



Bristow Alaska Inc.
Air Agency
EOPA636D
General Maintenance Manual

Appendix T

Part 135

Maintenance

Training

Program

RECORD OF MANUAL REVISION

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RETAIN THIS SHEET UNTIL ALL REVISION BLANKS ARE FULL

~~Examined & Approved~~

3/15/2012
Date

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**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

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BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program

Prepared in Conformance with Company policy and applicable Federal Aviation Regulations.

Jeff J Ryhti

Digitally signed by Jeff J Ryhti
DN: c=US, st=AK, l=Wasilla, o=Bristow Alaska,
ou=Bristow Alaska,
0.9.2342.19200300.100.1.1=13075, cn=Jeff J
Ryhti, email=jeffery.ryhti@bristowgroup.com
Date: 2012.02.02 14:52:22 -09'00'

Jeff Ryhti
Director of Maintenance

FAA-AL-FSDO-01

Examined & Approved

3/15/2012
Date



Principle Maintenance Inspector, F.A.A.

**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
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1.02 General	1-2	Original	02/08/2010

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2.11 REMOTE AREA MAINTENANCE 407	2-11-1	Original	02/08/2010
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**Jeff J
Ryhti**

Digitally signed by Jeff J Ryhti
DN: c=US, st=AK, l=Watilla, o=Bristow
Alaska, ou=Bristow Alaska,
0.9.2342.19200300.100.1.1=13075,
cn=Jeff J Ryhti,
email=jeffery.ryhti@bristowgroup.com
Date: 2012.02.02 14:52:44 -09'00'

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Part 135 Maintenance Training Program

2.13 Remote area training for the daily service check	2-13-1	Revision 1	1-15-12
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Jeff J
Ryhti

Digitally signed by Jeff J Ryhti
DN: c=US, st=AK, l=Wasilla,
o=Bristow Alaska, ou=Bristow
Alaska,
0.9.2342.19200300.100.1.1=13075,
cn=Jeff J Ryhti,
email=jeffery.ryhti@bristowgroup.c
om
Date: 2012.02.02 14:53:06 -09'00'

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**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

Section 1.0 Introduction

1.01 Revision and Control

The Bristow Alaska Inc. General Maintenance Manual, Appendix T, Part 135 Maintenance Training Program is distributed on an “as needed” basis.

This appendix is revised as necessary to reflect regulatory changes and / or changes to maintenance training procedures or requirements as deemed necessary by the equipment manufacturer or Bristow Alaska Inc. This revision process is accomplished as described in Bristow Alaska Inc. General Maintenance Manual.

A revision to the General Maintenance Manual is not required when this appendix is revised. The revision status of the individual appendixes may be found in the Bristow Alaska Inc. monthly Master Publications List.

Each approved change shall be posted in the Record of Manual Revision. The portion of the text affected by the latest revision is indicated by a vertical line on the left margin. The revision number and effective date are listed at the top of each page.

Maintenance supervisory personnel are responsible for keeping all maintenance manuals assigned to their area of operations at the current revision level.

Each manual and / or appendix holder shall insert revisions by

1. Replacing current pages with newly revised pages.
2. Revising the Log of Revisions sheet with the new revision number, date entered, and their initials.
3. Returning the Publication Revision Memorandum to the Records Section.

**BRISTOW ALASKA INC.
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1.02 General

Appendix T contains curriculum for the various training courses required by Bristow Alaska Inc. Air Carrier Certificate EOPA636D.

Bristow Alaska Inc. Air Carrier Certificate EOPA636D, has arranged with Bristow Alaska Inc. Certified Repair Station EOPR636D to be the primary contractor to conduct its required maintenance training in accordance with Bristow Alaska Inc. Air Carrier EOPA636D AAIP and CAMP maintenance programs. Bristow Alaska Inc. Air Carrier Certificate EOPA636D, has reviewed and approved of the Bristow Alaska Inc. Certified Repair Station EOPR636D Maintenance Training Program

Bristow Alaska Inc Certified Repair Station EOPR636D shall maintain and make available all maintenance training records for the individual mechanics. The format and content of these training records is outlined in the Bristow Alaska Inc. EOPR636D Repair Station Manual, Appendix D, Maintenance Training Program.

Bristow Alaska Inc. Air Carrier Certificate EOPA636D will supply Bristow Alaska Inc Certified Repair Station EOPR636D with the requirements and materials necessary to conduct training in accordance with company and regulatory standards.

