

**Citation 560XL/XLS (CE-560XL)
Maintenance Review Board Report**

560XL/XLS MRBR-02



Cessna Aircraft Company
Cessna Model CE-560XL
Maintenance Review Board Report
Revision 02
Prepared by: Cessna Maintenance Engineering
April 22, 2009

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FAA Approval Page

This Maintenance Review Board Report (MRBR) outlines the initial minimum maintenance/inspection requirements to be used in the development of an approved continuous airworthiness maintenance inspection program for airframe, engines, systems and components for the the Cessna Citation Models:

Cessna Model	Marketing Name	Serialization
CE-560XL	Citation Excel	560-5001 thru -5500
CE-560XL	Citation XLS	560-5501 thru -6000
CE-560XL	Citation XLS+	560-6001 and On

The requirements in this Report have been developed using the Maintenance Steering Group (MSG)-3 logic from the ATA MSG-3 Operator/Manufacturer Scheduled Maintenance Development Document Rev 2005.1 analysis process and logic

The Federal Aviation Administration (FAA) hereby approves that this report be used by United States certificated operators of the Cessna Model CE-560XL aircraft.

This Report is intended to assist operators and authorities in the development process of an initial maintenance program that is compatible with the current regulations/policies.

This MRB Report is not intended to be a controlling report for those operators whose regulatory authorities have not endorsed and approved (or formally accepted) this report.

Signed:  Date: April 22, 2009
Cessna Model CE-560XL MRB Chairperson

Mr. Ronald E. Center
FAA Aircraft Evaluation Group
Flight Standards District Office #07
1801 Airport Road, Room 300
Wichita, Kansas 67209

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This Maintenance Review Board Report (MRBR) outlines the initial minimum maintenance/inspection requirements to be used in the development of an approved continuous airworthiness maintenance inspection program for airframe, engines, systems and components for the Cessna Citation 560XL and XLS (CE-560XL).

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Signed  Date July 11, 2008
Cessna Citation 560XL and XLS (CE-560XL) MRB Chairman

Mr. Ronald E. Center
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Wichita, Kansas 67209

Prepared by: Cessna Maintenance Engineering
Revision: 1
July 11, 2008

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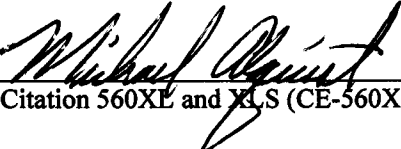
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Signed  Date January 31, 2007
Cessna Citation 560XL and XLS (CE-560XL) MRB Chairman

Mr. Michael Alquist
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Log of Revisions

Revision	Date	Page	Description
1	July 11, 2008	i	Added Log of Revisions and Revision 1 changes
1	July 11, 2008	ii	Revision 1 change
1	July 11, 2008	iii	Revision 1 change
1	July 11, 2008	iv	Revision 1 change
1	July 11, 2008	R-1	Added Log of Revisions
1	July 11, 2008	2-2	Updated MSI 26-14 Detection (Baggage Compartment Smoke Detection) to show a task was generated. Removed #.
1	July 11, 2008	2-8	Combined Task 21-51-00-712 Operational Check of the Emergency Pressurization System into Task 21-30-00-710 Functional Check of the Pressurization System Deleted Task 21-51-00-712 Operational Check of the Emergency Pressurization System. Interval changed from 3A/3C to 2A/2C
1	July 11, 2008	2-8	Removed Task Reference Numbers for MSI 21-52 Cooling (Vapor Cycle Cooling System).
1	July 11, 2008	2-9	Change Task Number 12-19-02-610 Restoration (Cleaning) of the Water Separator to 12-19-02-160 Restoration (Cleaning) of the Water Separator
1	July 11, 2008	2-9	Removed Task Reference Numbers for MSI 21-52 Cooling (Vapor Cycle Cooling System).
1	July 11, 2008	2-10	Deleted Task 23-90-70-840 Restoration (Overhaul) of the Underwater Locator Beacon (CVR).
1	July 11, 2008	2-11	Added <u>NOTE</u> : Hours are based on APU operating hours for Task 80-90-11-840 Restoration (Overhaul) of the APU Starter Generator.
1	July 11, 2008	2-13	Rename Task 25-90-10-220 to Detailed Inspection of the Crew Seats.
1	July 11, 2008	2-13	Rename Task 25-90-20-220 to Detailed Inspection of the Passenger Seats.
1	July 11, 2008	2-13	Rename Task 25-90-60-710 to Functional Check of the Emergency Locator Transmitter System.
1	July 11, 2008	2-14	Combine Task 26-90-10-710 Operational Check of the Fire Extinguisher Low Pressure Monitoring System into Task 26-90-20-720 Functional Check of the Fire Extinguishing System. Deleted Task 26-90-10-710 Operational Check of the Fire Low Pressure Monitoring System.

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1	July 11, 2008	2-14	Added MSI Reference Number 26-14 Detection (Baggage Compartment Smoke Detection)
1	July 11, 2008	2-14	Added Task Operational Check of the Baggage Compartment Smoke Detection System.
1	July 11, 2008	2-21	Deleted Task 31-90-30-840 Restoration (Overhaul) of the Underwater Locator Beacon (FDR)
1	July 11, 2008	2-31	Added NOTE: Hours are based on APU operating hours to Task 80-90-11-840 Restoration (Overhaul) of the APU Starter Generator.
1	July 11, 2008	3-9	Typed Task Number 71-11-00-220 Detailed Inspection of the Upper Cowling Camloc Hole to correct line.
1	July 11, 2008	3-11	Added 3 Task to SSI Reference Number 56-10-01 Cockpit (1) Windshield Detailed Inspection of the Windshield Humpseal, (2) Functional Check of the Windshield (Mist Spray Inspection), and (3) Functional Check of the Windshield Retainer Screws (Torque Inspection). (4) Changed task title of task 56-11-00-212 to Detailed Inspection of the Cockpit Windshield (Delamination). Interval changed from 4C to 4A/2C.
1	July 11, 2008	Appendix C Page C-1	Removed Task Reference Numbers from Enviro Systems Inc. tasks. Deleted Task 23-90-70-840 Restoration (Overhaul) of the Underwater Locator Beacon (CVR) Deleted Task 31-90-30-840 Restoration (Overhaul) of the Underwater Locator Beacon (FDR) Corrected manufacturers interval for lead acid battery
1	July 11, 2008	Appendix D	Added Deleted Task 21-51-00-712 Operational Check of the Emergency Pressurization System. Added Deleted Task 23-90-70-840 Restoration (Overhaul) of the Underwater Locator Beacon (CVR) from 23-70-00 Audio And Video Monitoring. Added Deleted Task 26-90-10-710 Operational Check of the Fire Extinguisher Low Pressure Monitoring System from 26-20-00 Extinguishing (Engine Fire Extinguishing). Added Deleted Task 31-90-30-840 Restoration (Overhaul) of the Underwater Locator Beacon (FDR) from 31-30-00 Recorders (Flight Data Recorder).
1	July 11, 2008	Appendix I	Updated ISC Members
02	April 22, 2009	i	Revised page i to incorporate Revision 02 changes
02	April 22, 2009	ii	Revised page ii to incorporate Revision 02 changes

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02	April 22, 2009	iii	Revised page iii to incorporate Revision 02 changes
02	April 22, 2009	iv	Revised page iv to incorporate Revision 02 changes
02	April 22, 2009	R-1	Removed Date Inserted and By columns from Record of Revisions table due to a complete report being reissued at each revisions
02	April 22, 2009	R-3	Revised page R-3 to incorporate Revision 02 changes
02	April 22, 2009	R-4	Added page R-4 to incorporate Revision 02 changes
02	April 22, 2009	R-5	Added page R-5 to incorporate Revision 02 changes
02	April 22, 2009	2-5	Added MSI 76-14# Power Control, no task was generated. This should have been included in Revision 01
02	April 22, 2009	2-14	Added Task Number 26-90-10-711 to Operational Check of the Baggage Compartment Smoke Detection System
02	April 22, 2009	2-20	Changed Task Number of Detailed Inspection of the Windshield Surface Treatment from 56-11-00-211 to 56-11-00-720
02	April 22, 2009	2-23	Removed Task Number 32-90-40-720 from Functional Check of the Nose Wheel Spin-Up System. This is an Access Defined interval. The task data has been included in the Nose Wheel Removal and Installation procedures.
02	April 22, 2009	2-36	Increased interval of Detailed Inspection of the Spark Igniters from 150 hours to 300 hours per manufacturer recommendation
02	April 22, 2009	2-40	Increased interval of Task 78-31-00-641 Lubrication of the Thrust Reverser Guide Rods (D-5100NS Aerosol Spray Lubrication Method) from 150 hours to 300 hours per manufacturer recommendation and Cessna Engineering Increased interval of Task 78-31-00-640 Lubrication of the Thrust Reverser (WC-393 Non-Aerosol Spray Lubrication Method) from 150 hours to 300 hours per manufacturer recommendation and Cessna Engineering
02	April 22, 2009	3-11	Added Task Number 56-11-00-210 to Detail Inspection of the Windshield Humpseal (original task separated into detailed inspections and/or functional checks) Added Task Number 56-11-00-720 to Functional Check of the Windshield (Mist Spray Inspection) (original task separated into detailed inspections and/or functional checks) Added Task Number 56-11-00-280 to Functional Check of the Windshield Retainer Screws (Torque Inspection) (original task separated into detailed inspections and/or functional checks)

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02	April 22, 2009	B-1	Removed from Chapter 23 Communications - Honeywell Primus II Radio Standby Nav/Com Control Unit It is no longer a Chapter 4 Airworthiness Limitations item. Was placed in Chapter 5.
02	April 22, 2009	B-7	Removed from Chapter 56 Windows - Glass Windshield - Mist Spray Visual Assessment It is no longer a Chapter 4 Airworthiness Limitations item. Was placed in Chapter 5. (Reference Revision 02 Page 3-11 Change noted above)
02	April 22, 2009	C-2	Added Applied Energy data to Task 26-90-30-960 Discard of the Engine Fire Bottle Cartridges per manufacturer recommendation Added Applied Energy data to Task 26-90-30-961 Discard of the APU Fire Bottle Cartridges per manufacturer recommendation

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Section 1 Introduction

1. General

- A. This Maintenance Review Board Report (MRBR) outlines the initial minimum scheduled maintenance/inspection requirements to be used in the development of an approved continuous airworthiness maintenance program for the airframe, engines (on-wing only), systems, and components of the Citation 560XL and XLS (CE-560XL). These Maintenance Review Board (MRB) requirements are a basis from which each operator develops its own continuous airworthiness maintenance program. To simplify Citation 560XL and XLS (CE-560XL) operators development of an inspection program, all inspections identified herein are contained in the Citation 560XL and XLS (CE-560XL) Maintenance Manual and the Pratt & Whitney Engine Maintenance Manuals. Cessna's CESCO tracking system provides current status on scheduled maintenance and time limited parts for an operator's airplane. CESCO also provides operators visibility on Citation 560XL and XLS (CE-560XL) component reliability based on fleet inputs.
- B.
 - 1. The responsible FAA inspector shall ascertain that all of the applicable scheduled maintenance/inspection requirements in this report are included in the operator's initial continuous airworthiness maintenance program.
 - 2. Operator's inspection plans per 14 CFR 91.409(f) must contain all of this MRBR's inspections. To simplify Citation 560XL and XLS (CE-560XL) operators development of an inspection program, all inspections identified herein are contained in the Citation 560XL and XLS (CE-560XL) Maintenance Manual and the Pratt & Whitney Engine Maintenance Manuals.
- C. The process of developing maintenance programs for new aircraft has evolved from one in which each operator proposed his own unique program, to one in which the Federal Aviation Administration (FAA) and the Aircraft Industry work together, as an Industry Steering Committee (ISC), to formulate initial minimum maintenance/inspection requirements. The result of these Maintenance Review Board proceedings is the issuance of a MRB Report.
- D. When required, the Regulatory Authority shall ascertain that all of the requirements in this report are included in the operator's initial approved maintenance program.
- E. Further guidance may also be provided in the MRBR regarding the means to escalate the initial minimum scheduled maintenance/inspection intervals to a level higher than that provided as initial intervals in the MRBR. This guidance will be unique to the aircraft. Escalation guidance should take into consideration the content of like checks and their respective intervals. A series or sequence of specified checks must be completed and the results found satisfactory before escalation of that type of check.

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- F. After the accumulation of industry service experience, the ISC chairman or the MRB chairman may request changes to this report. Revisions to the report may be initiated by the manufacturer, Citation 560XL and XLS (CE-560XL) Operators and/or the MRB. These changes may result from service experience (positive or negative), manufacturer test data, analysis and/or changes in configuration or standard options. Proposed changes are submitted through the ISC, and must be accompanied by supporting data from CESCO or test data. Revisions will be approved by the MRB Chairman. If required, operators will review the applicability of all revisions with their Regulatory Authorities.

2. Engine Programs

- A. The Citation 560XL and XLS (CE-560XL) powerplant (PW545A and PW545B) maintenance is defined by the Pratt & Whitney Engine Maintenance Manuals (PW545A part number 30J1272, PW545B 30J2242). The Engine Maintenance Manual is required to maintain the continued airworthiness of the Citation 560XL and XLS (CE-560XL) propulsion engines. The Engine Maintenance Manual includes details on all the maintenance/inspection requirements for the engine and its sub-systems as delivered with the engine. The Pratt & Whitney Engine Maintenance Manual is the FAA accepted document for detailed maintenance instructions per Type Certificate Data Sheet E00059EN. The Engine Maintenance Manual including Chapter 5 of the Engine Maintenance Manual is not part of the MRB nor subject to approval by the MRB.
- B. The Citation 560XL and XLS (CE-560XL) engine program is intended as a stand-alone engine program with on-wing engine maintenance/inspection intervals defined by the MRBR. The operator should use the Pratt & Whitney Engine Maintenance Manual for detailed shop visit information.
- C. Pratt & Whitney can develop tailored engine maintenance programs, including on-wing maintenance/inspection, in conjunction with the operator. These programs need only the approval of the operator's local airworthiness authority, and once approved, will become the tailored maintenance program for the individual customer.

3. Basis for Standards and Procedures

- A. The Citation 560XL and XLS (CE-560XL) is classified and identified on Type Certificate Data Sheet No A22CE. Maintenance Steering Group (MSG)-3 logic from the ATA MSG-3 Operator/Manufacturer Scheduled Maintenance Development Document Rev 2005.1 was used to analyze the Citation 560XL and XLS (CE-560XL) aircraft and engines.

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- B. The MRBR for the Citation 560XL and XLS (CE-560XL) is based on an average annual utilization of 529 flight hours and 410 flight cycles (landings). Operators with aircraft utilization of less than 200 hours/130 landings per year must contact Cessna Aircraft Company in order to establish an appropriate scheduled maintenance/inspection program to be submitted to the Local Regulatory Authority.

