Instruments |
| TSO-C2d - 6/14/89 | Airspeed Instruments |
| TSO-C3d - 6/14/89 | Turn and Slip Instrument |
| TSO-C4c | Bank and Pitch Instruments (Indicating Gyro-Stabilized Type) (Gyroscopic Horizon, Attitude Gyro) |
| TSO-C5e - 6/14/89 | Direction Instrument, Non-magnetic (Gyroscopically Stabilized) |
| TSO-C6d - 6/14/89 | Direction Instrument, Magnetic (Gyro-Stabilized Type) |
| TSO-C7d - 6/14/89 | Direction Instrument, Magnetic Non- Stabilized Type (Magnetic Compass) |
| TSO-C8d - 8/8/91 | Vertical Velocity Instrument (Rate-of- Climb) |
| TSO-C9c | Automatic Pilots |
| TSO-C10b | Aircraft Altimeter, Pressure Actuated Sensitive Type |
| TSO-Clle - 10/17/91 | Fire Detectors (Thermal Sensing and and Flame Contact) |
| TSO-Cl3f - 9/24/92 | Life Preservers |
| TSO-C14b - 2/15/90 | Aircraft Fabric, Intermediate Grade; External Covering Material |
| TSO-C15d - 2/26/90 | Aircraft Fabric, Grade A; External Covering Material |
| TSO-C16 | Air-Speed Tubes (Electrically Heated) |

| <u>TSO_Number</u> | Subject Title |
|--------------------|---|
| TSO-C19b | Portable Water-Solution Type Fire Extinguishers |
| TSO-C20 | Combustion Heaters |
| TSO-C21b - 3/16/89 | Special Aircraft Turnbuckle Assemblies and/or Turnbuckle Safetying Devices |
| TSO-C22g - 3/5/93 | Safety Belts |
| TSO-C23c - 4/25/84 | Personnel Parachute Assemblies |
| TSO-C25a | Aircraft Seats and Berths (Type I Transport, 6g Forward Load) |
| TSO-C26c - 5/18/84 | Aircraft Wheels and Wheel-Brakes Assemblies, with Addendum I |
| TSO-C27 | Twin Seaplane Floats |
| TSO-C28 | Aircraft Skis |
| TSO-C30c - 5/12/89 | Aircraft Position Lights |
| TSO-C31d - 4/30/84 | High Frequency (HF) Radio Communication Transmitting Equipment Operating Within the Radio Frequency Range of 1.5 to 30 Megahertz |
| TSO-C32d - 4/30/84 | High Frequency (HF) Radio Communication Transmitting Equipment Operating Within the Radio Frequency Range of 1.5 to 30 Megahertz |
| TSO-C34e - 1/15/88 | ILS Glide Slope Receiving Equipment Operating within 328.6 to 335.4 Megahertz |
| TSO-C35d | Airborne Radio Marker Receiving Equipment |
| TSO-C36e - 1/25/88 | ILS Localizer Receiving Equipment |

| TSO Number | | Subject Title |
|------------|---------|---|
| TSO-C37d - | 9/23/92 | VHF Radio Communications Transmitting Equipment Operating Within 117.975 to 136.000 Megahertz |
| TSO-C38d - | 9/23/92 | VHF Radio Communications Receiving Equipment Operating Within 117.975 to 136.000 Megahertz |
| TSO-C39b - | 4/17/87 | Aircraft Seats and Berths |
| TSO-C40c - | 1/25/88 | VOR Radio Receiving Equipment Operating Within the Radio Frequency Range of 108–118 Megahertz |
| TSO-C41d - | 5/6/85 | Airborne Automatic Direction Finding (ADF) Equipment |
| TSO-C42 | | Propeller Feathering Hose Assemblies (Rubber and Wire Braid Construction) |
| TSO-C43b - | 8/8/91 | Temperature Instruments |
| TSO-C44a | | Fuel Flowmeters |
| TSO-C45 | | Manifold Pressure Indicating Instruments |
| TSO-C46a | | Maximum Allowable Airspeed Indicator Systems |
| TSO-C47 | | Pressure Instruments – Fuel, Oil, and Hydraulic |
| TSO-C48 | | Carbon Monoxide Detector Instruments |
| TSO-C49a | | Electric Tachometer: Magnetic Drag (For Air Carrier Aircraft) |
| TSO-C50c - | 1/31/83 | Audio Selector Panels and Amplifiers |
| TSO-C51a | | Aircraft Flight Recorder |
| TSO-C52a | | Flight Directors |