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2.01 INITIAL TRAINING COURSE

**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

**MAINTENANCE TRAINING PROGRAM
CURRICULUM**

2.1A INITIAL TRAINING COURSE

INITIAL TRAINING COURSE

24 Hours – 3 days (Approx.)

LESSON 1 Hours	COMPANY INTRODUCTION A classroom conference utilizing multimedia to explain the company history and to introduce Bristow Alaska Inc. key personnel.	1.0
LESSON 2 Hours	ADMINISTRATION A classroom conference utilizing multimedia to explain the company pay policies, medical program, sick leave, vacation policies, and issuance of uniforms.	1.0
LESSON 3	FAA REQUIRED DRUG PROGRAM A classroom conference utilizing multimedia to explain employee participation in the D.O.T./FAA Mandated drug-testing program.	1.0 Hours
LESSON 4	BRISTOW ALASKA INC. SAFETY PROGRAM A classroom conference to explain the company's Safety Program	3.0 Hours
LESSON 5	FAR 135 MAINTENANCE A classroom conference utilizing multimedia to explain operation of Bristow Alaska Inc 135 Maintenance Program.	5.0 Hours

**BRISTOW ALASKA INC.
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INITIAL TRAINING COURSE Continued

LESSON 6	A/C FORMS AND RECORDS A classroom conference utilizing multimedia to explain the use of all forms and aircraft records used by Bristow Alaska Inc and the Procedures used to properly complete these forms and aircraft records in accordance with the Federal Aviation Administration's regulations.	4.0 Hours
LESSON 7	MAINTENANCE CONCEPT A classroom presentation and discussion to familiarize the students with the Bristow Alaska Inc maintenance system to include: AAIP, CAMP, RII, Operations Specifications, phase inspections, daily inspections, preventive maintenance inspections, component overhaul intervals, component mandatory retirement, engine overhaul intervals and engine mandatory retirement.	4.0 Hours
LESSON 8	HUMAN FACTORS A classroom conference to examine the human role of maintenance in the chain of events that cause an aviation occurrence and develop ways to prevent or lessen the seriousness of the occurrence.	4.0 Hours
LESSON 9	HAZARDOUS MATERIAL PROGRAM A classroom conference utilizing multimedia to explain procedures for handling, labeling and classifying hazardous materials.	1.0 Hours

2.02 INITIAL TRAINING COURSE FOR CONTRACT EMPLOYEES

**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

**MAINTENANCE TRAINING PROGRAM
CURRICULUM**

**INITIAL TRAINING COURSE FOR CONTRACT EMPLOYEES
16 Hours – 2 Days (Approx.)**

LESSON 1	COMPANY INTRODUCTION A classroom conference utilizing multimedia to explain the company history and to introduce Bristow Alaska Inc. key personnel.	1.0 Hour
LESSON 2	FAA REQUIRED DRUG PROGRAM A classroom conference utilizing multimedia to explain employee participation in the D.O.T./FAA Mandated drug-testing program.	1.0 Hour
LESSON 3	BRISTOW ALASKA INC. SAFETY PROGRAM A classroom conference to explain the company's Safety Program	3.0 Hours
	LESSON 4 FAR 135 MAINTENANCE A classroom conference utilizing multimedia to explain operation of Bristow Alaska Inc. Part 135 maintenance program	2.0 Hours
LESSON 5	A/C FORMS AND RECORDS A classroom conference utilizing multimedia to explain the use of all forms and aircraft records used by Bristow Alaska Inc. and the procedures used to properly complete these forms and aircraft records in accordance with the Federal Aviation Administration's regulations.	5.0 Hours

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INITIAL TRAINING COURSE FOR CONTRACT EMPLOYEES Continued

LESSON 6	MAINTENANCE CONCEPT	3.0 Hours
	A classroom presentation and discussion to familiarize the students with the Bristow Alaska Inc. maintenance system to include: AAIP, CAMP, RII, Operations Specifications, phase inspections, daily inspections, pre-flight inspections, component overhaul intervals, component mandatory retirement, engine overhaul intervals and engine mandatory retirement.	
LESSON 7	HAZARDOUS MATERIAL PROGRAM	1.0 Hour
	A classroom conference utilizing multimedia to explain procedures for handling, labeling and classifying hazardous materials.	

2.03 206 SERIES FIELD MAINTENANCE COURSE

**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

**206 SERIES FIELD MAINTENANCE COURSE
40 Hours - 5 days (Approx.)**

LESSON 1	INTRODUCTION A classroom conference utilizing multimedia to describe the airframe, powerplant, main rotor, hydraulic system, power train, tail rotor, fuel and electrical system.	1.0 Hour
LESSON 2	PUBLICATIONS A classroom conference utilizing multimedia to describe the content and use of maintenance publication.	1.0 Hour
LESSON 3	AIRFRAME A classroom conference utilizing multimedia to explain: description and construction of fuselage, doors, installation of windshields and windows, use of work decks, cowling and access doors; description of tailboom construction; tail fin description, its construction and purpose; and repair of honeycomb panel.	2.5 Hours
LESSON 4	GROUND HANDLING AND SERVICING A classroom conference utilizing multimedia to explain; hoisting, jacking, leveling, towing, ground handling wheels, parking, mooring, fueling, servicing oil system, gearboxes, main rotor hub servicing, lubrication points.	1.5 Hours