4. General Rules that Apply to All Programs

- A. Some tasks contained within this report identify the interval “per manufacturer’s recommendations”, or “per manufacturer’s requirements”, for these tasks, the component manufacturer’s maintenance manual becomes part of the basis for continued airworthiness.
- B. Within this report the terms “Check” and “Inspection” are not intended to imply a level of skill required to accomplish this task.
- C. Life-limited parts must be retired in accordance with the limits established in the engine and aircraft Type Certificate Data Sheets or the Airworthiness Limitation Section of the engine or aircraft manufacturer’s Instructions for Continued Airworthiness.
- D. The use of Non-Destructive Inspection (NDI) methods, such as “X-ray”, “ultrasonic”, “eddy current”, “radio isotope”, etc., which are approved by the manufacturer, can provide an alternative to the methods prescribed in this report. Each operator should notify its Regulatory Authority of the use of an acceptable alternative method.
- E. Individual task intervals may be adjusted based on satisfactory substantiation by the operator, and approved by the operator’s local Regulatory Authority.
- F. Task interval parameters expressed in this Report may be converted to an individual operator’s desired units, provided that the conversion does not result in the Operator exceeding the MRB parameter basis. This conversion will be done with the approval of the local Regulatory Authority.
- G. Lubrication and/or servicing requirements specified in this document arise from the Maintenance Steering Group (MSG)-3 logic from the MSG-3 Rev 2005.1 analysis process (Maintenance Significant Items/MSI’s only), and do not represent the total lubrication and/or servicing provisions for the aircraft. Accordingly, operators of the Citation 560XL and XLS (CE-560XL) should refer to the manufacturer’s appropriate maintenance publications for additional lubrication and/or servicing recommendations.

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Section 1 Introduction

- H. All protective materials (e.g., Corrosion Inhibiting Compounds, Paints, etc.) shall be re-applied if removed to perform the inspection/maintenance task.
- I. An operator may take credit for tasks described in the report, when accomplished by qualified flight compartment and cabin attendant personnel who are on duty. Duties associated with the routine operation of the aircraft, on a daily basis, include the following:
- Procedures and checks performed during aircraft operation in accordance with the Aircraft Flight Manual.
 - Recognition of abnormalities or failures by the operating crew through the use of normal physical senses (e.g., odor, noise, vibration, temperature, visual observation of damage or failure, changes in physical input force requirements, etc.).
- J. It is the responsibility of the owner/operator to ensure that an outfitting agency identify outfitted items, which require restoration and/or life limits, into the operators maintenance program prior to entry into service.
- K. The tasks and frequencies given in this MRBR, form a part of the Instructions for Continued Airworthiness as required by 14 CFR Part 25.
- L. Service Bulletins may be referenced by number in this report for clarifying the procedural aspects of this program; however, they shall not be used for escalation purposes.

5. Details of Maintenance Program

- A. The maintenance program for the Citation 560XL and XLS (CE-560XL) is made up of Systems, Powerplant, Structural and Zonal maintenance tasks, which are outlined in this report. Nominal intervals have been identified as follows:

“A” Interval Tasks

600 Flight Hours

“A” intervals have a scheduling window of +/- 20 hours to keep the maintenance program aligned with other “A” interval inspections. Accomplish inspection between 580 and 620 hours to maintain nominal 600 hours.

“C” Interval Tasks

12 Months

“C” intervals have a scheduling window of +/- 1 months to keep the maintenance program aligned with other “C” interval inspections. Accomplish inspection between 11 and 13 months to maintain nominal 12 months.

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Section 1 Introduction

Note: For multiple “A” and “C” tasks, use multiples of basic check intervals stated above. (e.g. 2A = 1200 flight hours to be accomplished no earlier than 1180 and no later than 1220 flight hours, 3C = 36 Months to be accomplished no earlier than 35 and no later than 37 months to maintain nominal interval settings).

Note: Tasks listed with both “A” and “C” intervals (e.g. 2A/2C) are to be completed at the interval that occurs first. (e.g. 2A/2C is to be accomplished at either 1200 hours or 24 months, whichever occurs first).

Note: Accomplishment of tasks beyond the established “A” or “C” checks are not intended to be cumulative.

B. An operator may desire to perform “A” or “C” interval tasks on a continuous or manufacturer’s recommended maintenance program system (e.g., “A” or “C” interval tasks should be phased into a number of individual packages). This would be considered acceptable provided the maximum interval between successive tasks does not exceed that listed in this report. In the event of early accomplishment of an inspection task, before the start time, date or cycle of the inspection envelope, the next due-point for that task will be calculated from the point of the early accomplishment of that task (i.e., tasks performed early to set-up the desired phasing). The individual tasks or inspections should not be so numerous as to preclude a substantive evaluation of the condition of the entire aircraft

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Section 2 Systems and Power Plant Inspection Program

1. Purpose

- A. This section provides the basic scheduled tasks and intervals for the Systems, Powerplants and Auxiliary Power Unit, in addition to those tasks listed in the Powerplant and Auxiliary Power Unit Maintenance Manuals.

2. Program Rules

- A. Maintenance Steering Group (MSG)-3 logic from the ATA MSG-3 Operator/Manufacturer Scheduled Maintenance Development Document Rev 2005.1 was used to develop an on-wing scheduled maintenance program. With the exception of life-limited parts, this process does not normally include detailed off-wing shop maintenance procedures. Off-wing detailed procedures are in accordance with the manufacturer's Instructions for Continued Airworthiness which are required by the Regulations.

3. Certification Maintenance Requirements

- A. Certification Maintenance Requirements (CMR's) are located in the Citation 560XL/XLS (CE-560XL) Maintenance Manual, Chapter 4. CMR's refer to mandatory fixed interval maintenance task requirements established during the aircraft certification process. The operator must consider both MRB and Chapter 4 requirements when developing and maintaining their maintenance programs. For a list of CMR's refer to Appendix A.

4. Airworthiness Limitations Requirements

- A. Airworthiness Limitations are mandatory actions derived from the certification activities, namely, the Damage Tolerance Analysis and the Fatigue Tests. Airworthiness Limitations are established in order to fully comply with the requirements of 14 CFR 25.571 and, are required to be accomplished in strict compliance with the life limits, maximum intervals limits, inspection methods and SSI location established herein. The Airworthiness Limitations may be revised only with the approval of the regulatory authorities. For a list of Airworthiness Limitations refer to Appendix B.

5. Maintenance Significant Items (MSI's)

- A. All MSI's identified by the manufacturer have been subjected to the MSG-3 analysis. This process has resulted in the identification of maintenance tasks that are contained in this report. Those MSI's for which a task was not generated during the analysis are identified with a pound sign (#)

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Section 2 Systems and Power Plant Inspection Program

6. List Of Maintenance Significant Items (MSI's)

Chapter 21 Air Conditioning

- 21-10# Compression (Bleed Air)
- 21-20 Distribution
- 21-24# Distribution (Instrument Panel Cooling)
- 21-25 Distribution (Nose Avionics Cooling)
- 21-30 Pressurization Control
- 21-31 Pressurization Control (Baggage Pressurization)
- 21-51# Cooling (Environmental Control System)
- 21-52 Cooling (Vapor Cycle Cooling System)
- 21-60# Temperature Control
- 21-70 Moisture/Air Contaminant Control

Chapter 22 Auto Flight

- 22-10# Autopilot

Chapter 23 Communications

- 23-60 Static Discharging
- 23-70 Audio & Video Monitoring (Cockpit Voice Recorder)

Chapter 24 Electrical Power

- 24-20# AC Generation
- 24-30 DC Generation
- 24-31 DC Generation (Battery)

Chapter 25 Equipment Furnishing

- 25-10 Flight Compartment (Crew Seat)
- 25-20 Passenger Compartment (Passengers Seats)
- 25-60 Emergency (Emergency Locator Transmitter)
- 25-61 Emergency (Emergency Equipment)

Chapter 26 Fire Protection

- 26-10 Detection (Engine Fire Detection)
- 26-11 Detection (APU Fire Detection)
- 26-14 Detection (Baggage Compartment Smoke Detection)
- 26-20 Extinguishing (Engine Fire Extinguishing)
- 26-21 Extinguishing (Portable Fire Extinguisher)
- 26-22 Extinguishing (APU Fire Extinguishing)

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Section 2 Systems and Power Plant Inspection Program

Chapter 27 Flight Controls

- 27-10 Aileron and Tab
- 27-20 Rudder and Tab
- 27-21# Rudder and Tab (Rudder Bias)
- 27-30 Elevator and Tab
- 27-40 Horizontal Stabilizer
- 27-50 Flaps
- 27-60 Spoiler, Drag Devices and Variable Aerodynamic Fairings (Speed Brakes)
- 27-70 Gust Lock & Dampener (Gust Lock)

Chapter 28 Fuel

- 28-10 Storage
- 28-20# Distribution
- 28-21# Distribution (Single Point Refuel/Defuel System)
- 28-40 Indicating

Chapter 29 Hydraulic System

- 29-10 Main (-5001 thru -5500) (XL)
- 29-11 Main (-5501 & On) (XLS)
- 29-30# Indicating

Chapter 30 Ice and Rain Protection

- 30-10 Airfoil
- 30-21# Air Intakes (Engine Air Inlet)
- 30-30# Pitot and Static
- 30-31# Pitot and Static (Angle of Attack)
- 30-40 Windows, Windshields and Doors (Windshield Rain Removal)
- 30-41# Windows, Windshields and Doors (Electric Heated Glass Windshield)
- 30-70# Water Lines (Heated Drains)

Chapter 31 Indicating/Recording Systems

- 31-30 Recorders (Flight Data Recorder)

Chapter 32 Landing Gear

- 32-10 Main Gear and Doors
- 32-20 Nose Gear and Doors
- 32-30 Extension and Retraction
- 32-40 Wheels and Brakes (Wheels and Tires)
- 32-41 Wheels and Brakes (Brakes Master Cylinder System)
- 32-42 Wheels and Brakes (Brakes Digital Control System)
- 32-43 Wheels and Brakes (Nose Wheel Spin-Up)
- 32-50# Steering
- 32-60 Positioning and Warning

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Section 2 Systems and Power Plant Inspection Program

Chapter 33 Lights

33-50 Emergency Lighting

Chapter 34 Navigation

34-10 Flight Environment Data (Pitot/Static)
34-12# Flight Environment Data (Angle of Attack)
34-20# Attitude and Direction (Attitude and Heading Reference System)
34-21 Attitude and Direction (Standby Instruments Meggitt)
34-22 Attitude and Direction (Standby Instruments GH-3000)
34-50 Dependent Position Determining (Transponder)

Chapter 35 Oxygen

35-10 Crew
35-20 Passenger

Chapter 36 Pneumatic

36-10# Distribution (Bleed Air Distribution)
36-11 Distribution (Service Air Distribution)

Chapter 38 Water and Waste

38-20# Wash (Wash Water)
38-30 Waste Disposal (Externally Serviceable Toilet)
38-31# Waste Disposal (Overboard Drains)

Chapter 49 Airborne Auxiliary Power

49-10# Power Plant
49-11 Power Plant (Air Intakes)
49-12# Power Plant (Drains)
49-20 Engine
49-30 Engine Fuel and Control
49-40 Ignition/Starting
49-70# Indicating
49-80# Exhaust
49-90 Oil

Chapter 52 Doors

52-10 Passenger/Crew (Cabin Entry Door)
52-20 Emergency Exit (Emergency Exit)
52-30 Cargo
52-40 Service and Miscellaneous (Nose Compartment and Service Doors)
52-70# Monitoring and Operation (Door Warning System)

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Section 2 Systems and Power Plant Inspection Program

Chapter 71 Power Plant

- 71-60 Air Intakes
- 71-70 Engine Drains

Chapter 72 Engine Turbine

- 72-30 Compressor Section (LP Compressor) (PW)
- 72-32 Compressor Section (HP Compressor) (PW)
- 72-40# Combustion Section (PW)
- 72-50 Turbine Section (PW)
- 72-60 Accessory Drives (Accessory Gear Box) (PW)
- 72-70 By-pass Section (PW)

Chapter 73 Engine Fuel and Control

- 73-10 Distribution (Fuel Distribution) (PW)
- 73-20 Controlling (Fuel Controlling) (PW)
- 73-30# Indicating (Engine Fuel Control)

Chapter 74 Ignition

- 74-20 Ignition

Chapter 75 Air

- 75-10 Engine Anti-Icing (Air System) (PW)
- 75-40# Indicating

Chapter 76 Engine Controls

- 76-10 Power Control
- 76-14# Power Control

Chapter 77 Engine Indicating

- 77-10 Power (Engine Indicating, N1 & N2 Speeds) (PW)
- 77-20 Temperature (Engine Indicating, T1 and T6 Thermocouples) (PW)
- 77-40# Integrated Engine Instrument Systems (PW)

Chapter 78 Exhaust

- 78-30 Thrust Reverser
- 78-50 Engine Exhaust (PW)

Chapter 79 Oil

- 79-10 Oil System (PW)
- 79-30 Indicating

Chapter 80 Starting

- 80-10 Cranking

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Section 2 Systems and Power Plant Inspection Program

7. Non-Maintenance Significant Items

- A. Non-Maintenance Significant Items (Non-MSI's) are those not requiring full analysis under the MSG-3 analysis process. There are no Non-MSI's in the Citation 560XL/XLS (CE-560XL) program.