| AC 20-110H Appendix 1 | 5/6/93 |
|--------------------------|--|
| TSO Number | Subject Title |
| TSO-C53a | Fuel and Engine Oil System Hose Assemblies (Rubber or Tetrafluoreothylene Tube and Wire Braid Construction) |
| TSO-C54 | Stall Warning Instruments |
| TSO-C55 | Fuel and Oil Quantity Instruments (For Reciprocating Engine Aircraft) |
| TSO-C56a - 4/12/84 | Engine-Driven Direct Current Generators/Starter-Generators |
| TSO-C57a - 1/31/83 | Aircraft Headsets and Speakers |
| TSO-C58a - 1/31/83 | Aircraft Microphones (For Air Carrier Aircraft) |
| TSO-C59 | Airborne Selective Calling Equipment (For Air Carrier Aircraft) |
| TSO-C60b - 5/11/88 | Airborne Loran-A and Loran-C Receiving Equipment Operating within the Radio Frequency Ranges of 1800–2000 Kilohertz and 90–110 Kilohertz Respectively |
| TSO-C62d - 9/7/90 | Aircraft Tires |
| TSO-C63c - 8/18/83 | Airborne Weather and Ground Mapping Pulsed Radars |
| TSO-C64a - 8/25/89 | Oxygen Mask Assembly Continuous Flow, Passenger (For Air Carrier Aircraft) |
| TSO-C65a - 8/18/83 | Airborne Doppler Radar Ground Speed and/or Drift Angle Measuring Equipment (For Air Carrier Aircraft) |
| TSO-C66c - 1/18/91 | Distance Measuring Equipment (DME) Operating within the Radio Frequency Range of 960-1215 Megahertz |
| TSO-C67 | Airborne Radar Altimeter Equipment (For Air Carrier Aircraft) |

| 2/0/22 |
|--------|
|--------|

TSO Number Subject Title

| TSO-C68a - 8/18/83 | Airborne Automatic Dead Reckoning Computer Equipment Utilizing Aircraft Heading and Doppler Ground Speed and Drift Angle Data (For Air Carrier Aircraft) |
|--------------------|---|
| TSO-C69b - 8/17/88 | Emergency Evacuation Slides, Ramps, and Slide/Raft Combinations |
| TSO-C70a - 4/13/84 | Liferafts (Reversible and Nonreversible) |
| TSO-C71 | Airborne Static ("DC to DC") Electrical Power Converter (For Air Carrier Aircraft) |
| TSO-C72c - 2/19/87 | Individual Flotation Devices |
| TSO-C73 | Static Electrical Power Invertor |
| TSO-C74c | Airborne ATC Transponder Equipment |
| TSO-C75 | Hydraulic Hose Assemblies |
| TSO-C76 | Euel Drain Valves |
| TSO-C77a - 7/20/81 | Gas Turbine Auxiliary Power Units |
| TSO-C78 | Crewmember Demand Oxygen Masks |
| TSO-C79 | Fire Detectors (Radiation Sensing Type) |
| TSO-C80 | Flexible Fuel and Oil Cell Material |
| TSO-C84 | Cockpit Voice Recorder |
| TSO-C85 | Survivor Locator Lights |
| TSO-C87 | Airborne Low-Range Radio Altimeter |
| TSO-C88a - 8/18/83 | Automatic Pressure Altitude Reporting Code Generating Equipment |
| TSO-C89 | Oxygen Regulators, Demand |
| TSO-C90c - 4/3/92 | Cargo Pallets, Nets, and Containers |

AC 20-110H Appendix 1

| TSO_Number | Subject Title |
|----------------------|--|
| TSO-C91a - 4/29/85 | Emergency Locator Transmitters (ELT) Equipment |
| TSO-C92b | Ground Proximity Warning-Glide Slope Deviation Alerting Equipment |
| TSO-C93 | Airborne Interim Standard Microwave Landing System Converter Equipment |
| TSO-C94a - 8/12/81 | Omega Receiving Equipment Operating within the Radio Frequency Range of 10.2 to 13.6 Kilohertz |
| TSO-C95 - 8/18/83 | Mach Meters |
| TSO-C96a - 4/7/89 | Anticollision Lights System |
| TSO-C97 | Lithium Sulfur Dioxide Batteries |
| TSO-C99 - 6/27/83 | Protective Breathing Equipment |
| TSO-C101 - 2/19/87 | Over Speed Warning Instruments |
| TSO-C102 - 4/2/84 | Airborne Radar Approach and Beacon Systems for Helicopters |
| TSO-C103 - 4/12/84 | Continuous Flow Oxygen Mask Assembly (For Non-Transport Category Aircraft) |
| TSO-C104 - 6/22/82 | Microwave Landing Systems (MLS) Airborne Receiving Equipment |
| TSO-C105 - 6/13/84 | Optional Display Equipment for Weather and Ground Mapping Radar Indicators |
| TSO-C106 - 1/15/88 | Air Data Computer |
| TSO-C109 - 12/9/85 | Airborne Navigation Data Storage System |
| TSO-C110a - 10/26/88 | Airborne Passive Thunderstorm Detection Systems |