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206 SERIES FIELD MAINTENANCE COURSE Continued

LESSON 5	MAIN ROTOR A classroom conference utilizing multimedia to explain: description and nomenclature of main rotor assembly; identification of replaceable seals and □ rings; description of adjustments permitted in field and methods of balancing; including alignment, vibration identification and troubleshooting of the main rotor assembly.	3.0 Hours
LESSON 6	SWASHPLATE A classroom conference utilizing multimedia to explain: nomenclature of swashplate and collective sleeve assembly; identification of parts, their purpose and relationship to each other; and description and operation of swashplate and controls, their purpose and relation to helicopter control.	1.0 Hour
LESSON 7	TRANSMISSION AND MAST A classroom conference utilizing multimedia to explain: description and operation of transmission including mounting; description and operation of transmission oil system, identification of parts, their purpose and relationship to each other; and description and operation of swashplate and controls, their purpose and relation to helicopter control.	2.0 Hours

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206 SERIES FIELD MAINTENANCE COURSE Continued

LESSON 8	DRIVETRAIN A classroom conference utilizing multimedia to explain: description and operation of input driveshafts, their servicing, removal, installation, and troubleshooting; description, operation, and removal, installation, lubrication, and seal replacement of freewheeling unit; description, operation, removal, and installation of tail rotor driveshaft.	2.0 Hours
LESSON 9	TAIL ROTOR A classroom conference utilizing multimedia to explain: description and operation of tail rotor gearbox; nomenclature of major parts; seal replacement and servicing; pitch change assembly description and operation; discussion of tail rotor assembly, description of parts and relationship to each other; tail rotor removal, inspection and installation; tail rotor blade installation; tail rotor blade inspection, removal and replacement; tail rotor troubleshooting and balancing.	2.0 Hours
LESSON 10	FLIGHT CONTROLS A classroom conference utilizing multimedia to explain: description and operation of controls system, collective, cyclic and tail rotor and rigging procedure.	2.0 Hours

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206 SERIES FIELD MAINTENANCE COURSE Continued

LESSON 11	HYDRAULICS A classroom conference utilizing multimedia to explain: description and operation of hydraulic system, identification and location of components, tracing of lines, the operation of components and control units.	1.0 Hour
LESSON 12	POWERPLANT A classroom conference utilizing multimedia to explain the location, identification, and purpose of external components; brief description of powerplant nomenclature, gas flow, principal of operation and instrumentation; engine field adjustments; description and operation of engine controls and rigging; powerplant removal and installation.	3.0 Hours
LESSON 13	FUEL AND ENGINE OIL A classroom conference utilizing multimedia to explain description and operation of all system components, their function and maintenance; identification and location of components, the tracing of lines, location of drain valves and proper servicing; and troubleshooting of fuel and oil systems.	1.5 Hours
LESSON 14	ELECTRICAL A classroom conference utilizing multimedia to explain familiarization of electrical components and circuits; location of components and their identification; a discussion of power distribution circuits, generator, including external power; field maintenance and adjustments.	1.5 Hours

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206 SERIES FIELD MAINTENANCE COURSE Continued

LESSON 15	UTILITIES A classroom conference utilizing a multimedia to explain description, operation, servicing and repair of the particle separator, hydraulic rotor brake, and emergency flotation landing gear.	1.0 Hour
LESSON 16	INSTRUMENTATION/WEIGHT AND BALANCE A classroom conference utilizing multimedia to explain empty weight calculations and ballast installations; when empty weight should be checked, removal, replacement of components and effect on weight and balance; removal, inspection and reinstallation of instrumentation and warning indicators in cabin.	1.5 Hours
LESSON 17	INSPECTIONS A classroom conference utilizing multimedia to explain general information and scope of various required inspections. Description and understanding of phase inspections, as well as the retirement and replacement schedules.	1.0 Hour
LESSON 18	TEST AND EVALUATION A test of material covered and an evaluation of test results.	2.0 Hours

2.04 407 SERIES FIELD MAINTENANCE COURSE

**BRISTOW ALASKA INC.
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**407 FIELD MAINTENANCE COURSE
40 Hours - 5 days (Approx.)**