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	EXAMPLE Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
29-00-00			HYDRAULIC POWER			
29-10-00			Main Hydraulic System			
01	29-10-00-960	DS	1. Discard Hydraulic System Filters	6	4A/4C	No
02	29-10-00-700	FC	2. Functional Check of the Hydraulic System	6	4A/4C	No
03	29-10-00-750	IN	3. Special Detailed Inspection of the Hydraulic Fluid for Contamination	6	2A/2C	No
			↓ Description of MSI and Task			
			Task Type - (LU, SV, OP, VC, FC, IN, RS, DS) See Appendix F.			
			Task Number that appears in the Citation Sovereign Maintenance Manual.			
			MSI Reference Number			
			Category (MSG-3) ←			
			5 - Evident Safety			
			6 - Evident Operational Economic			
			7 - Evident Non Operational Economic			
			8 - Hidden Safety			
			9 - Hidden Non-Safety Economic			
			Interval/Notes - Task must be accomplished at this interval. ←			
			Notes - Additional task interval information.			
			ZIP - (Zonal Inspection Program) ←			
			YES = Task is incorporated in the Zonal Program			
			NO = Non-Zonal Applicability (Task remains with the System Program)			

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 21 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
21-00-00			AIR CONDITIONING SYSTEM			
21-20-00			Distribution			
01	21-22-00-210	DET	1. Detailed Inspection of the Cabin Air Distribution Check Valve	8	4A/4C	No
21-25-00			Distribution (Nose Avionics Cooling)			
01	30-40-00-710	FNC	1. Functional Check of the Nose Avionics Compartment Over-Temperature Switch	9	4C	No
21-30-00			Pressurization Control			
01	21-30-00-710	FNC	1. Functional Check of the Pressurization System	9	2A/2C	No
21-31-00			Pressurization (Emergency Pressurization)			
01	21-31-05-720	FNC	1. Functional Check of the Cabin Altitude Pressure Switch	8	4A/4C	No
02			2. Task Deleted Revision 1. Refer to Appendix D			
03	21-30-00-710	FNC	3. Functional Check of the Pressurization System	8	2A/2C	No
21-52-00			Cooling (Vapor Cycle Cooling System)			
01		DIS	1. Discard of the Evaporator Blower Motor NOTE: Per Manufacturer's Recommendation	9	Note	No
02		DIS	2. Discard of the Motor Compressor Drive Bearings NOTE: Per Manufacturer's Recommendation	9	Note	No
03		DIS	3. Discard of the Motor Compressor Drive Brushes NOTE: Per Manufacturer's Recommendation	9	Note	No
04		DIS	4. Discard of the Receiver Dryer Assembly NOTE: Per Manufacturer's Recommendation	9	Note	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 21 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
05		RST	5. Restoration (Overhaul) of the Compressor Drive Motor NOTE: Per Manufacturer's Recommendation	9	Note	No
06		SVC	6. Servicing of the Vapor Cycle Cooling System NOTE: Per Manufacturer's Recommendation (800 Compressor Hours)	9	Note	No
07		SVC	7. Servicing of the Vapor Cycle Cooling System NOTE: Per Manufacturer's Recommendation (1500 Compressor Hours)	9	Note	No
21-70-00			Moisture/Air Contaminant Control			
01	12-19-02-161	RST	1. Restoration (Cleaning) of the Ozone Converter	9	5A	No
02	12-19-02-160	RST	2. Restoration (Cleaning) of the Water Separator	6	2A/2C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 23 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
23-00-00			COMMUNICATIONS			
23-60-00			Static Discharging			
01	23-90-60-720	FNC	1. Functional Check of Static Discharging System	9	4C and every 2C thereafter	No
23-70-00			Audio And Video Monitoring			
01	23-90-70-960	DIS	1. Discard Underwater Locator Beacon Battery (CVR) NOTE: Per Manufacturer's Recommendation	9	Note	No
02	23-90-70-720	FNC	2. Functional Check of the Underwater Locator Beacon (CVR) NOTE: Per Manufacturer's Recommendation	9	Note	No
03	23-90-70-710	OPC	3. Operational Check of the Cockpit Voice Recorder Audio System	9	2C	No
04			4. Task Deleted Revision 1. Refer to Appendix D			

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 24 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
24-00-00			ELECTRICAL POWER			
24-30-00			DC Generation			
01	24-90-50-720	FNC	1. Functional Check (Capacity Check) of the Lead Acid Battery NOTE: Per Manufacturer's Recommendation	6	Note	No
02	24-90-50-722	FNC	2. Functional Check (Capacity Check) of the Marathon Ni-Cad Battery NOTE: Refer to Appendix J Cessna Defined Intervals	6	Note	No
03	24-90-50-721	FNC	3. Functional Check (Capacity Check) of the Saft Ni-Cad Battery NOTE: Refer to Appendix J Cessna Defined Intervals	6	Note	No
04	24-90-50-840	RST	4. Restoration (Deep Cycle) of the Saft Ni-Cad Battery NOTE: Per Manufacturer's Recommendation	6	Note	No
05	80-90-11-840	RST	5. Restoration (Overhaul) of the APU Starter Generator NOTE: Per Manufacturer's Recommendation NOTE: Hours are based on APU operating hours	6	Note	No
06	80-90-10-840	RST	6. Restoration (Overhaul) of the Engine Starter Generator NOTE: Per Manufacturer's Recommendation	6	Note	No
24-31-00			DC Generation (Battery)			
01	24-90-50-720	FNC	1. Functional Check (Capacity Check) of the Lead Acid Battery NOTE: Per Manufacturer's Recommendation	6	Note	No
02	24-90-50-722	FNC	2. Functional Check (Capacity Check) of the Marathon Ni-Cad Battery NOTE: Refer to Appendix J Cessna Defined Intervals	6	Note	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 24 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
03	24-90-50-721	FNC	3. Functional Check (Capacity Check) of the Saft Ni-Cad Battery <u>NOTE:</u> Refer to Appendix J Cessna Defined Intervals	6	Note	No
04	24-90-50-840	RST	4. Restoration (Deep Cycle) of the Saft Ni-Cad Battery <u>NOTE:</u> Per Manufacturer's Recommendation	6	Note	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 25 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
25-00-00			EQUIPMENT/FURNISHING			
25-10-00			Flight Compartment (Crew Seats)			
01	25-90-10-220	DET	1. Detailed Inspection of the Crew Seats	8	4A/4C	No
25-20-00			Passenger Compartment (Passenger Seats)			
01	25-90-20-220	DET	1. Detailed Inspection of the Passenger Seats	8	4C	No
25-60-00			Emergency (Emergency Locator Transmitter)			
01	25-90-60-225	DET	1. Detailed Inspection of the Emergency Locator Transmitter System NOTE: 12 Months Per 14 CFR 91.207 or in accordance with applicable local or national regulations	8	Note	No
02	25-90-60-960	DIS	2. Discard of the Emergency Locator Transmitter Battery NOTE: Per Manufacturer's Recommendation	8	Note	No
03	25-90-60-710	FNC	3. Functional Check of the Emergency Locator Transmitter System NOTE: 12 Months Per 14 CFR 91.207 or in accordance with applicable local or national regulations	8	Note	No
25-61-00			Emergency (Emergency Equipment)			
01	25-60-01-210	DET	1. Detailed Inspection of the First Aid Kit	8	1C	No
02	25-90-60-221	DET	2. Detailed Inspection of the Liferaft	8	1C	No
03	25-90-60-222	DET	3. Detailed Inspection of the Lifevest	8	1C	No
04	25-90-60-223	DET	4. Detailed Inspection of the Smoke Goggle Assembly	8	1C	No
05	25-90-60-224	DET	5. Detailed Inspection of the Water Barrier Assembly	8	1C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 26 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
26-00-00			FIRE PROTECTION			
26-10-00			Detection (Engine Fire Detection)			
01		GVI	1. General Visual Inspection of the Engine Fire Detector Assembly NOTE: Transferred to Zonal Inspection Program Zonal Task Reference Number 71-400-1	9	Zonal	Yes
26-11-00			Detection (APU Fire Detection)			
01		GVI	1. General Visual Inspection of the APU Fire Detector Assembly NOTE: Transferred to Zonal Inspection Program Zonal Task Reference Number 71-400-1	9	Zonal	Yes
26-14-00			Detection (Baggage Compartment Smoke Detection)			
01	26-90-10-711	OPC	1. Operational Check of the Baggage Compartment Smoke Detection System	9	4A/4C	No
26-20-00			Extinguishing (Engine Fire Extinguishing)			
01	26-90-30-960	DIS	1. Discard of the Engine Fire Bottle Cartridges NOTE: Per Manufacturer's Recommendation	8	Note	No
02	26-90-20-720	FNC	2. Functional Check of the Engine Fire Extinguishing System	8	4A/4C	No
03			3. Task Deleted Revision 1. Refer to Appendix D			
04	26-90-30-710	OPC	4. Operational Check of the Fuel Shutoff Valve	8	1C	No
05	26-90-30-711	OPC	5. Operational Check of the Hydraulic Shutoff Valve	8	1C	No
06	26-90-20-840	RST	6. Restoration (Hydrostatic Test) of the Engine Fire Extinguisher Bottle NOTE: Per Manufacturer's Recommendation	8	Note	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 26 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
26-21-00			Extinguishing (Portable Fire Extinguisher)			
01	26-90-20-721	FNC	1. Functional Check (Weight Check) of the Portable Fire Extinguisher	8	1C	No
02	26-90-20-841	RST	2. Restoration (Hydrostatic Test) of the Portable Fire Extinguisher NOTE: Per Manufacturer's Recommendation	8	Note	No
03	26-90-20-842	RST	3. Restoration (Internal Inspection) of the Portable Fire Extinguisher NOTE: Per NFPA 10	8	6C	No
26-22-00			Extinguishing (APU Fire Extinguishing)			
01	26-90-30-961	DIS	1. Discard of the APU Fire Bottle Cartridge NOTE: Per Manufacturer's Recommendation	8	Note	No
02	26-90-20-722	FNC	2. Functional Check of the APU Fire Extinguishing System	8	4A/4C	No
03	26-90-20-843	RST	3. Restoration (Hydrostatic Test) of the APU Fire Extinguisher Bottle NOTE: Per Manufacturer's Recommendation	8	Note	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 27 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
27-00-00			FLIGHT CONTROLS			
27-10-00			Aileron and Tab			
01	27-10-00-220	FNC	1. Functional Check (Free Play) of the Aileron Trim Tab	6	1A/1C	No
02	27-90-10-721	FNC	2. Functional Check of the Aileron and Aileron Trim Tab Control System	6	4A/4C then 2A/4C thereafter	No
03	27-10-00-212	FNC	3. Functional Check of the Aileron Outboard Wing Control Cables	6	2A/4C	No
04	27-90-10-640	LUB	4. Lubrication of the Aileron Trim Tab Actuator	6	1A/1C	No
27-20-00			Rudder and Tab			
01	27-20-00-220	FNC	1. Functional Check (Free Play) of the Rudder Trim Tab	6	1A/1C	No
02	27-90-20-721	FNC	2. Functional Check of the Rudder and Rudder Trim Control System	6	4A/4C then 2A/4C thereafter	No
03	27-90-20-640	LUB	3. Lubrication of the Rudder Trim System	6	1A/1C	No
27-30-00			Elevator and Tab			
01	27-90-30-720	FNC	1. Functional Check of the Elevator and the Elevator Trim Tab System	6	4A/4C then 2A/4C thereafter	No
02	27-90-30-640	LUB	2. Lubrication of the Elevator Trim Tab Actuator	6	1A/1C	No
27-40-00			Horizontal Stabilizer			
01	27-90-40-720	FNC	1. Functional Check of the Two-Position Horizontal Stabilizer	6	4A/4C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 27 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
27-50-00			Flaps			
01	27-90-50-720	FNC	1. Functional Check of the Flap System	8	4A/4C	No
02	12-90-20-640	LUB	2. Lubrication of the Flap System	8	1A/1C	No
27-60-00			Spoilers, Drag Devices and Variable Aerodynamic Fairings (Speed Brakes)			
01	27-61-00-210	DET	1. Detailed Inspection of the Speed Brake System	6	4A/4C	No
27-70-00			Gust Lock and Dampener (Gust Lock)			
01	27-71-00-710	OPC	1. Operational Check of the Gust Lock System	9	4A/4C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 28 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
28-00-00			FUEL			
28-10-00			Storage			
01	28-10-00-210	DET	1. Detailed Inspection of the Fuel Storage System	5	4C	No
02	28-11-04-210	LUB	2. Lubrication of the Fuel Filler Cap	6	1C	No
28-40-00			Indicating			
01	28-42-00-710	FNC	1. Functional Check of the Low Fuel Warning System	9	4C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 29 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
29-00-00			HYDRAULIC POWER			
29-10-00			Main (-5001 thru -5500) (XL)			
01	29-11-04-901	DIS	1. Discard of the Hydraulic System Filters	6	6C	No
29-11-00			Main (-5501 and On) (XLS)			
01	29-11-04-901	DIS	1. Discard of the Hydraulic System Filters	6	6C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 30 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
30-00-00			ICE AND RAIN PROTECTION			
30-10-00			Airfoil			
01	30-90-10-720	FNC	1. Functional Check of the Horizontal Stabilizer De-Ice System	8	1A/1C	No
02	30-11-00-710	OPC	2. Operational Check of the Bleed Air Anti-Ice System	8	4A/4C	No
30-40-00			Windows, Windshields and Doors (Windshield Rain Removal)			
01	56-11-00-720	DET	1. Detailed Inspection of the Windshield Surface Treatment	9	400 Hrs/1C	No
			NOTE: Task interval determined by Cessna Engineering Report AI-GEN-517			

Prepared by: Cessna Maintenance Engineering
Revision: 02
April 22, 2009

Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 31 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
31-00-00			INDICATING/RECORDING SYSTEMS			
31-30-00			Recorders (Flight Data Recorder)			
01	31-90-30-960	DIS	1. Discard Underwater Locator Beacon Battery (FDR) NOTE: Per Manufacturer's Recommendation	9	Note	No
02	31-90-30-720	FNC	2. Functional Check of the Flight Data Recorder System	7	4C	No
03	31-90-30-721	FNC	3. Functional Check of the Underwater Locator Beacon (FDR) NOTE: Per Manufacturer's Recommendation	9	Note	No
04			4. Task Deleted Revision 1. Refer to Appendix D			

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July 11, 2008

Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 32 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
32-00-00			LANDING GEAR			
32-10-00			Main Gear and Doors			
01	32-10-00-960	DIS	1. Discard of the Main Landing Gear Breather Vent	6	1A/1C	No
02	32-90-10-720	FNC	2 Functional Check of the Landing Gear System	8	4A/4C	No
03	12-90-20-641	LUB	3. Lubrication of the Landing Gear System	6	1A/1C	No
32-20-00			Nose Gear and Doors			
01	32-90-10-720	FNC	1 Functional Check of the Landing Gear System	8	4A/4C	No
02	12-90-20-641	LUB	2. Lubrication of the Landing Gear System	6	1A/1C	No
03	12-90-20-610	SVC	3. Servicing of the Shimmy Dampener Assembly	6	1A/1C	No
32-30-00			Extension and Retraction			
01	32-90-10-720	FNC	1. Functional Check of the Landing Gear System	8	4A/4C	No
02	32-30-09-280	RST	2. Restoration (Hydrostatic Test) of the Pneumatic Storage Bottle	9	Note	No
			NOTE: Per Manufacturer's Recommendation			
32-40-00			Wheels and Brakes (Wheels and Tires)			
01	32-90-40-220	DET	1. Detailed Inspection of the Landing Gear Brakes	6	1A/1C	No
02	32-90-40-280	SDI	2. Special Detailed Inspection (NDI) of the Landing Gear Wheels	8	Note	No
			NOTE: Per Manufacturer's Recommendation			