APPENDIX 2. Index of TSO's by Subject Matter

| <u>Subject Title</u> | <u>TSO Number</u> |
|---|-------------------|
| <u>Air Conditioning</u> | |
| Combustion Heaters | TSO-C20 |
| <u>Auto Flight</u> | |
| Automatic Pilots | TSO-C9c |
| Airborne Auxiliary Power | |
| Gas Turbine Auxiliary Power Units | TSO-C77a |
| Communications | |
| Amplifiers | |
| Audio Selector Panels and Amplifiers | TSO-C50c |
| Microphones | |
| Aircraft Headsets and Speakers | T SO-C57a |
| Aircraft Microphones (For Air Carrier Aircraft) | TSO-C58a |
| Selective Calling Equipment | |
| Airborne Selective Calling Equipment (For Air Carrier Aircraft) | T SO-C59 |
| <u>VHF</u> | |
| VHF Radio Communications Transmitting Equipment Operating Within 117.975 to 136.000 Megahertz | TSO-C37d |
| VHF Radio Communications Receiving Equipment Operating Within 117.975 to 136.000 Megahertz | TSO-C38d |

| AC 20-110H Appendix 2 | | 5/6/93 | |
|--------------------------|---|-------------------|--|
| Subject Tit | le | <u>TSO Number</u> | |
| HF | | | |
| | High Frequency (HF) Radio Communication Transmitting Equipment Operating within the Radio Frequency Range of 1.5 to 30 Megahertz | TSO-C31d | |
| | High Frequency (HF) Radio Communication Receiving Equipment Operating within the Radio Frequency Range of 1.5 to 30 Megahertz | TSO-C32d | |
| Voic | e Recorders | | |
| | Cockpit Voice Recorder | TSO-C84 | |
| | Underwater Locating Devices (Acoustic) (Self-Powered) | TSO-C121 | |
| Electrical Power | | | |
| | Airborne Static ("DC to DC") Electrical Power Converter (For Air Carrier Aircraft) | TSO-C71 | |
| | Engine-Driven Direct Current Generators/Starter-Generators | TSO-C56a | |
| | Lithium Sulfur Dioxide Batteries | TSO-C97 | |
| | Static Electrical Power Inverter | TSO-C73 | |
| Equipment/Furnishings | | | |
| <u>Airc</u> | raft Fabrics | | |

| | Fabric Intermediate Grade; Covering Material | TSO-C14b |
|----------------------|---|----------|
| Aircraft Covering | Fabric, Grade A; External Material | TSO-C15d |

Special Aircraft Turnbuckle Assemblies TSO-C21b and/or Turnbuckle Safetying Devices

Subject Title

TSO Number

<u>Seats, Berths, and Safety Belts</u>

| Aircraft Sea | ts and Berths (1 | Ype I | TSO-C25a |
|--------------|------------------|-------|----------|
| Transport, 6 | g Forward Load) | | |

Aircraft Seats and BerthsTSO-C39bSafety BeltsTSO-C22g

Torso Restraint Systems TSO-C114

Fire Protection

Fire Detection

| (Thermal Sensing Sensing Types) | TSO-Clle |
|------------------------------------|----------|
| | |

Fire Detectors (Radiation Sensing TSO-C79 Type)

Fire Extinguishers

| Portable Water-Solution | Туре | TSO-C19b |
|-------------------------|------|----------|
| Fire Extinguishers | | |

<u>Fuel</u>

| <u>Flowmeters</u> | |
|-------------------|------------|
| Fuel | Flowmeters |

٠

TSO-C44a

Fuel and Oil Cell Material

| Flexible Fuel and Oil Cell Material TSO-C8 | Flexible | Fuel and | Oil Cell | Material | TS0-C80 |
|--|----------|----------|----------|----------|---------|
|--|----------|----------|----------|----------|---------|