LESSON 1	INTRODUCTION/PUBLICATIONS A classroom conference utilizing multimedia to describe the airframe, powerplant, main rotor, hydraulic system, power train, tail rotor, fuel and electrical system and a classroom conference utilizing multimedia to describe the content and use of maintenance publication.	2.0 Hours
LESSON 2	GROUND HANDLING AND SERVICING A classroom conference utilizing multimedia to explain; hoisting, jacking, leveling, towing, ground handling wheels, parking, mooring, fueling, servicing oil system, gearboxes, main rotor hub servicing, lubrication points.	1.5 Hours
LESSON 3	AIRFRAME A classroom conference utilizing multimedia to explain: description and construction of fuselage, doors, installation of windshields and windows, use of work decks, cowling and access doors; description of tailboom construction; tail fin description, its construction and purpose; and repair of honeycomb panels, and familiarization with composite repair.	3.5 Hours

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407 FIELD MAINTENANCE COURSE Continued

LESSON 4	MAIN ROTOR	3.0 Hours
	A classroom conference utilizing multimedia to explain: description and nomenclature of main rotor assembly; description of adjustments permitted in field and methods of balancing; including alignment, vibration identification and troubleshooting of the main rotor assembly.	
LESSON 5	MAIN ROTOR CONTROLS	2.0 Hour
	A classroom conference utilizing multimedia to explain: nomenclature of swashplate and collective sleeve assembly; identification of parts, their purpose and relationship to each other; and description and operation of swashplate and controls, their purpose and relation to helicopter control.	
LESSON 6	MAIN ROTOR DRIVE, MAST AND DRIVETRAIN	4.0 Hours
	A classroom conference utilizing multimedia to explain: description and operation of transmission including mounting; description and operation of transmission oil system, identification of parts, their purpose and relationship to each other; and description and operation of swashplate and controls, their purpose and relation to helicopter control, and a description and operation of input driveshafts, their servicing, removal, installation, and troubleshooting; description, operation, and removal, installation, lubrication, and seal replacement of freewheeling unit; description, operation, removal, and installation of tail rotor driveshaft.	

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407 FIELD MAINTENANCE COURSE Continued

LESSON 7	TAIL ROTOR DRIVE AND TAIL ROTOR A classroom conference utilizing multimedia to explain: description and operation of tail rotor gearbox; nomenclature of major parts; seal replacement and servicing; pitch change assembly description and operation; discussion of tail rotor assembly, description of parts and relationship to each other; tail rotor removal , inspection and installation; tail rotor blade installation; tail rotor blade inspection, removal and replacement; tail rotor troubleshooting and balancing.	3.0 Hours
LESSON 8	HYDRAULICS A classroom conference utilizing multimedia to explain: description and operation of hydraulic system, identification and location of components, tracing of lines, the operation of components and control units.	2.0 Hour
LESSON 9	FLIGHT CONTROLS A classroom conference utilizing multimedia to explain: description and operation of controls system, collective, cyclic and tail rotor and rigging procedure.	3.0 Hours
LESSON 10	ELECTRICAL A classroom conference utilizing multimedia to explain familiarization of electrical components and circuits; location of components and their identification; a discussion of power distribution	3.5 Hours

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circuits, generator, including external power; field maintenance and adjustments.

407 FIELD MAINTENANCE COURSE Continued

LESSON 11	FUEL AND ENGINE OIL A classroom conference utilizing multimedia to explain description and operation of all system components, their function and maintenance; identification and location of components, the tracing of lines, location of drain valves and proper servicing; and troubleshooting of fuel and oil systems.	2.5 Hours
LESSON 12	POWERPLANT A classroom conference utilizing multimedia to explain the location, identification, and purpose of external components; brief description of powerplant nomenclature, gas flow, principal of operation and instrumentation; engine field adjustments; description and operation of engine controls and rigging; powerplant removal and installation. Also using a lap top computer and aircraft (if available) explain the CMC -135 Maintenance Terminal.	5.0 Hours
LESSON 13	INSPECTIONS A classroom conference utilizing multimedia to explain general information and scope of various required inspections. Description and understanding of phase inspections as well as retirement and replacement schedules.	1.0 Hour
LESSON 14	TEST AND EVALUATION	2.0 Hours

**BRISTOW ALASKA INC.
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A test of material covered and an evaluation of test results.