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 32 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
32-41-00			Wheels and Brakes (Master Cylinder System)			
01	32-90-40-221	DET	1. Detailed Inspection of the Emergency Brake System	8	4A/4C	No
02	32-90-40-220	DET	2. Detailed Inspection of the Landing Gear Brakes	8	1A/1C	No
03	32-90-40-960	DIS	3. Discard of the Brake System Filters	8	6C	No
04	32-42-09-710	OPC	4. Operational Check of the Emergency Brake System	8	4A/4C	No
05	32-30-09-280	RST	5. Restoration (Hydrostatic Test) of the Pneumatic Storage Bottle	8	Note	No
			NOTE: Per Manufacturer's Recommendation			
32-42-00			Wheels and Brakes (Digital Control System)			
01	32-90-40-221	DET	1. Detailed Inspection of the Emergency Brake System	8	4A/4C	No
02	32-90-40-220	DET	2. Detailed Inspection of the Landing Gear Brakes	8	1A/1C	No
03	32-90-40-960	DIS	3. Discard of the Brake System Filters	9	6C	No
04	32-42-09-710	OPC	4. Operational Check of the Emergency Brake System	8	4A/4C	No
05	32-30-09-280	RST	5. Restoration (Hydrostatic Test) of the Pneumatic Storage Bottle	8	Note	No
			NOTE: Per Manufacturer's Recommendation			
32-43-00			Wheels and Brakes (Nose Wheel Spin-Up System)			
01		FNC	1. Functional Check of the Nose Wheel Spin-up System	6	Note	No
			NOTE: Access Defined (During each wheel removal and installation)			
32-60-00			Positioning and Warning			
01	32-90-10-720	FNC	1. Functional Check of the Landing Gear System	8	4A/4C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 33 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
33-00-00			LIGHTS			
33-50-00			Emergency Lighting			
01	33-90-50-720	FNC	1. Functional Check (Capacity Check) of the Emergency Battery Pack	8	2C	No
02	33-50-00-710	OPC	2. Operational Check of the Emergency Lighting System	8	1C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 34 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
34-00-00			NAVIGATION			
34-10-00			Flight Environment Data (Pitot/Static)			
01	34-90-10-210	FNC	1. Functional Check of the Pitot/Static System NOTE: 24 Calendar Months Per 14 CFR 91.411 or in accordance with applicable local or national regulations	6	Note	No
34-21-00			Attitude and Direction (Standby Instruments Meggit)			
01	34-20-00-762	FNC	1. Functional Check (Capacity Check) of the L3 Com Standby Battery Pack NOTE: Per Manufacturer's Recommendation	9	Note	No
02	34-90-10-210	FNC	2. Functional Check of the Pitot/Static System NOTE: 24 Calendar Months Per 14 CFR 91.411 or in accordance with applicable local or national regulations	6	Note	No
03	34-90-20-710	OPC	3. Operational Check (Periodic Check) of the L3 Com Standby Battery Pack NOTE: Per Manufacturer's Recommendation	9	Note	No
34-22-00			Attitude and Direction (Standby Instruments GH3000)			
01	34-90-20-960	DIS	1. Discard of the Securaplane Standby Battery NOTE: Per Manufacturer's Recommendation	9	Note	No
02	34-20-00-762	FNC	2. Functional Check (Capacity Check) of the L3 Standby Battery Pack NOTE: Per Manufacturer's Recommendation	9	Note	No
03	34-90-10-210	FNC	3. Functional Check of the Pitot-Static System NOTE: 24 Calendar Months Per 14 CFR 91.411 or in accordance with applicable local or national regulations	6	Note	No

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 34 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
04	34-20-00-763	OPC	4. Operational Check (Energy Level) of the Securaplane Standby Battery	9	6 months	No
05	34-90-20-710	OPC	5. Operational Check (Periodic Check) of the L3 Com Standby Battery Pack	9	Note	No
34-50-00			NOTE: Per Manufacturer's Recommendation Dependent Position Determining (Transponder)			
01	23-90-20-720	FNC	1. Functional Check of the Transponder System NOTE: 24 Calendar Months Per 14 CFR 91.413 or in accordance with applicable local or national regulations.	6	Note	No

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 35 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
35-00-00			OXYGEN			
	35-10-00		Crew			
01	35-90-10-220	DET	1. Detailed Inspection of the Crew Masks and Storage Boxes	8	3C	No
02	35-90-00-960	DIS	2. Discard of the Oxygen Bottle NOTE: Per Manufacturer's Recommendation	8	Note	No
03	35-90-00-840	RST	3. Restoration (Hydrostatic Test) of the Oxygen Bottle NOTE: Per Manufacturer's Recommendation	6	Note	No
04	35-90-10-840	RST	4. Restoration (Overhaul) of the Crew Masks NOTE: Per Manufacturer's Recommendation	8	Note	No
	35-20-00		Passenger			
01	35-90-20-220	DET	1. Detailed Inspection of the Dropout Boxes and Masks Assembly	8	4C	No
02	35-01-00-710	FNC	2. Functional Check of the Passenger Oxygen System	8	4C	No
03	35-90-20-710	OPC	3. Operational Check of the Passenger Oxygen System	8	2C	No

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 36 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
36-00-00 36-11-00 01	36-15-00-170	RST	<p style="text-align: center;">PNEUMATIC</p> <p>Distribution (Service Air)</p> <p>1. Restoration (Cleaning) of the Cabin Door Particulate Trap</p>	6	4A/4C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 38 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
38-00-00 38-30-00 01	38-30-02-720	DET	<p style="text-align: center;">WATER/WASTE</p> <p>Waste Disposal (Externally Serviceable Toilet)</p> <p>1. Detailed Inspection of the Externally Serviceable Toilet</p>	9	3A/3C	No

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 49 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
49-00-00			AIRBORNE AUXILIARY POWER UNIT			
49-11-00			Power Plant (Air Intakes)			
01	80-90-11-220	DET	1. Detailed Inspection of the APU Starter/Generator NOTE: Hours are based on APU operating hours	7	500 Hours	No
49-20-00			Engine			
01	80-90-11-220	DET	1. Detailed Inspection of the APU Starter/Generator NOTE: Hours are based on APU operating hours	7	500 Hours	No
02	49-90-10-960	DIS	2. Discard of the APU Compressor Rotor NOTE: Per Manufacturer's Recommendation	9	Note	No
03	49-90-10-961	DIS	3. Discard of the APU Turbine Rotor NOTE: Per Manufacturer's Recommendation	9	Note	No
04	80-90-11-840	RST	4. Restoration (Overhaul) of the APU Starter/Generator NOTE: Per Manufacturer's Recommendation	7	Note	No
49-30-00			Engine Fuel and Control			
01	49-90-30-960	DIS	1. Discard of the APU Fuel Filter Element NOTE: Hours are based on APU operating hours	9	1000 Hours/2C	No
49-40-00			Ignition/Starting			
01	49-90-40-220	DET	1. Detailed Inspection of the APU Igniter Plug NOTE: Hours are based on APU operating hours	9	1000 Hours	No

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 49 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
02	80-90-11-220	DET	2. Detailed Inspection of the APU Starter/Generator NOTE: Hours are based on APU operating hours	7	500 Hours	No
03	80-90-11-840	RST	3. Restoration (Overhaul) of the APU Starter/Generator NOTE: Per Manufacturer's Recommendation NOTE: Hours are based on APU operating hours	7	Note	No
49-90-00			Oil			
01	49-90-70-220	DET	1. Detailed Inspection of the APU Magnetic Chip Collector NOTE: Hours are based on APU operating hours	9	500 Hours/2C	No
02	49-90-90-960	DIS	2. Discard of the APU Oil Filter Element NOTE: Hours are based on APU operating hours	9	1000 Hours/2C	No
03	49-90-90-961	DIS	3. Discard of the APU Oil NOTE: Hours are based on APU operating hours	9	1000 Hours/2C	No

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 52 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
52-00-00			DOORS			
52-10-00			Passenger/Crew (Cabin Entry Door)			
01	52-10-00-210	DET	1. Detailed Inspection of the Cabin Door	8	4A/4C	No
02	52-90-10-210	GVI	2. General Visual Inspection of the Cabin Door Seals	6	1C	No
03	52-90-00-640	LUB	3. Lubrication of the Aircraft Locks	9	1C	No
52-20-00			Emergency Exit			
01	52-20-00-210	DET	1. Detailed Inspection of the Emergency Exit Door	8	2C	No
52-30-00			Cargo			
01	52-90-30-220	DET	1. Detailed Inspection of the Baggage Compartment Door	6	4A/4C	No
02	52-90-00-640	LUB	2. Lubrication of the Aircraft Locks	6	1C	No
52-40-00			Service and Miscellaneous			
01	52-90-00-640	LUB	1. Lubrication of the Aircraft Locks	9	1C	No

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 71 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
71-00-00			POWER PLANT			
71-60-00 01		GVI	Air Intakes 1. General Visual Inspection of the Engine Air Inlet System <u>NOTE:</u> Transferred to Zonal Inspection Program Zonal Task Reference Number 71-400-1	6	Zonal	Yes
71-70-00 01		GVI	Engine Drains 1. General Visual Inspection of the Engine Drain Lines <u>NOTE:</u> Transferred to Zonal Inspection Program Zonal Task Reference Number 71-400-1	9	Zonal	Yes

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 72 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
72-00-00			ENGINE TURBINE			
72-30-00			Compressor Section (LP Compressor) (PW)			
01		DIS	1. Discard of the Engine Life Limited Engine Components NOTE: Per Manufacturer's Recommendation	5	Note	No
02		GVI	2. General Visual Inspection of the Fan Case and Compressor Inlet	6	1A/1C	No
03		GVI	3. General Visual Inspection of the Fan Exit Stator Vanes	6	1A/1C	No
04		GVI	4. General Visual Inspection of the Tubing	6	1A/1C	No
72-32-00			Compressor Section (HP Compressor) (PW)			
01		DIS	1. Discard of the Engine Life Limited Engine Components NOTE: Per Manufacturer's Recommendation	6	Note	No
02		GVI	2. General Visual Inspection of the Fan Case and Compressor Inlet	6	1A/1C	No
72-50-00			Turbine Section (PW)			
01		DIS	1. Discard of the Engine Life Limited Engine Components NOTE: Per Manufacturer's Recommendation	9	Note	No
72-60-00			Accessory Drives (Accessory Gear Box) (PW)			
01		GVI	1. General Visual Inspection of the Accessory Gear Box Accessories	6	1A/1C	No
02		GVI	2. General Visual Inspection of the Accessory Gear Box Pad Seals	6	1A/1C	No
72-70-00			By-pass Section (PW)			
01		GVI	1. General Visual Inspection of the Bypass Ducts	6	1A/1C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 73 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
73-00-00			ENGINE FUEL AND CONTROL			
73-10-00			Distribution (PW)			
01	DIS	1. Discard of the Fuel Filter		9	Note	No
		NOTE: Per Manufacturer's Recommendation				
02	DET	2. Detailed Inspection of the Fuel Filter		9	1A/1C	No
03	GVI	3. General Visual Inspection of the Fuel/Oil Heat Exchanger		9	1A/1C	No
04	GVI	4. General Visual Inspection of the Tubing		9	1A/1C	No
73-20-00			Controlling (PW)			
01	GVI	1. General Visual Inspection of the FDV (Flow Divider Valve)		9	1A/1C	No
02	GVI	2. General Visual Inspection of the HMU (Hydromechanical Metering Unit)		6	1A/1C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 74 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
74-00-00			IGNITION			
74-20-00			Ignition(PW)			
01		DET	1. Detailed Inspection of the Spark Igniters	6	300 Hours	No
02		FNC	2. Functional Check of the Ignition System	6	1A/1C	No
03		GVI	3. General Visual Inspection of the Ignition Exciters	6	1A/1C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 74 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
75-00-00 75-10-00 01		OPC	<p style="text-align: center;">AIR</p> <p>Air System (PW)</p> <p>1. Operational Check of the Engine Anti-Ice P3 Servo Pipe</p>	6	1A/1C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 76 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
76-00-00			ENGINE CONTROLS			
76-10-00			Power Control			
01		DET	1. Detailed Inspection of the Engine Electrical Wire Harnesses	9	Note	No
02	76-10-00-620	FNC	2. Functional Check of the FCU Throttle Lever Cutoff (Airplanes -5001 thru -5196 Not Incorporating SB560XL-76-03)	7	150 Hours	No
03	76-10-00-620	FNC	3. Functional Check of the FCU Throttle Lever Cutoff (Airplanes -5197 and On and Airplanes -5001 thru -5196 Incorporating SB560XL-76-03)	7	300 Hours	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 77 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
77-00-00			INDICATING			
77-10-00			Engine Indicating, N₁ and N₂ (PW)			
01		DET	1. Detailed Inspection of the Wiring Harness Connectors <u>NOTE:</u> Per Manufacturer's Recommendation	6	Note	No
02		GVI	2. General Visual Inspection of the Wiring	6	1A/1C	No
77-20-00			Engine Indicating, T₁ and T₆ Thermocouples (PW)			
01		GVI	1. General Visual Inspection of the Wiring	6	1A/1C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 78 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
78-00-00			EXHAUST			
78-30-00			Thrust Reverser			
01	78-31-00-210	DET	1. Detailed Inspection of the Thrust Reverser System	9	2A/2C	No
02	78-31-00-642	DET	2. Detailed Inspection of the Thrust Reverser (C-5A Lubrication Method) NOTE: Per Manufacturer's Recommendation	9	600 hrs	No
03	78-90-30-720	FNC	3. Functional Check of the Thrust Reverser System	9	2A/2C	No
04	78-31-00-641	LUB	4. Lubrication of the Thrust Reverser Guide Rods (D-5100NS Aerosol Spray Lubrication Method)	9	300 hrs	No
05	78-31-00-640	LUB	5. Lubrication of the Thrust Reverser (WC-393 Non-Aerosol Spray Lubrication Method)	9	300 hrs	No
78-50-00			Engine Exhaust (PW)			
01		GVI	1. General Visual Inspection of the Emergency Fuel Off Cable	6	900 Hours/2C	No
02		GVI	2. General Visual Inspection of the LP Turbine NOTE: Per Manufacturer's Recommendation	6	Note	No
03		GVI	3. General Visual Inspection of the Tubing	6	1A/1C	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 79 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
79-00-00			OIL			
79-10-00			Oil System (PW)			
01		DIS	1. Discard of the Oil Filter NOTE: Per Manufacturer's Recommendation	9	Note	No
02		FNC	2. Functional Check of the Chip Detector	9	1A	No
03		GVI	3. General Visual Inspection of the Accessory Gear Box Breather	9	1A/1C	No
04		GVI	4. General Visual Inspection of the Accessory Gear Box Pad Seals	9	1A/1C	No
05		GVI	5. General Visual Inspection of the Oil Filter	9	1A/1C	No
06		GVI	6. General Visual Inspection of the Tubing	6	1A/1C	No
07		GVI	7. General Visual Inspection of the Wiring	6	1A/1C	No
79-30-00			Indicating (PW)			
01		DET	1. Detailed Inspection of the Engine Chip Detector	9	1A	No

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Section 2 Systems and Power Plant Inspection Program

MSI Reference Number	Task Reference Number	Task	Chapter 80 Maintenance Significant Items and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
80-00-00 80-10-00 01	80-90-10-840	RST	<p style="text-align: center;">STARTING</p> <p>Cranking</p> <p>1. Restoration (Overhaul) of the Engine Starter Generator</p> <p><u>NOTE:</u> Per Manufacturer's Recommendation</p>	6	Note	No

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Section 3 Structural Inspection Program

1. Purpose

- A. This section provides the basic scheduled tasks and intervals applicable to the aircraft structure. These tasks have been developed considering the following types of damage sources.
- (AD) Accidental Damage
 - (ED) Environmental Deterioration
 - (FD) Fatigue Damage
- B. The Environmental Deterioration (ED) tasks in this section were developed taking into account the concerns of a Corrosion Prevention and Control Program (CPCP), with the objective of controlling corrosion on the aircraft to Corrosion Level 1 or better.

2. Program Rules

- A. All aircraft in an operator's group shall be subject to the provisions of this report. These requirements include external and internal inspections, structural sampling and age-exploration programs, corrosion prevention and control programs, and additional supplemental structural inspections that may be required for fatigue-related items. A reliability program shall not be used to escalate the inspection interval, or delete the task, on any structural inspection item listed in the Airworthiness Limitations section. Initial check intervals for the Structural Inspection Program are expressed in calendar time, flight cycles, or flight hours. No repeat inspection interval shall be escalated until at least one aircraft in an operator's group has been inspected within the initially defined interval listed in the MRBR.
- B. When inspections indicate the evidence of deterioration, appropriate actions must be taken. For example, additional samples, decreased intervals, etc.
- C. All inspections are Zone Specific.
- D. Unless otherwise noted, it is understood that the removal or displacement of components/installations/lining/insulation is not required to perform the inspection.
- E. Structural inspection limitations listed in Citation 560XL and XLS (CE-560XL) Maintenance Manual, Chapter 4 titled "Airworthiness Limitations", must be included in the operator's maintenance plan.