Fuel Hose Assemblies

Fuel and Engine Oil System Hose TSO-C53a Assemblies (Rubber or Tetrafluoroethylene Tube and Wire Braid Construction) Subject Title TSO Number Fuel Valves Fuel Drain Valves **TSO-C76** Hydraulic Hose Assemblies Hydraulic Hose Assemblies **TSO-C75** Environmental Protection Equipment Air-Speed Tubes Air-Speed Tubes (Electrically **TSO-C16** Heated) Weather and Radar Equipment . Airborne Passive Thunderstorm Detection Systems TSO-C110a Airborne Radar Approach and Beacon Systems for Helicopters TSO-C102 Airborne Weather and Ground Mapping Pulsed Radars TSO-C63c Instruments Detectors Cargo and Baggage Compartment Smoke TSO-Clc Detection Instruments Carbon Monoxide Detector Instruments **TSO-C48** Flight Instruments Air Computer TSO-C106 Airborne Low-Range Radio Altimeter TSO-C87 Airborne Radar Altimeter Equipment TSO-C67

(For Air Carrier Aircraft)

Subject Title TSO Number Aircraft Altimeter, Pressure Actuated TSO-C10b Sensitive Type TSO-C51a Aircraft Flight Recorder TSO-C2d Airspeed Instruments **TSO-C123** Cockpit Voice Recorder System TSO-C101 Over Speed Warning Instruments Automatic Pressure Altitude Reporting **TSO-C88a** Code Generating Equipment TSO-C4c Bank and Pitch Instruments (Indicating Gyro-Stabilized Type) (Gyroscopic Horizon, Attitude Gyro) Direction Instrument, Magnetic TSO-C6d (Gyro-Stabilized Type) Direction Instrument, Magnetic Non-TSO-C7d Stabilized Type (Magnetic Compass) Direction Instrument, Non-Magnetic TSO-CSe (Gyroscopically Stabilized) TSO-C49a Electric Tachometer, Magnetic Drag (for Air Carrier Aircraft) Flight Data Recorder Systems TSO-C124 TSO-C52a Flight Directors TSO-C46a Maximum Allowable Airspeed Indicator Systems Mach Meter **TSO-C95 TSO-C8d** Vertical Velocity Instrument (Rate-of-Climb) **TSO-C54** Stall Warning Instruments TSO-C43b **Temperature Instruments** TSO-C3c Turn and Slip Instruments

AC 20-110H

Appendix 2

| <u>Subject Tit</u> | <u>le</u> | <u>TSO Number</u> | |
|----------------------|--|-------------------|--|
| Engi | ne Instruments | | |
| | Fuel and Oil Quantity Instruments (For Reciprocating Engine Aircraft) | TSO-C 55 | |
| | Manifold Pressure Indicating Instruments | TSO-C45 | |
| | Pressure Instruments - Fuel, Oil, and Hydraulic | TSO-C47 | |
| Landing Gea | . <u>r</u> | | |
| | Aircraft Skis | TSO-C28 | |
| | Aircraft Tires | TSO-C62d | |
| | Aircraft Wheels and Brakes, with Addendum I | TSO-C26c | |
| | Twin Seaplane Floats | TSO-C27 | |
| Lights | • • • • | | |
| | Aircraft Position Lights | TSO-C30c | |
| | Anticollision Light System | TSO-C96a | |
| Navigation Equipment | | | |
| | Airborne ATC Transponder Equipment | TSO-C74c | |
| | Airborne Automatic Dead Reckoning Computer Equipment Utilizing Aircraft Heading and Doppler Ground Speed and Drift Angle Data (For Air Carrier Aircraft) | TSO-C68a | |
| | Airborne Distance Measuring Equipment (DME) Operating Within the Radio Frequency Range of 960–1215 Megahertz | TSO-C66c | |
| | Air Traffic Control Radar Beacon System/Mode Select (ATCRBS/Mode S) Airborne Equipment | TSO-C112 | |
| | Airborne Doppler Radar Ground Speed and/or Drift Angle Measuring Equipment (For Air Carrier Aircraft) | TSO-C65a | |