2.05 BO 105 FIELD MAINTENANCE COURSE

**BRISTOW ALASKA INC.
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**BO-105 FIELD MAINTENANCE COURSE
32 Hours - 4 days (Approx.)**

LESSON 1	INTRODUCTION A classroom conference utilizing multimedia to describe the airframe, powerplant, main rotor, hydraulic system, power train, tail rotor, fuel and electrical system.	1.0 Hour
LESSON 2	PUBLICATIONS A classroom conference utilizing multimedia to describe the content and use of maintenance publications.	1.0 Hour
LESSON 3	GROUND HANDLING AND SERVICING A classroom conference utilizing multimedia to explain; hoisting, jacking, leveling, towing, ground handling wheels, parking, mooring, fueling, servicing oil system, gearboxes, main rotor hub servicing, lubrication points.	1.0 Hours
LESSON 4	LIFTING SYSTEM A classroom conference utilizing multimedia to explain: description and nomenclature of main rotor assembly; identification of replaceable seals and rings; description of adjustments permitted in field and methods of balancing; including alignment, vibration identification and troubleshooting of the main rotor assembly.	3.0 Hours

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BO-105 FIELD MAINTENANCE COURSE Continued

LESSON 5	FUSELAGE A classroom conference utilizing multimedia to explain: description and construction of fuselage, doors, installation of windshields and windows, landing gear and steps, use of work decks, cowling and access doors.	4.0 Hours
LESSON 6	EMPENNAGE A classroom conference utilizing multimedia to explain: description of tailboom construction; tail fin description, tail rotor driveshaft, and tail rotor.	3.0 Hours
LESSON 7	FLIGHT CONTROLS A classroom conference utilizing multimedia to explain: nomenclature and identification of parts, their purpose and relationship to each other; and description and operation of main rotor and tail rotor controls, description and operation of the hydraulic system, their purpose and relation to helicopter control.	5.0 Hour
LESSON 8	POWERPLANT A classroom conference utilizing multimedia to explain the location, identification, and purpose of external components; brief description of powerplant nomenclature, gas flow, principal of operation and instrumentation; engine field adjustments; description and operation of engine controls and rigging; powerplant removal and installation.	4.5 Hours

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BO-105 FIELD MAINTENANCE COURSE Continued

LESSON 9	FUEL AND ENGINE OIL A classroom conference utilizing multimedia to explain description and operation of all system components, their function and maintenance; identification and location of components, the tracing of lines, location of drain valves and proper servicing; and troubleshooting of fuel and oil systems.	2.0 Hours
LESSON 10	ELECTRICAL A classroom conference utilizing multimedia to explain familiarization of electrical components and circuits; location of components and their identification; a discussion of power distribution circuits, generator, including external power; field maintenance and adjustments.	3.5 Hours
LESSON 11	MAINTENANCE & INSPECTIONS A classroom conference utilizing multimedia to explain general information and scope of various required inspections and maintenance, description and understanding of phase inspections, as well as the retirement and replacement schedules.	2.0 Hour
LESSON 12	TEST AND EVALUATION A test of material covered and an evaluation of test results.	2.0 Hours

2.06 212 FIELD MAINTENANCE COURSE

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**212 FIELD MAINTENANCE COURSE
84 Hours - 11 days (Approx.)**

LESSON 1	INTRODUCTION A classroom conference utilizing multimedia to describe the fuselage, powerplant, transmission, main rotor, stabilizer bar, tail rotor, electrical power systems, hydraulic system, force trim, synchronized elevator, landing gear, flight instruments, ventilation, lighting, emergency equipment general data. Also included are discussions describing the standard interior, cargo compartment, baggage compartment, principal dimensions and weight and balance procedures.	3.0 Hours
LESSON 2	PUBLICATIONS A classroom conference utilizing multimedia to describe the content and use of maintenance publications.	1.0 Hour
LESSON 3	AIRFRAME A classroom conference utilizing multimedia to describe windshields, crew doors, hinged panel door, passenger/cargo doors, power plant cowling, driveshaft covers, tailboom, tail skit, landing gear, station diagram, type of construction, hoisting, jacking, leveling, maintenance hoist, towing, ground handling wheels and servicing.	5.0 Hours
LESSON 4	MAIN ROTOR GROUP A classroom conference utilizing multimedia describing the general data, the hub and blade assembly, tracking procedures, vibration, stabilizer bar, dampers, track and balance procedures.	8.0 Hours

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212 FIELD MAINTENANCE COURSE Continued

LESSON 5	MAST AND ROTATING CONTROLS A classroom conference utilizing multimedia describing the main rotor mast and rotating controls.	4.0 Hours
LESSON 6	TRANSMISSION A classroom conference utilizing multimedia describing the general data, powertrain, transmission components, mounts, internal components, sump and accessory drive assembly, input drive quill, hydraulic pump drive quill, oil system and main driveshaft.	8.0 Hours
LESSON 7	ANTI-TORQUE SYSTEM A classroom conference utilizing multimedia to describe the system general data, tail rotor driveshafts, driveshafts hangers, intermediate gearbox and tail rotor gearbox.	4.0 Hours
LESSON 8	TAIL ROTOR A classroom conference utilizing multimedia to describe the system general data, component description, operation and rigging.	4.0 Hours
LESSON 9	POWERPLANT A classroom conference utilizing multimedia to describe the general data, air management system, power section airflow, major divisions, fuel system, lubrication systems, bleed air system, ignition	4.0 Hours

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system, power level control system, and power turbine governor control system.