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Section 3 Structural Inspection Program

3. Recording Requirements

- A. The Citation 560XL and XLS (CE-560XL) tasks are necessary to maintain the aircraft to Corrosion Level 1 or better.

Corrosion Level 1 is:

Corrosion damage that does not require structural reinforcement or replacement

Or

Corrosion occurring between successive inspections exceeds allowable limits, but is local and can be attributed to an event not typical of operator usage or other aircraft in the same fleet (e.g. mercury spill).

- B. Results of inspections should be recorded and kept by the operator; findings of corrosion which exceed Level 1 must be reported to Cessna Aircraft Company upon discovery.

4. List of Structural Significant Items (SSI's)

Chapter 32 Landing Gear

32-10-01 Main Landing Gear

32-20-01 Nose Landing Gear Assy

Chapter 52 Doors

52-10-01 Cabin Entry Door

52-20-01 Escape Hatch

Chapter 53 Fuselage

53-10-01 Nose Structure

53-10-02 Fuselage External Structure

53-10-03 Fuselage Internal Structure Above Floor

53-10-04 Fuselage Internal Structure Below Floor

53-10-05 Forward Pressure Bulkhead

53-10-06 Aft Pressure Bulkhead

53-20-01 Tailcone Internal Section

Chapter 54 Pylon

54-10-01 Nacelles (Cowling)

54-50-01 Pylons

Chapter 55 Stabilizers

55-10-01 Horizontal Stabilizer

55-20-01 Elevator

55-30-01 Vertical Stabilizer

55-40-01 Rudder

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Section 3 Structural Inspection Program

Chapter 56 Windshields

- 56-10-01 Cockpit Windshield
- 56-10-02 Cockpit Side Windows
- 56-20-01 Cabin Windows

Chapter 57 Wings

- 57-10-01 Wing Structure
- 57-10-02 Wing Attach Links
- 57-50-01 Flaps
- 57-60-01 Ailerons
- 57-70-01 Speed Brakes

Chapter 71 Powerplant

- 71-20-01 Engine Mounts

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Section 3 Structural Inspection Program

SSI Reference Number	Task Reference Number	Task	EXAMPLE Structure Significant Items and Task Description(s)/Applicability	Interval/ Note(s)	Zone(s)	ZIP
52-00-00 52-10-00			DOORS			
01		GVI	PASSENGERS/CREW ENTRANCE DOOR 1. General Visual Inspection of the Passenger/Crew Entry Door (External) <u>NOTE:</u> Task Transferred to Zonal Inspection Program Zonal Task Reference Number 53-200-04			Yes
02	52-10-00-222	DET	2. Detailed Inspection of the Passenger/Crew Entry Door <hr/> <div style="text-align: center;">↓</div> Description of SSI and specific area of concern Task Type See Appendix F Task Number that appears in the Citation X Maintenance Manual SSI Reference Number Inspection Interval - Task must be accomplished at this interval Zone(s) in which task is applicable ZIP - (Zonal Inspection Program) Y - Task is applicable for transfer to ZIP N - Not applicable for transfer, Task remains with the Structures Program	4A/4C	810	No

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Section 3 Structural Inspection Program

SSI Reference Number	Task Reference Number	Task	Chapter 32 Structure Significant Items and Task Description(s)/Applicability	Interval/ Note(s)	Zone(s)	ZIP
32-00-00			LANDING GEAR AND DOORS			
32-10-01 01		GVI	Main Landing Gear 1. General Visual Inspection of the Main Landing Gear <u>NOTE:</u> Task Transferred to ZIP Zonal Inspection Task Reference Number 32-700-1	Zonal	720, 730	Yes
32-20-01 01		GVI	Nose Landing Gear 1. General Visual Inspection of the Nose Landing Gear <u>NOTE:</u> Task Transferred ZIP Zonal Inspection Task Reference Number 32-700-1	Zonal	710	Yes

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Section 3 Structural Inspection Program

SSI Reference Number	Task Reference Number	Task	Chapter 52 Structure Significant Items and Task Description(s)/Applicability	Interval/ Note(s)	Zone(s)	ZIP
52-00-00			DOORS			
52-10-01 01		DET	Cabin Entry Door 1. Detailed Inspection of the Cabin Entry Door <u>NOTE:</u> Task Transferred to Systems (Doors) Systems Task Reference Number 52-10-00-210 Detailed Inspection of the Cabin Door	Note	800	No
52-20-01 01		GVI	Escape Hatch 1. General Visual Inspection of the Escape Hatch <u>NOTE:</u> Task Transferred to Systems (Doors) Systems Task Reference Number 52-20-00-210 Detailed Inspection of The Emergency Exit Door	Note	800	No

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Section 3 Structural Inspection Program

SSI Reference Number	Task Reference Number	Task	Chapter 53 Structure Significant Items and Task Description(s)/Applicability	Interval/ Note(s)	Zone(s)	ZIP
53-00-00			FUSELAGE			
53-10-01 01		GVI	Nose Structure 1. General Visual Inspection of the Nose Structure <u>NOTE:</u> Task Transferred to Zonal Inspection Program Zonal Inspection Task Reference Numbers 53-100-1 and 53-100-2	Zonal	200	Yes
53-10-02 01	53-30-01-250	SDI	Fuselage External Structure 1. Special Detailed Inspection of the Fuselage External Structure	First 6 years or 2400 hours, whichever occurs first, and every 1200 hours or 36 calendar months, whichever occurs first, thereafter.	ALL	No

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Section 3 Structural Inspection Program

SSI Reference Number	Task Reference Number	Task	Chapter 53 Structure Significant Items and Task Description(s)/Applicability	Interval/ Note(s)	Zone(s)	ZIP
53-10-03 01		GVI	Fuselage Internal Structure Above Floor 1. General Visual Inspection of the Fuselage Internal Structure Above Floor NOTE: Task Transferred to Zonal Inspection Program Zonal Inspection Task Reference Number 53-100-2	Zonal	200	Yes
53-10-04 01		GVI	Fuselage Internal Structure Below Floor 1. General Visual Inspection of the Fuselage Internal Structure Below Floor NOTE: Task Transferred to Zonal Inspection Program Zonal Inspection Task Reference Number 53-100-2	Zonal	100	Yes
53-10-05 01		GVI	Forward Pressure Bulkhead 1. General Visual Inspection of the Forward Pressure Bulkhead NOTE: Task Transferred to Zonal Inspection Program Zonal Inspection Task Reference Number 53-100-2	Zonal	100, 200	Yes
53-10-06 01		GVI	Aft Pressure Bulkhead 1. General Visual Inspection of the Aft Pressure Bulkhead NOTE: Task Transferred to Zonal Inspection Program Zonal Inspection Task Reference Number 53-100-2	Zonal	200, 300	Yes
53-20-01 01		GVI	Tailcone Internal Structure 1. General Visual Inspection of the Tailcone Internal Structure NOTE: Task Transferred to Zonal Inspection Program Zonal Inspection Task Reference Number 53-100-2	Zonal	300	Yes

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Section 3 Structural Inspection Program

SSI Reference Number	Task Reference Number	Task	Chapter 54 Structure Significant Items and Task Description(s)/Applicability	Interval/ Note(s)	Zone(s)	ZIP
54-00-00			NACELLES/PYLONS			
54-10-01			Nacelles (Cowling)			
01	71-11-00-221	DET	1. Detailed Inspection of the Forward and Aft Upper Cowling Edge	4C	400	No
02	71-11-00-220	DET	2. Detailed Inspection of the Upper Cowling Camloc Hole	4C	400	No
54-20-01			Pylons			
01		GVI	1. General Visual Inspection of the Pylons <u>NOTE:</u> Task Transferred to Zonal Inspection Program Zonal Inspection Task Reference Number 71-400-1	Zonal	400	Yes

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Section 3 Structural Inspection Program

SSI Reference Number	Task Reference Number	Task	Chapter 55 Structure Significant Items and Task Description(s)/Applicability	Interval/ Note(s)	Zone(s)	ZIP
55-00-00			STABILIZERS			
55-10-01			Horizontal Stabilizer			
01	GVI	1. General Visual Inspection of the Horizontal Stabilizer NOTE: Task Transferred to Systems Inspection Program Systems Inspection Task Reference Number 27-90-40-720 Functional Check of the Two-Position Horizontal Stabilizer	Note	300	No	
55-20-01			Elevator			
01	GVI	1. General Visual Inspection of the Elevator NOTE: Task Transferred to Systems Inspection Program Systems Inspection Task Reference Number 27-90-30-720 Functional Check of the Elevator and the Elevator Trim Tab System	Note	300	No	
55-30-01			Vertical Stabilizer			
01	GVI	1. General Visual Inspection of the Vertical Stabilizer NOTE: Task Transferred to Zonal Inspection Program Zonal Inspection Task Reference Number 53-100-1	Zonal	300	Yes	
55-40-01			Rudder			
01	GVI	1. General Visual Inspection of the Rudder NOTE: Task Transferred to Systems Inspection Program Systems Inspection Task Reference Number 27-90-20-721 Functional Check of the Rudder and Rudder Trim Control System	Note	300	No	

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Section 3 Structural Inspection Program

SSI Reference Number	Task Reference Number	Task	Chapter 56 Structure Significant Items and Task Description(s)/Applicability	Interval/ Note(s)	Zone(s)	ZIP
56-00-00			WINDOWS			
56-10-01			Cockpit Windshield			
01	56-11-00-212	DET	1. Detailed Inspection of the Cockpit Windshield (Delamination)	4A/2C	200	No
02	56-11-00-210	DET	2. Detailed Inspection of the Windshield Humpseal	400	200	No
03	56-11-00-720	FNC	3. Functional Check of the Windshield (Mist Spray Inspection)	Hours/1C 400	200	No
04	56-11-00-280	FNC	4. Functional Check of the Windshield Retainer Screws (Torque Inspection)	4A/2C	200	No
56-10-02			Cockpit Side Windows			
01	56-11-00-212	DET	1. Detailed Inspection of the Cockpit Side Windows	4C	200	No
56-20-01			Cabin Windows			
01		GVI	1. General Visual Inspection of the Cabin Windows	Zonal	200	Yes
			NOTE: Task Transferred to Zonal Inspection Program Zonal Inspection Task Reference Number 53-100-1			

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Section 3 Structural Inspection Program

SSI Reference Number	Task Reference Number	Task	Chapter 57 Structure Significant Items and Task Description(s)/Applicability	Interval/ Note(s)	Zone(s)	ZIP
57-00-00			WINGS			
57-10-01 01		GVI	Wing Structure 1. General Visual Inspection of the External Wing Structure <u>NOTE:</u> Task Transferred to Zonal Inspection Program Zonal Inspection Task Reference Number 57-500-1	Zonal	500, 600	Yes
	02	DET	2. Detailed Inspection of the Internal Wing Structure <u>NOTE:</u> Task Transferred to Systems Inspection Program (Fuel) Systems Inspection Task Reference Number 28-10-00-210 Detailed Inspection of the Fuel Storage System	Note	500, 600	No
57-10-02 01		GVI	Wing Attach Links 1. General Visual Inspection of the Wing Attach Links <u>NOTE:</u> Task Transferred to Zonal Inspection Program Zonal Inspection Task Reference Number 53-100-3	Zonal	500, 600	Yes
57-50-01 01		DET	Flaps 1. Detailed Inspection of the Flaps <u>NOTE:</u> Task Transferred to Systems Inspection Program Systems Inspection Task Reference Number 27-90-50-720 Functional Check of the Flap System	Note	500, 600	No
57-60-01 01		GVI	Ailerons 1. General Visual Inspection of the Ailerons <u>NOTE:</u> Task Transferred to Systems Inspection Program Systems Inspection Task Reference Number 27-90-10-721 Functional Check of the Aileron and Aileron Trim Tab Control System	Note	500, 600	No

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Section 3 Structural Inspection Program

SSI Reference Number	Task Reference Number	Task	Chapter 57 Structure Significant Items and Task Description(s)/Applicability	Interval/ Note(s)	Zone(s)	ZIP
57-70-01 01		GVI	Speed Brakes 1. General Visual Inspection of the Speed Brakes <u>NOTE:</u> Task Transferred to Zonal Inspection Program Zonal Inspection Task Reference Number 57-500-1	Zonal	500, 600	Yes

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Section 3 Structural Inspection Program

SSI Reference Number	Task Reference Number	Task	Chapter 71 Structure Significant Items and Task Description(s)/Applicability	Interval/ Note(s)	Zone(s)	ZIP
71-00-00 71-20-01 01		GVI	<p style="text-align: center;">POWERPLANT</p> <p>Engine Mounts</p> <p>1. General Visual Inspection of the Engine Mounts</p> <p>NOTE: Task Transferred to Zonal Inspection Program Zonal Inspection Task Reference Number 71-400-1</p>	Zonal	400	Yes

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Section 4 Zonal Inspection Program

1. General

- A. This section provides the intervals for the General Visual Inspections (GVI) of each aircraft zone to check system/powerplant installations and structure for security and general condition.

2. Purpose

- A. The airplane was subdivided into zones. Each Zonal area was reviewed to determine the types of systems and structural items installed and any associated wiring, tubing, ducting, pulleys, quadrants, supports, etc. The likelihood of deterioration of these items, including the effect of the operational environment was also reviewed.
- B. Related GVI tasks from the Systems, Powerplant and Structures programs have been cross-referenced to the appropriate Zonal Inspections. The referenced tasks are considered satisfied by performing the Zonal inspections.

3. Program Rules

- A. The Zonal Inspection Program contains a series of General Visual Inspection (GVI) tasks. Detailed (DET) and Special Detailed Inspections (SDI) are not to be contained in the Zonal Inspection Program. Zonal inspection requirements apply only to zones.
- B. Access to zones should be easily accomplished and should not require the use of special tools. Normally, the inspection aids to be used are a flashlight and/or inspection mirror. The entire visible contents of the zone must be inspected for obvious damage, security of installation, and general condition including corrosion and leaks.
- C. The following zones do not contain system installations but receive adequate surveillance from other maintenance or structural inspection tasks. Accordingly, these zones are not specified in the inspection requirements presented in the Zonal Inspection Program.

Note: The Citation 560XL/XLS (CE-560XL) does not have any zones that do not contain system installations. All zones are specified in the Zonal Inspection Program.

- D. Each Zonal Inspection includes a GVI in order to determine the general condition and security of items contained in the Zonal Inspection Program (ZIP). The Zonal Inspections will be conducted at a distance no greater than arms length. This includes checking for evidence of degradation such as corrosion, cracks, chafing of tubing, loose duct support, wiring damage, cable and pulley wear, fluid leaks, inadequate drainage and for other conditions which could lead to corrosion/damage.

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Section 4 Zonal Inspection Program

- E. There are no requirements to remove or displace items within the zone in order to perform the inspection.
- F. A training program for inspectors highlighting the differences in Zonal philosophies of MSG-3 and other maintenance programs should be considered.