5/6/93

| 5/6/93 | | AC 20 |)-110H |
|-------------|---|-------|------------|
| | | Appen | ndix 2 |
| Subject Tit | <u>le</u> | | TSO Number |
| | Airborne ILS Glide Slope Receiving Equipment Operating within 328.6 to 335.4 Megahertz | | TSO-C34e |
| | Airborne ILS Localizer Receiving Equipment | | TSO-C36e |
| | Airborne Interim Standard Microwave Landing System Converter Equipment | | TSO-C93 |
| | Airborne Multipurpose Electronic Display | Y | TSO-C113 |
| | Airborne Area Navigation Equipment Using Multi-Sensor Inputs | 9 | TSO-C115a |
| | Airborne Area Navigation Equipment Usin Omega/VLF Inputs | ng | TSO-C120 |
| | Airborne Loran-A and Loran-C Receiving Equipment Operating Within the Radio Frequency Range of 1800–2000 Kilohertz and 90–110 Kilohertz Respectively | | TSO-C60b |
| | Airborne Omega Receiving Equipment | | TSO-C94a |
| | Airborne Radio Marker Receiving Equipment | | TSO-C35d |
| | Airborne Automatic Direction Finding (ADF) Equipment | | TSO-C41d |
| | Airborne Navigation Data Storage System | | TSO-C109 |
| | Airborne Supplemental Navigation Equipme Using the Global Positioning System (GP | | TSO-C129 |
| | Airborne Weather and Ground Mapping Pulsed Radars | | TSO-C63c |
| | Airborne Windshear Warning and Escape Guidance Systems for Transport Airplane: | 5 | TSO-C117 |
| | Optional Display Equipment for Weather and Ground Mapping Radar Indicators | | TSO-C105 |
| | Microwave Landing Systems (MLS) Airborne Receiving Equipment | | TSO-C104 |
| | Traffic Alert and Collision Avoidance System (TCAS) Airborne Equipment, TCAS | I | TSO-C118 |

•

7

| AC 20-110H Appendix 2 | | 5/6/93 |
|--------------------------|---|-------------------|
| enpermite e | | |
| <u>Subject Tit</u> | <u>le</u> | <u>TSO Number</u> |
| | Traffic Alert and Collision Avoidance System (TCAS) Airborne Equipment, TCAS II | TSO-C119a |
| | VOR Radio Receiving Equipment Operating Within the Radio Frequency Range of 108–118 Megahertz | TSO-C40c |
| <u>Oxygen</u> | | |
| Crew | members | |
| | Crewmember Demand Oxygen Masks | TSO-C78 |
| | Protective Breathing Equipment | TSO-C99 |
| | Crewmember Protective Breathing Equipment | TSO-C116 |
| Pass | enger | |
| | Oxygen Mask Assembly Continuous Flow, Passenger (For Air Carrier Aircraft) | TSO-C64a |
| | Continuous Flow Oxygen Mask Assembly (For Non-Transport Category Aircraft) | TSO-C103 |
| Regulators | | |
| | Oxygen Regulators, Demand | TSO-C89 |
| <u>Propellers</u> | | |
| Hose | Assemblies | |
| | Propeller Feathering Hose Assemblies (Rubber and Wire Braid Construction) | TSO-C42 |
| <u>Structure</u> | | |
| <u>Cont</u> | <u>ainers, Pallets, Nets</u> | |
| | Cargo Pallets, Nets, and Containers | TSO-C90c |
| Survival Equipment | | |
| Ground Proximity Warning | | |
| | Ground Proximity Warning-Glide Slope Deviation Alerting Equipment | TSO-C92b |

Subject Title

TSO Number

Locator Transmitter

| Survivor Locator Lights | TSO-C85 |
|---|----------------|
| 406 MHz Emergency Locator Transmitters (ELT) | TSO-C126 |
| Emergency Locator Transmitters (ELT) Equipment | TSO-C91a |
| <u>Rafts/Slides/Life Preservers/Parachutes</u> | |
| Emergency Evacuation Slides | TSO-C69b |
| Individual Flotation Devices | TSO-C72c |
| Life Preservers | TSO-C13f |
| Liferafts (Reversible and Nonreversible) | TSO-C70a |
| Parachutes | TSO-C23c |

5/6/93

APPENDIX 3. Index of Proposed TSO's by Subject Matter

Notice of availability of the following proposed TSO's <u>has been</u> published in the <u>Federal Register</u> for public comment:

| Revised TSO's | <u>TSO Number</u> |
|--|-------------------|
| Aircraft Altimeter, Pressure Actuated Sensitive Type | TSO-ClOc |
| Fuel Flowmeter | TSO-C44D |
| Manifold Pressure Instruments | TSO-C45a |
| Pressure Instruments - Fuel, Oil and Hydraulic (Reciprocating Engine Powered Aircraft) | TSO-C47a |
| Carbon Monoxide Detector Instruments | TSO-C48a |
| Electric Tachometer: Magnetic Drag | TSO-C49b |
| Flight Director Equipment | TSO-C52b |
| <u>New TSO's</u> | |
| A-C Constatore | TCO COS |

| A-C Generators | TSO-C98 |
|---|-----------------|
| Nickel Cadmium Vented Rechargeable Aircraft Batteries (Non-Sealed, Maintainable Type) | TSO-C107 |
| General Aviation Flight Recorder | TS0-C111 |