212 FIELD MAINTENANCE COURSE Continued

LESSON 10	FUEL SYSTEM A classroom conference utilizing multimedia to describe the system general data, components, schematic, fuel pump and sump assembly, and the fuel/engine control panel.	4.0 Hours
LESSON 11	HYDRAULIC SYSTEM A classroom conference utilizing multimedia to describe the system general data, theory of operation of hydraulic systems, hydraulic system #1, hydraulic system #2, hydraulic accumulator and hydraulic servo actuators.	5.0 Hours
LESSON 12	FLIGHT CONTROLS A classroom conference utilizing multimedia to describe the systems general data, collective pitch control system, cyclic controls systems, synchronized elevator controls, tail rotor control system, force trim system and rigging.	8.0 Hours
LESSON 13	ELECTRICAL SYSTEM A classroom conference utilizing multimedia to describe the systems general data, the DC power distribution system and its components description and operation, the AC power distribution system and its components description and operation, and manual information and wiring diagrams.	8.0 Hours

**BRISTOW ALASKA INC.
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212 FIELD MAINTENANCE COURSE Continued

LESSON 14	AVIONICS/AFCS A classroom conference utilizing multimedia to describe the system general data, standard equipment, optional equipment, and component locations.	8.0 Hours
LESSON 15	INSTRUMENT A classroom conference utilizing multimedia to describe the system general data, and the following instrument group; flight, navigation, propulsion, and miscellaneous. Also includes a description of the pitot-static system.	4.0 Hours
LESSON 16	UTILITY SYSTEMS A classroom conference utilizing multimedia to describe the ventilating system, heating system, windshield wiper system, fire detector, fire extinguisher system and cargo hook system.	4.0 Hours
LESSON 17	MAINTENANCE & INSPECTIONS A classroom conference utilizing multimedia to explain general information and scope of various required inspections and maintenance Description and information on the daily inspection, PMI and phase inspections, as well as the retirement and replacement schedules.	4.0 Hours
LESSON 18	TEST AND EVALUATION A test of material covered and an evaluation of test results.	2.0 Hours

2.07 412 FIELD MAINTENANCE COURSE

**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

**412 FIELD MAINTENANCE COURSE
84 Hours - 11 days (Approx.)**

LESSON 1	INTRODUCTION A classroom conference utilizing multimedia to describe the fuselage, powerplant, transmission, main rotor, stabilizer bar, tail rotor, electrical power systems, hydraulic system, force trim, synchronized elevator, ventilation, lighting, emergency equipment and miscellaneous equipment general data. Also included are discussions describing the standard interior, cargo compartment, baggage compartment, principal dimensions and weight and balance procedures.	3.0 Hours
LESSON 2	PUBLICATIONS A classroom conference utilizing multimedia to describe the content and use of maintenance publications.	1.0 Hour
LESSON 3	AIRFRAME A classroom conference utilizing multimedia to describe windshields, crew doors, hinged panel door, passenger/cargo doors, power plant cowlings, transmission cowlings, driveshaft covers, tailboom, tail skid, landing gear, station diagram, type of construction, hoisting, jacking, leveling, maintenance hoist, towing, ground handling wheels, and servicing.	5.0 Hours
LESSON 4	MAIN ROTOR GROUP A classroom conference utilizing multimedia describing the general data, the hub and blade assembly, tracing procedures, smoothing procedures, vibrations, track and balance procedures.	8.0 Hours

**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

412 FIELD MAINTENANCE COURSE Continued

LESSON 5	MAST AND ROTATING CONTROLS A classroom conference utilizing multimedia describing the main rotor mast, and rotating controls.	4.0 Hours
LESSON 6	TRANSMISSION A classroom conference utilizing multimedia describing the general data, powertrain, transmission components, mounts, internal components, sump and accessory drive assembly, input drive quill, hydraulic pump drive quill, oil system and main driveshaft.	8.0 Hours
LESSON 7	ANTI-TORQUE SYSTEM A classroom conference utilizing multimedia to describe the system general data, tail rotor driveshafts, driveshaft hangers, intermediate gearbox and tail rotor gearbox.	4.0 Hours
LESSON 8	TAIL ROTOR A classroom conference utilizing multimedia to describe the system general data, component description, operation and rigging.	4.0 Hours
LESSON 9	POWERPLANT A classroom conference utilizing multimedia to describe the general data, air management system, power section airflow, major divisions, fuel system, lubrication systems, bleed air system, ignition system, power level control system and power turbine governor control system.	4.0 Hours