4. Citation 560XL/XLS Zonal Program Philosophy

- A. In this MSG-3 MRB Report, the aircraft is divided into zones that are inspected at different intervals depending on the congestion in the area, the significance of the equipment in the area, and the environment of the area. General Visual Inspections (GVI's) are the only scheduled maintenance tasks applicable to the Citation 560XL/XLS (CE-560XL) Zonal Inspection Program (ZIP). For a complete GVI definition, refer to Appendix G.
- B. The person performing the inspection must understand the following concepts:

"Obvious unsatisfactory conditions/discrepancies" include, but is not limited to High Intensity Radiated Field (HIRF) damage, frayed wiring insulation, loose/unsecured connectors, broken bonding/bonding shields, slack or nicked cables, any sign of fluid leakage, corrosion, and loose/misalignment of linkage. **This is only an example of the types of discrepancies a GV/GVI is intended to discover.** Zonal GVI's do not refer to specific discrepancies. The discrepant conditions are considered covered within the definition a General Visual Inspection (GVI). GVI's require only tools as needed to access the zone. Citation 560XL/XLS (CE-560XL) access openings include, but are not limited to, doors, panels, fairings and fillets, which must be physically detached from the airplane to gain visual access. GVI's applied to the ZIP identify general area/item nomenclature, such as cockpit interior, APU enclosure, etc. In addition there will be no requirement to remove or displace items within the zone in order to verify the condition, by GVI, of any particular item. Consideration must be given to the fact that all Zonal GVI's are performed at a distance no greater than arms length, unless otherwise noted.

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Section 4 Zonal Inspection Program

Zonal Reference Number	Task Reference Number	EXAMPLE Task Description(s)/Applicability	Interval	Access	Zone
53-100-03	53-00-00-221	<p>Zonal Inspection: Cabin below floor line FS 157 to FS 451.450</p> <p>NOTE: This task incorporates and satisfies the following MSI/SSI General Visual Inspections: 24-60-00-01 General Visual Inspection of the Electrical Components and Wire Bundles for High Intensity Radiated Fields (HIRF), Electrical Interference (EMI), and Electromagnetic Compatibility (EMC) 53-10-00-12 Forward and Aft Cabin Structure Floor Line and Below</p> <p style="text-align: center;">↓</p> <p style="text-align: center;">Description - Zonal Inspection and location Reference Information – MSI and/or SSI applicable to Zonal Program (All reference information noted with ** has been transferred from both Systems/Powerplant and Structures.)</p> <p>Inspection Interval – Task must be accomplished at this interval. ←</p> <p>Access panels to be removed to gain access for task. ←</p> <p>Zone(s) where task is located ←</p> <p>Task Number that appears in the Citation 750 Maintenance Manual.</p> <p>Zonal Program reference number.</p>	8C	151AT, 151BT, 152AY, 152BT, 152CT, 161AT	151, 152, 161, 162, 171, 172, 181, 182

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Section 4 Zonal Inspection Program

Zonal Reference Number	Task Reference Number	Task Description(s)/Applicability	Interval	Access	Zone
32-700-1	32-90-40-210	<p>General Visual Inspection (Zonal Inspection) of the Nose and Main Landing Gear Wheel Wells</p> <p>NOTE: This task incorporates and satisfies the following MSI General Visual Inspections.</p> <p>None</p> <p>NOTE: This task incorporates and satisfies the following SSI General Visual Inspections.</p> <p>32-10-10-01 General Visual Inspection of the Main Landing Gear</p> <p>32-20-01-01 General Visual Inspection of the Nose Landing Gear</p>	4C	None Required	710, 720, 730

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Section 4 Zonal Inspection Program

Zonal Reference Number	Task Reference Number	Task Description(s)/Applicability	Interval	Access	Zone
53-100-1	53-90-00-211	<p>General Visual Inspection (Zonal Inspection) of the External Fuselage</p> <p>NOTE: This task incorporates and satisfies the following MSI General Visual Inspections. None</p> <p>NOTE: This task incorporates and satisfies the following SSI General Visual Inspections.</p> <p>53-10-01-01 General Visual Inspection of the Nose Structure</p> <p>55-30-01-01 General Visual Inspection of the Vertical Stabilizer</p> <p>56-20-01-01 General Visual Inspection of the Cabin Windows</p>	8C	None Required	110, 141, 142, 143, 144, 151, 152, 153, 154, 161, 162, 163, 164, 165, 166, 171, 172, 173, 174, 175, 176, 181, 182, 183, 184, 211, 212, 221, 222, 231, 232, 241, 242, 251, 252, 261, 262, 271, 272, 281, 282, 801, 802, 810, 821

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Section 4 Zonal Inspection Program

Zonal Reference Number	Task Reference Number	Task Description(s)/Applicability	Interval	Access	Zone
53-100-2	53-90-00-212	<p>General Visual Inspection (Zonal Inspection) of the Internal Fuselage</p> <p>NOTE: This task incorporates and satisfies the following MSI General Visual Inspections. None</p> <p>NOTE: This task incorporates and satisfies the following SSI General Visual Inspections.</p> <p>53-10-01-01 General Visual Inspection of the Nose Structure</p> <p>53-10-03-01 General Visual Inspection of the Fuselage Internal Structure Above Floor</p> <p>53-10-04-01 General Visual Inspection of the Fuselage Internal Structure Below Floor</p> <p>53-10-05-01 General Visual Inspection of the Forward Pressure Bulkhead</p> <p>53-10-06-01 General Visual Inspection of the Aft Pressure Bulkhead</p> <p>53-20-01-01 General Visual Inspection of the Tailcone Internal Structure</p>	8C	All Internal Fuselage Zones	110, 141, 142, 151, 152, 161, 162, 171, 172, 181, 182, 211, 212, 221, 222, 231, 232, 233, 234, 235, 236, 237, 238, 239, 241, 242, 243, 244, 245, 246, 247, 248, 249, 251, 252, 261, 262, 271, 281, 282, 311, 801, 802, 810, 821

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Section 4 Zonal Inspection Program

Zonal Reference Number	Task Reference Number	Task Description(s)/Applicability	Interval	Access	Zone
53-100-3	53-90-50-210	<p>General Visual Inspection (Zonal Inspection) of the Fuselage Fairing Zones</p> <p>NOTE: This task incorporates and satisfies the following MSI General Visual Inspections. None</p> <p>NOTE: This task incorporates and satisfies the following SSI General Visual Inspections.</p> <p>57-10-02-01 General Visual Inspection of the Wing Attach Links</p>	8C	All Fuselage Fairing Zones	143, 144, 153, 154, 163, 164, 165, 166, 173, 174, 175, 176, 181, 183, 184

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Section 4 Zonal Inspection Program

Zonal Reference Number	Task Reference Number	Task Description(s)/Applicability	Interval	Access	Zone
57-500-1	57-90-00-210	<p>General Visual Inspection (Zonal Inspection) of the External Wing Structure <u>NOTE:</u> This task incorporates and satisfies the following MSI General Visual Inspections. None <u>NOTE:</u> This task incorporates and satisfies the following SSI General Visual Inspections. None 57-10-01-01 General Visual Inspection of the External Wing Structure 57-70-01-01 General Visual Inspection of the Speed Brakes</p>	12C	None Required	511, 512, 513, 521, 522, 523, 531, 532, 541, 542, 551, 552, 560, 611, 612, 613, 621, 622, 631, 632, 641, 642, 651, 652, 660

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Section 4 Zonal Inspection Program

Zonal Reference Number	Task Reference Number	Task Description(s)/Applicability	Interval	Access	Zone
71-400-1	71-90-00-210	<p>General Visual Inspection (Zonal Inspection) of the Engine & Pylon Zones</p> <p><u>NOTE:</u> This task incorporates and satisfies the following MSI General Visual Inspections.</p> <p>26-10-00-01 General Visual Inspection of the Engine Fire Detection Assembly</p> <p>26-11-00-01 General Visual Inspection of the APU Fire Detection Assembly</p> <p>71-60-00-01 General Visual Inspection of the Air Inlet System</p> <p>71-70-00-01 General Visual Inspection of the Engine Drain Lines</p> <p><u>NOTE:</u> This task incorporates and satisfies the following SSI General Visual Inspections.</p> <p>54-20-01-01 General Visual Inspection of the Pylons</p> <p>71-20-01-01 General Visual Inspection of the Engine Mounts</p>	2C	All Engine & Pylon Zones	410, 420

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Section 5 Enhanced Zonal Inspection Program

1. General

- A. This section provides the operator with a list of maintenance tasks required that satisfy the Enhanced Zonal Analysis procedure criteria outlined by MSG-3 2005.1 and Draft Advisory Circular 120-XX titled Program to Enhance Aircraft Electrical Wiring Interconnection System Maintenance.

2. Purpose

- A. Enhanced Zonal Inspection Program (EZIP) inspection or maintenance tasks are conducted for a zone determined to have structure plus electrical wiring installations and the potential for combustible materials being present. Combustible material may be in the form of fuel vapor, engine oil and/or accumulated dust or lint. These combustible materials could cause a fire to be sustained should an ignition source develop from nearby electrical wiring.
- B. Enhanced zones may be inspected or maintained at different intervals depending on the size and environment of the area, density of installed equipment and potential effects of fire in the zone. Unless otherwise specified, an EZIP task is accomplished in conjunction with the standard zonal inspection for that area. When accomplished in conjunction with the standard zonal inspection, the task will indicate a separate line item for each required EZIP task. Where a stand-alone task is identified, a separate task will be generated.
- C. Stand-alone tasks that minimize contamination by combustible material may include, but are not limited to, General Visual Inspections (GVI's), Detailed Inspections, (DET) or operational Checks (OPC).

3. Program Rules

- A. All Zonal Inspection tasks are written to include all EZIP task requirements.
- B. Chapter 20, Standard Practices – Airframe, of the Citation 560XL (CE-560XL) Maintenance Manual contain the EZIP task requirements for the Citation 560XL/XLS (CE-560XL) airplanes. These tasks are; Task 20-10-04-210 Flight Control Cable Inspection, Task 20-10-06-210 Hydraulic, Pneumatic and Bleed Air Line, Duct and Hose Inspection, and Task 20-21-03-210 Electrical Wire Bundle Assembly. Electrical Components Inspection Requirements are contained in Chapter 20, Standard Practices – Airframe, of the Citation 560XL (CE-560XL) Maintenance Manual.
- C. Chapter 20, Standard Practices – Airframe, of the Citation 560XL (CE-560XL) Maintenance Manual and Chapter 20, Standard Practices – Airframe, of the Citation 560XL (CE-560XL) Wiring Diagram Manual contain additional Standard Maintenance Practices.

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Appendix A Certification Maintenance Requirements

1. List of Certification Maintenance Requirements

- A. There are no Certification Maintenance Requirements.

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Appendix B Airworthiness Limitations Requirements

1. General

A. These Airworthiness Limitations are mandatory actions derived from the certification activities, namely, the Damage Tolerance Analysis and the Fatigue Tests. This appendix presents the maintenance actions established in order to fully comply with the requirements of Title 14 CFR 25.571 and, therefore, are required to be accomplished in strict compliance with the life limits, maximum intervals limits, inspection methods and SSI location established herein. The Airworthiness Limitations may only be revised with the approval of the regulatory authorities. The Airworthiness Limitations are a result of the Engineering Certification analysis and have been approved by Regulatory Authority.

2. List of Airworthiness Limitations Requirements

Chapter	Chapter 23 Airworthiness Limitations Requirements	Time Limit
23	COMMUNICATIONS	
	<p>1. Honeywell Primus II Radio Standby Nav/Com Control Unit NOTE: No longer a Chapter 4 Airworthiness Limitations requirement. Was placed in Chapter 5.</p>	Note 1

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Appendix B Airworthiness Limitations Requirements

Chapter	Chapter 27 Airworthiness Limitations Requirements	Time Limit
27	FLIGHT CONTROLS	
	1. Inboard Flap Rollers 2. Outboard Flap Rollers	Note 2 Note 2

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Appendix B Airworthiness Limitations Requirements

Chapter	Chapter 32 Airworthiness Limitations Requirements	Time Limit
32	LANDING GEAR	
	<p><u>NOTE:</u> Attaching hardware (bolts, bearings, bushings, trunnion pins, and trunnion/link pins related to the installation of the components given below) is replaced whenever the related component is replaced.</p> <ol style="list-style-type: none"> 1. Main Landing Gear Left Trunnion Subassembly 2. Main Landing Gear Right Trunnion Subassembly 3. Main Landing Gear Left Trailing Link Assembly 4. Main Landing Gear Right Trailing Link Assembly 5. Main Landing Gear Oleo Assembly 6. Main Landing Gear Oleo Upper Cap 7. Main Landing Gear Left Actuator Assembly 8. Main Landing Gear Right Actuator Assembly 9. Main Landing Gear Trailing Link Spacer 10. Nose Landing Gear Assembly 11. Nose Landing Gear Actuator 	<p>Note 2</p> <p>Note 2</p> <p>Note 2</p> <p>Note 2</p> <p>Note 2</p> <p>Note 2</p> <p>Note 2</p> <p>Note 2</p> <p>Note 2</p> <p>Note 2</p> <p>Note 2</p>

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Appendix B Airworthiness Limitations Requirements

Chapter	Chapter 49 Airworthiness Limitations Requirements	Time Limit
49	AIRBORNE AUXILIARY POWER UNIT	
	<ol style="list-style-type: none"> 1. Compressor Rotor (PN 3822523-2) 2. Compressor Rotor (PN 3822523-003) 3. Turbine Rotor (PN 3842340-All) 4. Fuel Nozzle Assembly 	<p>9000 Cycles</p> <p>12000 Cycles</p> <p>4000 Cycles</p> <p>4000 Cycles</p>

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Appendix B Airworthiness Limitations Requirements

Chapter	Chapter 53 Airworthiness Limitations Requirements	Time Limit
53	FUSELAGE	
	<ol style="list-style-type: none"> 1. Upper Skin from right stringer 13 to left stringer 13 2. Lower Skin from right stringer 13 to left stringer 13 3. Upper Skin Splice at BL 0 4. Lower Skin Splices at stringer 13 5. Forward Pressure Bulkhead 6. Aft Pressure Bulkhead 7. Cabin Door 8. Escape Hatch 9. Left Nose Landing Gear Trunnion Support Assembly 10. Right Nose Landing Gear Trunnion Support Assembly 11. Actuator Attach Fitting 	<p>Note 1</p> <p>Note 1</p> <p>Note 1</p> <p>Note 1</p> <p>Note 1</p> <p>Note 1</p> <p>Note 1</p> <p>Note 1</p> <p>Note 2</p> <p>Note 2</p> <p>Note 2</p>

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Appendix B Airworthiness Limitations Requirements

Chapter	Chapter 55 Airworthiness Limitations Requirements	Time Limit
55	STABILIZERS	
	<ol style="list-style-type: none"> 1. Forward Spar Strap, WL 150 2. Forward Spar Strap, WL 188 3. Rear Spar Cap, common to the web flange, WL 146 4. Rear Spar Nested Angle, common to the web flange, WL 146 5. Rear Spar Cap WL 146 	<p style="text-align: right;">Note 1</p> <p style="text-align: right;">Note 1</p> <p style="text-align: right;">Note 1</p> <p style="text-align: right;">Note 1</p> <p style="text-align: right;">Note 1</p>