**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

412 FIELD MAINTENANCE COURSE Continued

LESSON 10	FUEL SYSTEM A classroom conference utilizing multimedia to describe the system general data, components, schematic, fuel pump and sump assembly and the fuel engine control panel.	4.0 Hours
LESSON 11	HYDRAULIC SYSTEM A classroom conference utilizing multimedia to describe the system general data and the following instrument groups; flight, navigation, propulsion and miscellaneous. Also includes a description of the pilot-static system.	4.0 Hours
LESSON 12	FLIGHT CONTROLS A classroom conference utilizing multimedia to describe the systems general data, collective pitch control system, cyclic controls systems, synchronized elevator controls, tail rotor control system, force trim system and rigging.	5.0 Hours
LESSON 13	ELECTRICAL SYSTEM A classroom conference utilizing multimedia to describe the systems general data, the DC power distribution system and its components description and operation, the AC power distribution system and its components description and operation and manual information and wiring diagrams.	8.0 Hours
LESSON 14	AVIONICS A classroom conference utilizing multimedia to describe the system general data, standard equipment, optional equipment and component locations.	8.0 Hours

**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

412 FIELD MAINTENANCE COURSE Continued

LESSON 15	INSTRUMENTS	4.0 Hours
	A classroom conference utilizing multimedia to describe the system general data, and the following instrument groups; flight, navigation, propulsion and miscellaneous. Also includes a description of the pilot-static system.	
LESSON 16	UTILITY SYSTEMS	4.0 Hours
	A classroom conference utilizing multimedia to describe the ventilating system, heating system, windshield wiper system, fire detector, fire extinguisher system and cargo hook system.	
LESSON 17	MAINTENANCE & INSPECTIONS	4.0 Hours
	A classroom conference utilizing multimedia to explain general information and scope of various required inspections and maintenance Description and information on the daily inspection, PMI and phase inspections, as well as the retirement and replacement schedules.	
LESSON 18	TEST AND EVALUATION	2.0 Hours
	A test of material covered and an evaluation of test results.	

2.08 REQUIRED INSPECTION PERSONNEL COURSE

**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

**REQUIRED INSPECTION PERSONNEL COURSE
8 Hours - 1 day (Approx.)**

LESSON 1	DUTIES AND RESPONSIBILITIES A classroom conference utilizing multimedia to explain the duties and responsibilities of an RII Inspector.	1.0 Hour
LESSON 2	MANUFACTURER'S MAINTENANCE MANUAL A classroom conference utilizing multimedia to review use of Manufacturer's Maintenance Manuals, ATA100 Chapter Numbering System and JASC codes.	1.0 Hour
LESSON 3	CAMP PROGRAM A classroom conference utilizing multimedia and Bristow Alaska Inc CAMP manuals to explain CAS program and show proper use of aircraft logbook, entries and proper tagging procedures of parts. Explain specific requirements for each RII item.	5.0 Hours
LESSON 4	TEST AND EVALUATION A test of all material covered and an evaluation of test results.	1.0 Hours

2.09 PARTS RECEIVING PERSONNEL COURSE

**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

PARTS RECEIVING PERSONNEL COURSE

8 Hours - 1 day (Approx.)

LESSON 1	DUTIES AND RESPONSIBILITIES A classroom conference utilizing multimedia to explain the duties and responsibilities of Parts Receiving Personnel.	1.0 Hour
LESSON 2	RECEIVING POLICY & INCOMING INSPECTION A classroom conference utilizing multimedia and hands on demonstrations to familiarize personnel with required documentation including historical records, maintenance releases, serviceable tags, traceability, approved vendors, and shelf life.	3.0 Hours
LESSON 3	NEW, REPAIRED, AND OVERHAULED COMPONENTS A classroom conference utilizing multimedia and hands on demonstrations to explain inspection procedures including visual inspection for damage, documentation, and shelf life.	1.0 Hour
LESSON 4	CONSUMABLE MATERIALS A classroom conference utilizing multimedia and hands on demonstrations to explain inspection procedures of consumable materials including life limited consumable materials.	1.0 Hour
LESSON 5	SUSPECTED UNAPPROVED PARTS A classroom conference utilizing multimedia to explain the procedure for determination and disposition of suspected unapproved parts.	1.0 Hour
LESSON 6	PERSONNEL EVALUATION A review of all material covered and an evaluation of applicant.	1.0 Hour