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Appendix B Airworthiness Limitations Requirements

Chapter	Chapter 56 Airworthiness Limitations Requirements	Time Limit
56	WINDOWS	
	<p>1. Glass Windshield – Mist Spray Visual Assessment NOTE: No longer a Chapter 4 Airworthiness Limitations requirement. Was placed in Chapter 5.</p>	Note 1

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Revision: 02
April 22, 2009

Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Appendix B Airworthiness Limitations Requirements

Chapter	Chapter 57 Airworthiness Limitations Requirements	Time Limit
57	WINGS	
	<ol style="list-style-type: none"> 1. Main Spar, WS 11.50 2. Main Spar, WS 22.50 3. Main Spar, WS 114.57 4. Main Spar, WS 131.07 5. Main Spar, WS 149.57 6. Left Forward Fitting Assembly 7. Right Forward Fitting Assembly 8. Left Aft Fitting Assembly 9. Right Aft Fitting Assembly 10. Left Actuator Attach Fitting Assembly 11. Right Actuator Attach Fitting Assembly 	<p>Note 1</p> <p>Note 1</p> <p>Note 1</p> <p>Note 1</p> <p>Note 1</p> <p>Note 2</p> <p>Note 2</p> <p>Note 2</p> <p>Note 2</p> <p>Note 2</p> <p>Note 2</p> <p>Note 2</p>

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Appendix B Airworthiness Limitations Requirements

Chapter	Chapter 71 Airworthiness Limitations Requirements	Time Limit
71	POWERPLANTS	
	1. Aft Engine Beam 2. Forward Engine Beam	Note 1 Note 1

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Appendix B Airworthiness Limitations Requirements

Chapter	Chapter 72 Airworthiness Limitations Requirements	Time Limit
72	ENGINE TURBINE	
	<ol style="list-style-type: none"> 1. Rotor - Fan, LP Compressor 2. Rotor - Boost LP Compressor 3. Rotor - HP Compressor 1st Stage 4. Rotor - HP Compressor 2nd Stage 5. Impeller Centrifugal 6. Disk - Turbine 1st Stage 7. Disk - Turbine 2nd Stage 8. Disk - Turbine 3rd Stage 9. Disk - Turbine 4th Stage 	<p>Note 3/Note 4</p> <p>Note 3/Note 4</p> <p>Note 3/Note 4</p> <p>Note 3/Note 4</p> <p>Note 3/Note 4</p> <p>Note 3/Note 4</p> <p>Note 3/Note 4</p> <p>Note 3/Note 4</p> <p>Note 3/Note 4</p>

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**Citation 560XL/XLS (CE-560XL)
Maintenance Review Board Report**

**Appendix B
Airworthiness Limitations Requirements**

Chapter	Chapter 78 Airworthiness Limitations Requirements	Time Limit
78	EXHAUST	
	1. Thrust Reverser Assembly	Note 2

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Appendix B Airworthiness Limitations Requirements

Note 1: Refer to Citation 560XL (CE-560XL) Maintenance Manual Chapter 4-10-00 for Inspection Time Limits.

Note 2: Refer to Citation 560XL (CE-560XL) Maintenance Manual Chapter 4-11-00 for Replacement Time Limits.

Note 3: Refer to Pratt Whitney Canada Turbofan Engine Model PW545A (Part Number 30J1272) Maintenance Manual Chapter 5-20-00 for Life Limits.

Note 4: Refer to Pratt Whitney Canada Turbofan Engine Model PW545B (Part Number 30J2242) Maintenance Manual Chapter 5-20-00 for Life Limits.

Prepared by: Cessna Maintenance Engineering
Revision: Original
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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Appendix C Required Tasks for Manufacturers Recommended Items

1. General

The purpose of this appendix is to provide the operator with a list of installed components having tasks with Manufacturers Recommended intervals. These intervals have been recommended by the manufacturers of these products. Operators are required to maintain the items contained herein per the interval limit shown.

Task Reference Number	Component	Manufacturer	Limit
	Discard of the Evaporator Blower Motor	Enviro Systems Inc.	Note 1
	Discard of the Motor Compressor Drive Bearing	Enviro Systems Inc.	Note 1
	Discard of the Motor Compressor Drive Brushes	Enviro Systems Inc.	Note 1
	Discard of the Receiver Dryer	Enviro Systems Inc.	Note 1
	Restoration (Overhaul)of the Compressor Drive Motor	Enviro Systems Inc.	Note 1
	Servicing of the Vapor Cycle Cooling System (800 Compressor Hours)	Enviro Systems Inc.	Note 1
	Servicing of the Vapor Cycle Cooling System (1500 Compressor Hours)	Enviro Systems Inc.	Note 1
23-90-70-960	Discard Underwater Locator Beacon Battery (CVR)	Dukane Corporation	6 Years
23-90-70-720	Functional Check of the Underwater Locator Beacon (CVR)	Dukane Corporation	24 Months
24-90-50-720	Functional Check (Capacity Check) of the Lead Acid Battery	Concorde Battery Corp.	Initially at 12 Months or 600 Hours, and every 3 Months or 200 Hours, thereafter

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Appendix C Required Tasks for Manufacturers Recommended Items

Task Reference Number	Component	Manufacturer	Limit
24-90-50-840	Restoration (Deep Cycle) of the Saft NI-Cad Battery	Saft America, Inc.	12 Months
80-90-11-840	Restoration (Overhaul) of the APU Starter Generator	Unison Industries	1000 APU Hours
80-90-10-840	Restoration (Overhaul) of the Engine Starter Generator	Unison Industries	1000 Hours
25-90-60-960	Discard of the Emergency Locator Transmitter Battery	Artex	5 Years
26-90-30-960	Discard of the Engine Fire Bottle Cartridges	Pacific Scientific Co.	6 Years
26-90-30-960	Discard of the Engine Fire Bottle Cartridges	Applied Energy	10 Years
26-90-20-840	Restoration (Hydrostatic Test) of the Engine Fire Extinguisher Bottle	Pacific Scientific Co.	5 Years
26-90-20-841	Restoration (Hydrostatic Test) of the Portable Fire Extinguisher	Kansas Fire Equipment	12 Years
26-90-30-961	Discard of the APU Fire Bottle Cartridge	Pacific Scientific Co.	6 Years
26-90-30-961	Discard of the APU Fire Bottle Cartridge	Applied Energy	10 Years
26-90-20-843	Restoration (Hydrostatic Test) of the APU Fire Extinguisher Bottle	Pacific Scientific Co.	5 Years
31-90-30-960	Discard Underwater Locator Beacon Battery (FDR)	Dukane Corporation	6 Years
31-90-30-721	Functional Check of the Underwater Locator Beacon (FDR)	Dukane Corporation	24 Months
32-30-09-280	Restoration (Hydrostatic Test) of the Pneumatic Storage Bottle	Pacific Scientific Co.	3 Years
32-90-40-280	Special Detailed Inspection (NDI) of the Landing Gear Wheels	B.F. Goodrich Co.	Dependent on number of tire changes or number of annual landings
34-90-20-710	Operational Check (Periodic Check) of the L3 Com Standby Battery Pack	L-3 Communications	6 months
34-20-00-762	Functional Check (Capacity Check) of the L3 Com Standby Battery Pack	L-3 Communications	12 months

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Appendix C Required Tasks for Manufacturers Recommended Items

Task Reference Number	Component	Manufacturer	Limit
35-90-00-960	Discard of the Oxygen Bottle	Avox Systems, Inc	15 Years
35-90-00-840	Restoration (Hydrostatic) of the Oxygen Bottle	Avox Systems, Inc	3 Years
35-90-10-840	Restoration (Overhaul) of the Crew Masks	EROS	6 Years
34-90-20-960	Discard of the Securaplane Standby Battery	Unison Industries	4 Years
	Discard of the Fuel Filter	Pratt & Whitney Canada	Note 2/Note 3
	General Visual Inspection of the FDV	Pratt & Whitney Canada	Note 2/Note 3
	General Visual Inspection of the HMU	Pratt & Whitney Canada	Note 2/Note 3
	Detailed Inspection of the Engine Electrical Wire Harnesses	Pratt & Whitney Canada	Note 2/Note 3
78-31-00-642	Detailed Inspection of the Thrust Reverser (C-5A Lubrication Method)	The Nordam Group	Note 4
	General Visual Inspection of the LP Turbine	Pratt & Whitney Canada	Note 2/Note 3
	Discard of the Oil Filter	Pratt & Whitney Canada	Note 2/Note 3

Note 1 Refer to Enviro Systems General Operating, Servicing and Maintenance Manual for airborne R-134a Airconditioning System Section 12 Component Inspection, Servicing and/or Maintenance Schedules for recommended component maintenance/inspection schedule and intervals.

Note 2 Refer to Pratt Whitney Canada Turbofan Engine Model PW545A (Part Number 30J1272) Maintenance Manual Chapter 5-20-00 for intervals.

Note 3 Refer to Pratt Whitney Canada Turbofan Engine Model PW545B (Part Number 30J2242) Maintenance Manual Chapter 5-20-00 for intervals.

Note 4 Refer to The Nordam Group Thrust Reverser Assembly P/N 64ND-78002 Component Maintenance Manual Chapter 78-30-11 for intervals.

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Appendix D Deleted Maintenance Review Board Tasks

1. General

- A. This appendix contains all the Deleted Maintenance Review Board Tasks which have been deleted since the original issue of this document.

2. List of Deleted Maintenance Review Board Tasks

- A. Task deleted during revision 1.

Item Number	Task Reference Number	Task	Chapter 21 MSI and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
21-00-00			AIR CONDITIONING SYSTEM			
21-31-00			Pressurization (Emergency Pressurization)			
02	21-51-00-712	OPC	Operational Check of the Emergency Pressurization System	8	2A/2C	No

Item Number	Task Reference Number	Task	Chapter 23 MSI and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
23-00-00			COMMUNICATIONS			
23-70-00			Audio And Video Monitoring			
04	23-90-70-840	RST	4. Restoration (Overhaul) of the Underwater Locator Beacon (CVR) NOTE: Per Manufacturer's Recommendation	9	Note	No

Item Number	Task Reference Number	Task	Chapter 26 MSI and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
26-00-00			FIRE PROTECTION			
26-20-00			Extinguishing (Engine Fire Extinguishing)			
03	26-90-10-720	OPC	Operational Check of the Fire Extinguisher Low Pressure Monitoring System.	8	4A/4C	No

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Appendix D Deleted Maintenance Review Board Tasks

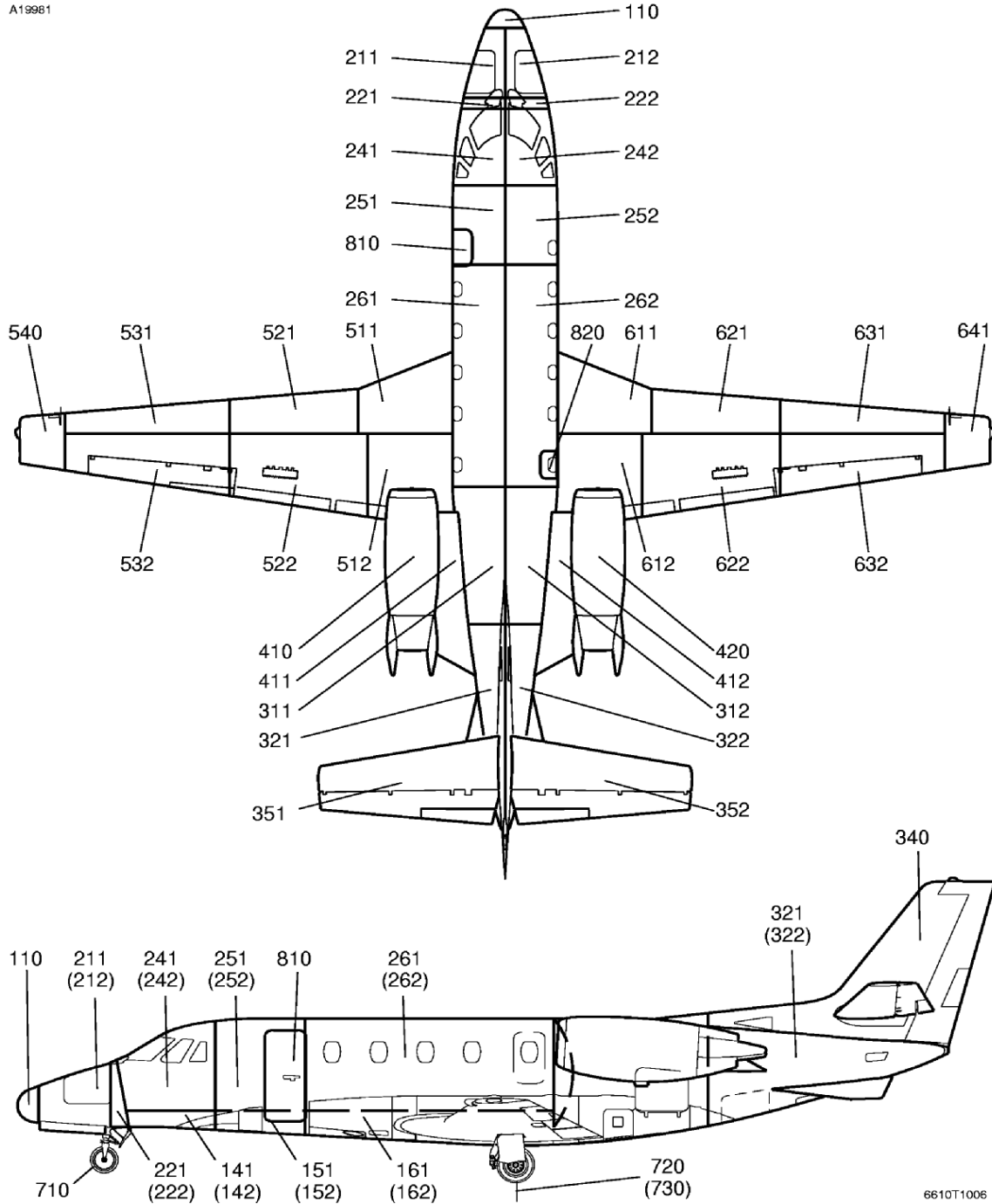
Item Number	Task Reference Number	Task	Chapter 31 MSI and Task Description(s)/Applicability	Cat	Interval/ Note(s)	ZIP
31-00-00 31-30-00 04	31-90-30-840	RST	<p style="text-align: center;">INDICATING/RECORDING SYSTEMS</p> <p>Recorders (Flight Data Recorder)</p> <p>4. Restoration (Overhaul) of the Underwater Locator Beacon (FDR)</p> <p><u>NOTE:</u> Per Manufacturer's Recommendation</p>	9	Note	No

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Appendix E Airplane Zones

A19981



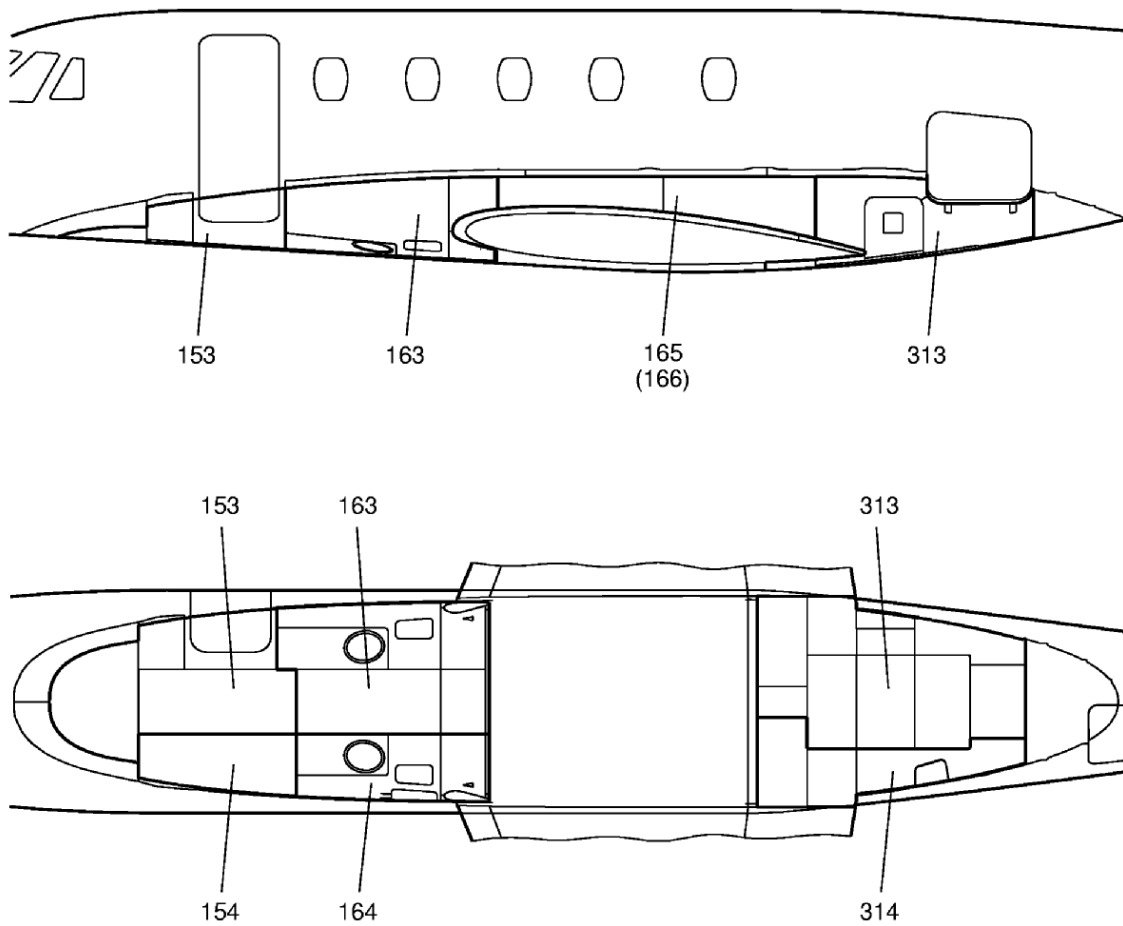
6610T1006

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Appendix E Airplane Zones

A19982



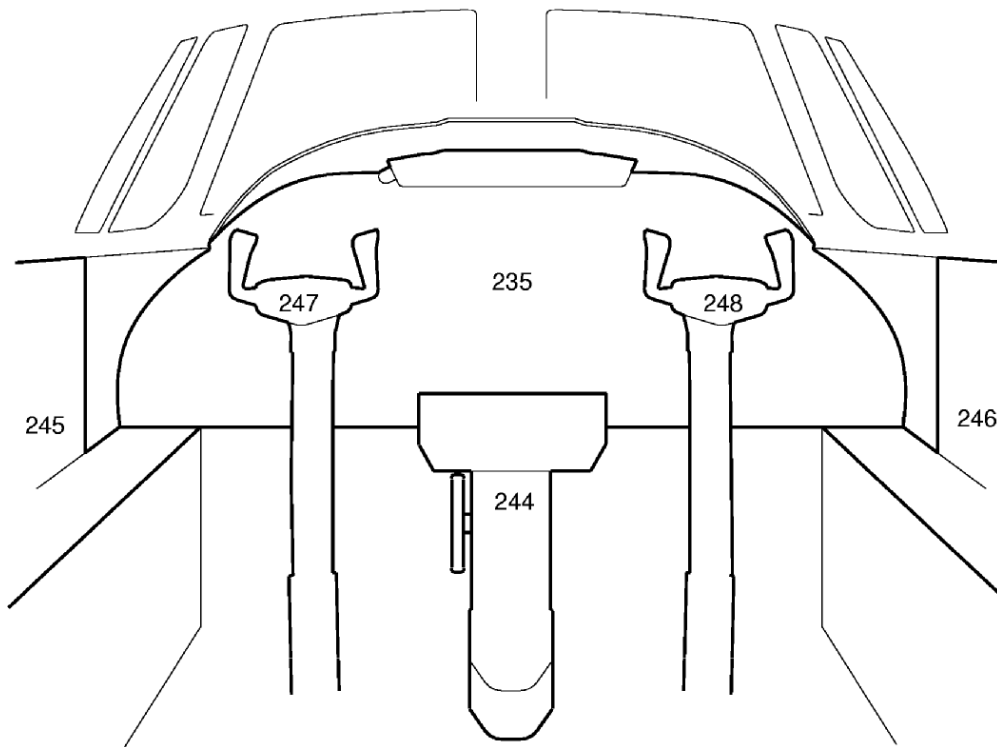
6610T1009

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Appendix E Airplane Zones

A13984



6610T1010

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Appendix F Acronyms

AAIP	Approved Aircraft Inspection Program
AC	Advisory Circular
ACM	Air Cycle Machine
ACO	Aircraft Certification Office
AD	Accidental Damage
AEG	Aircraft Evaluation Group
AOA	Angle of Attack
APU	Auxiliary Power Unit
ATA	Air Transport Association
AUX	Auxiliary
CFR	Code of Federal Regulations
CPCP	Corrosion Prevention and Control Program
CMR	Certification Maintenance Requirement
DET	Detailed Inspection
DIS	Discard
DME	Distance Measuring Equipment
DTR	Damage Tolerance Rating
ED	Environmental Deterioration
EFIS	Electronic Flight Instrument System
ELT	Emergency Locator Transmitter
FAA	Federal Aviation Administration
FAR	Federal Aviation Regulation
FD	Fatigue Damage
FMEA	Failure Mode and Effects Analysis
FNC	Functional Check
GVI	General Visual Inspection
HIRF	High Intensity Radiated Field
ISC	Industry Steering Committee
LH	Left Hand
LRU	Line Replaceable Unit
LUB	Lubrication
MEL	Minimum Equipment List
MFG	Manufacturer
MMEL	Master Minimum Equipment List
MRB	Maintenance Review Board
MRBR	Maintenance Review Board Report
MSG-3	Maintenance Steering Group – 3 rd Task Force

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Appendix F Acronyms

MSI	Maintenance Significant Item
MTBUR	Mean Time Between Unscheduled Removals
NDI	Non-Destructive Inspection
OPC	Operational Check
PPH	Policy and Procedures Handbook
RH	Right Hand
RST	Restoration
SDI	Special Detailed Inspection
SOV	Shut Off Valve
SSI	Structural Significant Item
SVC	Servicing
TBD	To Be Determined
VCK	Visual Check
WG	Working Group
ZIP	Zonal Inspection Program

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Appendix G

Definitions

Accidental Damage (AD)

Physical deterioration of an item caused by contact or impact with an object or influence which is not a part of the aircraft or by human error during manufacturing, operation of the aircraft or maintenance practices.

Corrosion Level 1

Corrosion damage that does not require structural reinforcement or replacement

OR

Corrosion occurring between successive inspections exceeds allowable limits, but is local and can be attributed to an event not typical of operator usage of other aircraft in the same fleet (e.g. mercury spillage).

Corrosion Prevention and Control Program (CPCP)

A program of maintenance tasks implemented at a threshold designed to control an aircraft structure to corrosion level 1 or better.

DISCARD (DIS)

The removal from service of an item at a specified life limit.

Environmental Deterioration (ED)

Physical deterioration of an item's strength or resistance to failure as a result of chemical interaction with its climate or environment.

Fatigue Damage (FD)

The initiation of a crack or cracks due to cyclic loading and subsequent propagation.

Functional Check (FNC)

A quantitative check to determine if one or more function of an item performs within specified limits.

Inherent Level of Reliability and Safety

That level which is built into the unit and therefore is inherent in its design. This is the highest level of reliability and safety that can be expected from a unit, system, or aircraft if it receives effective maintenance. To achieve higher levels of reliability generally requires modification or redesign.

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Appendix G Definitions

Inspection – Detailed (DET)

An intensive examination of a specific item, installation or assembly to detect damage, failure or irregularity. Available lighting is normally supplemented with a direct source of good lighting at an intensity deemed appropriate. Inspection aids such as mirrors, magnifying lenses, etc. may be necessary. Surface cleaning and elaborate access procedures may be required.

Inspection – General Visual (GVI)

A visual examination of an interior or exterior area, installation or assembly to detect obvious damage, failure or irregularity. This level of inspection is made from within touching distance unless otherwise specified. A mirror may be necessary to enhance visual access to all exposed surfaces in the inspection area. This level of inspection is made under normally available lighting conditions such as daylight, hangar lighting, flashlight or drop-light and may require removal or opening of access panels or doors. Stands, ladders or platforms may be required to gain proximity to the area being checked.

Inspection – Special Detailed (SDI)

An intensive examination of a specific item(s), installation, or assembly to detect damage, failure or irregularity. The examination is likely to make extensive use of specialized inspection techniques and/or equipment. Intricate cleaning and substantial access or disassembly procedure may be required.

Item

Any level of hardware assembly (i.e. system, sub-system, module, accessory, component, unit, part, etc.)

Lubrication and Servicing (LUB/SVC)

Any act of lubricating or servicing for the purpose of maintaining inherent design capabilities.

Maintenance Significant Item (MSI)

Items identified by the manufacture whose failure: could affect safety (on the ground or in flight), and/or is undetectable during operations, and/or could have significant operation impact, and/or could have significant economic impact.

Operational Check (OPC)

An operational check is a task to determine that an item is fulfilling its intended purpose. It does not require quantitative tolerances. This is a failure finding task.

Restoration (RST)

That work necessary to return the item to a specific standard. Restoration may vary from cleaning or replacement of single parts up to complete overhaul.

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Appendix G Definitions

Structural Significant Item (SSI)

Any detail, element, or assembly, which contributes significantly to carrying flight, ground, pressure or control loads and whose failure could affect the structural integrity necessary for the safety of the aircraft.

Tasks – Maintenance

An action or set of actions required to achieve a desired outcome that restores an item to or maintains an item in serviceable condition includes inspection and determination of condition.

Visual Check (VCK)

A visual check is an observation to determine that an item is fulfilling its intended purpose. Does not require quantitative tolerances. This is a failure finding task.

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Appendix H Working Group Participants

Mike Alquist	FAA Advisor
Dick Coddington	FAA Advisor
Mary Gabriel	FAA Advisor
Scott Strickland	FAA Advisor
Allan Martens	FAA Advisor
Richard M. Litka	FAA Advisor
Jim Bad Horse	FAA Advisor
Ron Mochi	FAA Advisor
Don Levesque	FAA Advisor
Roger Love	FAA Advisor
Dwain Chase	Pinnacle Aviation
Mark Dietrich	Chalk Hills Winery
Richard Abernathy	Commerce Bancshares, Inc.
Mark Chaney	Coca-Cola Bottling Company
Jeffery Birdsall	Northrop Grumman Aviation
Eric Olson	General Mills
Simelo Joyner	Entergy Services
Jason Profio	NetJets
Son Tran	NetJets

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Appendix H Working Group Participants

Bill Torphy	Rogers Group, Inc.
Michael Webb	Williams
Ron Barber	Maintenance Engineering Cessna Aircraft Company
Dan Ingram	Maintenance Engineering Cessna Aircraft Company
Tom Kleven	Maintenance Engineering Cessna Aircraft Company
Mohamad Krichati	Maintenance Engineering Cessna Aircraft Company
Mark Tyler	Maintenance Engineering Cessna Aircraft Company
Jerry Morris	Supervisor Maintenance Engineering Cessna Aircraft Company
Doug Carpenter	Technical Publications Cessna Aircraft Company

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January 31, 2007

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Appendix I Industry Steering Committee Participants

Bill Torphy (ISC Chairman)	Rogers Group, Inc.
Gerry Snook (ISC Co-Chairman)	Cessna Aircraft Company
Ron Center (MRB Chairman)	FAA Advisor
Mike Alquist	FAA Advisor
Dwain Chase (Flight Controls Working Group Chairperson)	Pinnacle Aviation
Richard Abernathy (Systems Working Group Chairperson)	Commerce Bancshares, Inc.
Jeffery Birdsall (Powerplant/APU Working Group Chairperson)	Northrop Grumman Aviation
Mark Chaney (Electrical/Avionics Working Group Chairperson)	Coca-Cola Bottling Company
Michael Webb (Structures Working Group Chairperson)	Williams

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Citation 560XL/XLS (CE-560XL) Maintenance Review Board Report

Appendix J Cessna Defined Intervals

1. List of Cessna Defined Intervals

- A. The purpose of this Appendix is to provide the Citation 560XL and XLS (CE-560XL) operator with a list of intervals that have been determined by Cessna Aircraft Company through the MSG-3 analysis.
- B. Marathon and Saft battery service interval starts at 100 hours or once a year, whichever occurs first. Data developed at the first battery inspection can be used to increase the service interval based on the Battery Service Table below. Intermediate intervals may be verified by interpolation.

Battery Service Table			
Current Service Interval	Average Battery Water Loss		Comments
	Marathon Water Loss per Cell	Saft Water Loss per Cell	
100 hours or once a year, whichever occurs first	Less than 15 cc	Less than 10 cc	Permissible to move to 200 hour service interval
	16 - 34 cc	11 - 25 cc	Check GCU voltage setting (28.5 Vdc) Remain at 100 hour interval until water loss standard is met
200 hours or once a year, whichever occurs first	Less than 20 cc	Less than 13 cc	Permissible to move to 300 hour service interval
	21 - 33 cc	14 -25 cc	Check GCU voltage setting (28.5 Vdc) Remain at 200 hour interval until water loss standard is met
	More than 34 cc	More than 25 cc	Return to 100 hour interval
300 hours or once a year, whichever occurs first	Less than 23 cc	Less than 15 cc	Permissible to move to 400 hour service interval
	24 - 33 cc	16 -25 cc	Check GCU voltage setting (28.5 Vdc) Remain at 300 hour interval until water loss standard is met
	More than 34 cc	More than 25 cc	Return to 200 hour interval
400 hours or once a year, whichever occurs first	Less than 30 cc	Less than 20 cc	Remain at 400 hour service interval
	31 - 33 cc	21-25 cc	Check GCU voltage setting (28.5 Vdc)
	More than 34 cc	More than 25 cc	Return to 300 hour interval

Battery growth data is from Cessna Engineering Six Sigma Project TG0007746 Marathon NI-CAD Battery Service Period Extension Dated April 27, 2006.

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