**2.10 PILOT REMOTE AREA MAINTENANCE TRAINING
BELL 206 SERIES**

**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

**PILOT REMOTE AREA MAINTENANCE TRAINING
BELL 206 SERIES
4 Hours – 1/2 day (Approx.)**

LESSON 1	DUTIES AND RESPONSIBILITIES A shop environment conference utilizing lecture and example to explain the duties and responsibilities of a pilot authorized to perform remote area maintenance.	0.5 Hour
LESSON 2	FLUID SERVICING A shop environment conference utilizing lecture, example, and practical application to demonstrate gaining access to fluid servicing fillers, and servicing fluids and daily grease lubrication points.	1.0 Hour
LESSON 3	CHIP DETECTOR MAINTENANCE A shop environment conference utilizing lecture, example, and practical application to experience removal, cleaning, and reinstalling chip detectors.	1.5 Hours
LESSON 4	MISCELLANEOUS MAINTENANCE A shop environment conference utilizing lecture and example to demonstrate removal and installation of battery and igniter plug as well as proper leak checking of systems.	0.5 Hours
LESSON 5	DOCUMENTATION AND RECORDKEEPING A shop environment conference utilizing lecture, example, and practical application to enter proper documentation into the logbook.	0.5 Hours

**2.11 PILOT REMOTE AREA MAINTENANCE TRAINING
BELL 407**

**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

PILOT REMOTE AREA MAINTENANCE TRAINING

BELL 407

4 Hours – 1/2 day (Approx.)

LESSON 1	DUTIES AND RESPONSIBILITIES A shop environment conference utilizing lecture and example to explain the duties and responsibilities of a pilot authorized to perform remote area maintenance.	0.5 Hour
LESSON 2	FLUID SERVICING A shop environment conference utilizing lecture, example, and practical application to demonstrate gaining access to fluid servicing fillers, and servicing fluids and daily grease lubrication points.	1.0 Hour
LESSON 3	CHIP DETECTOR MAINTENANCE A shop environment conference utilizing lecture, example, and practical application to experience removal, cleaning, and reinstalling chip detectors.	1.5 Hours
LESSON 4	MISCELLANEOUS MAINTENANCE A shop environment conference utilizing lecture and example to demonstrate removal and installation of battery and ignitor plug as well as proper leak checking of systems.	0.5 Hours
LESSON 5	DOCUMENTATION AND RECORDKEEPING A shop environment conference utilizing lecture, example, and practical application to enter proper documentation into the logbook.	0.5 Hours

2.12 PILOT REMOTE AREA MAINTENANCE TRAINING
AEC BO 105

**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

PILOT REMOTE AREA MAINTENANCE TRAINING

AEC BO 105

4 Hours – 1/2 day (Approx.)

LESSON 1	DUTIES AND RESPONSIBILITIES A shop environment conference utilizing lecture and example to explain the duties and responsibilities of a pilot authorized to perform remote area maintenance.	0.5 Hour
LESSON 2	FLUID SERVICING A shop environment conference utilizing lecture, example, and practical application to demonstrate gaining access to fluid servicing fillers, and servicing fluids and daily grease lubrication points.	1.0 Hour
LESSON 3	CHIP DETECTOR MAINTENANCE A shop environment conference utilizing lecture, example, and practical application to experience removal, cleaning, and reinstalling chip detectors.	1.5 Hours
LESSON 4	MISCELLANEOUS MAINTENANCE A shop environment conference utilizing lecture and example to demonstrate removal and installation of battery and ignitor plug as well as proper leak checking of systems.	0.5 Hours
LESSON 4	DOCUMENTATION AND RECORDKEEPING A shop environment conference utilizing lecture, example, and practical application to enter proper documentation into the logbook.	0.5 Hours

2.13 PILOT REMOTE AREA TRAINING FOR THE DAILY
SERVICE CHECK
BELL 412

**BRISTOW ALASKA INC.
GENERAL MAINTENANCE MANUAL
Part 135 Maintenance Training Program**

PILOT REMOTE AREA TRAINING FOR THE DAILY SERVICE CHECK

BELL 412

2.5 Hours – 1/3 day (Approx.)

LESSON 1	DUTIES AND RESPONSIBILITIES A shop or classroom environment utilizing lecture and/or examples to explain the duties and responsibilities of a pilot authorized to perform a daily service check.	0.5 Hour
LESSON 2	FLUID SERVICING A shop or classroom environment utilizing lecture and/or examples to demonstrate gaining access to fluid servicing fillers, proper servicing fluids and daily grease lubrication points.	0.5 Hour
LESSON 3	MISCELLANEOUS MAINTENANCE A shop or classroom environment utilizing lecture and/or examples to demonstrate removal and installation of battery.	0.5 Hours
LESSON 4	DAILY SERVICE CHECK A shop or classroom environment utilizing lecture and/or examples demonstrating how to perform a daily service check.	0.5 Hours
LESSON 5	DOCUMENTATION AND RECORDKEEPING A shop or classroom environment utilizing lecture and/or examples demonstrating how to enter proper documentation into the logbook.	0.5 Hours