

HELIWORK SERVICES

UK.145.00019

APPROVED CAPABILITY MANUAL

Ref: HW/ENG/145/3

Issue 6

Dated: 16 October 2013

Heliwork Services UK.145.00019	APPROVED CAPABILITY MANUAL General	Section: 0.1	
		Page: 1 of 1	
INTRODUCTION		Issue: 6	Rev: 1
		Date: 01/06/2016	

This Approved Capability Manual Ref HW/ENG/145/3 contains a detailed breakdown of the company's **Part 145.A.20 Scope of Work** as listed in the **Company Exposition HW/ENG/145 Section 1.9**.

The primary function of this manual is to provide a more detailed "Capability List" in respect of the Part-145 Class - Components, for the Ratings which the company holds.

The Chief of Maintenance being the person responsible for control of the company's maintenance approvals, shall be responsible for revision of this manual, and to ensure that the capability indicated in the Manual does not exceed that stated in the companies MOE Section 1.9.

The manual is a company "Controlled Document" which is considered to form part of the company's Part-145 UK.145.00019 Approval.



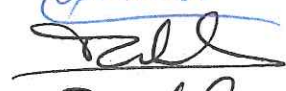
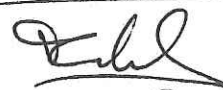
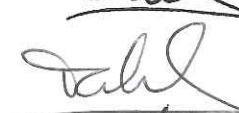
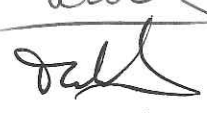

The disposition of Controlled Copies of this manual is as follows:

Copy	Holder(s)
1	Chief of Maintenance
2	Civil Aviation Authority
Network	All Heliwork Staff

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VOLUME CONTENT & CHECK LIST OF PAGES		Issue: 6	Rev: 7
		Date: 03/08/2017	

<u>SUBJECT</u>	<u>Section</u>	<u>Pages</u>	<u>Rev</u>
<u>PART 0 - GENERAL</u>			
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Volume Contents & Check List of Pages	0.2	1	7
Revision Record	0.3	1	0
<u>PART 1 – CLASS: AIRCRAFT</u>			
A3 Helicopters	1.1	1	4
<u>PART 2 – CLASS: ENGINES</u>			
B1 Turbine	2.1	1	0
<u>PART 3 – CLASS: COMPONENTS</u>			
C5 Electrical	3.1	1	2
C6 Equipment	3.2	1	0
C7 Engine – APU	3.3	1	0
C8 Flight Controls	3.4	1	1
C9 Fuel – Airframe	3.5	1	0
C10 Helicopter Rotors	3.6	1	3
C11 Helicopter Transmissions	3.7	1 to 2	0
C12 Hydraulic	3.8	1 to 2	2
C14 Landing Gear	3.9	1	3
C20 Structural	3.10	1	0
<u>PART 4 – CLASS: SPECIAL PROCESSES</u>			
D1 Non-Destructive Testing	4.1	1	1

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REVISION RECORD		Issue: 6	Rev: 0
		Date: 16/10/2013	

Revision Number	Date of Embodiment	Signature of Person Embodying
REVISION 1	03 SEPTEMBER 2014	
REVISION 2	16 JANUARY 2015	
REVISION 3	01 JUNE 2016	
REVISION 4	05 SEPTEMBER 16	
REVISION 5	16 JANUARY 17	
REVISION 6	13 FEBRUARY 17	
REVISION 7	16 NOVEMBER 17	

Heliwork Services UK.145.00019	APPROVED CAPABILITY MANUAL Class: Aircraft	Section: 1.1	
		Page: 1 of 1	
RATING: A3 HELICOPTERS		Issue: 6	Rev: 4
		Date: 03/08/2017	

LIMITATION	CAPABILITY
Agusta/Bell 206 Series with RR/250 Series Engines	Base & Line
Agusta 109 Series with RR 250 & PW 206/207 Engines	Base & Line
Bell 206 Series with RR/250 Series Engines	Base & Line
Bell 222 Series with Honeywell LTS-101Engines	(See <i>Note</i>)
Bell & Agusta 212 with Pratt & Whitney PT-6T Engines	(See <i>Note</i>)
Bell & Agusta 412 with Pratt & Whitney PT-6T Engines	(See <i>Note</i>)
Bell 407 with RR/250 Series Engines	Base & Line
Bell 429 with Pratt&Whitney PT207D Engines	Base & Line
Airbus Helicopters AS-350 Series with Turbomeca Arriel Engines	Base & Line
Airbus Helicopters AS355 Series with RR 250 and Turbomeca Arrius Engines	Base & Line
Airbus Helicopters EC120 with Turbomeca Arrius Engines	Base & Line
Enstrom F28 Series with Lycoming HIO-360 Series Engines	Base & Line
Enstrom 280 Series with Lycoming HIO-360 Series Engines	Base & Line
Enstrom 480 Series with RR/250 Series Engines	Base & Line
MD 369 Series with RR/250 Series Engines	Base & Line
Robinson R-22 Series with Lycoming O-320 and O-360 Series Engines	Base & Line
Robinson R-44 Series with Lycoming O-540 and IO-540 Series Engines	Base & Line
Cabri G2 with Lycoming O-360 Series Engine	Base & Line

Note: The Current EASA Form 3 Approval Schedule indicates the **Bell & Agusta 212/412 and Bell 222**; these types are currently “suspended” from the company approved capability, due to no Part 66 Qualified Staff being currently employed for these types.

Heliwork Services UK.145.00019	APPROVED CAPABILITY MANUAL Class: Engines	Section: 2.1	
		Page: 1 of 1	
RATING: B1 TURBINE		Issue: 6	Rev: 0
		Date: 16/10/2013	

✓ *B1 Turbine Capability was removed from Scope of Work in May 2012.*

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RATING: C5 ELECTRICAL		Issue: 6	Rev: 2
		Date: 09/10/2014	

Component: NICKEL CADMIUM BATTERIES

Manufacturer: **MARATHON NORCO AEROSPACE Inc.**

Part Numbers	Approved Capability
All part numbers listed in Marathon Norco Aerospace Inc. Manual 24-34-00, Pages INTRO-4 & INTRO-5	All maintenance and testing as indicated in manual 24-34-00

Manufacturer: **SAFT**

Part Numbers	Approved Capability
All part numbers listed in Saft Operating & Maintenance Manual 24-30-99, Pages 10003 through 10007	All maintenance and testing as indicated in manual 24-30-99

Component: LEAD ACID BATTERIES

Manufacturer: **GILL TELEDYNE BATTERY CORPORATION**

Part Numbers	Approved Capability
All part numbers listed in Gill TBP 1560 Table 1	All maintenance and testing as indicated in TBP 1560
All part numbers listed in Gill CMM Q01-1101	All maintenance and testing as indicated in CMM Q01-1101

Manufacturer: **CONCORDE BATTERY CORPORATION**

Part Numbers	Approved Capability
RG Series Valve Regulated Main Aircraft Battery	All maintenance and testing as indicated in Concorde CMM 24-30-71

Manufacturer: **HAWKER**

Part Numbers	Approved Capability
All part numbers listed in Hawker Maintenance Manual 9602-0421, Appendix A	All maintenance and testing as indicated in Hawker MM 9602-0421

Component: STARTER/GENERATOR

Manufacturer: **SAFRAN POWER**

Maintenance Data	Approved Capability
Safran Maintenance Manual 23700 (24-00-10)	Inspection and run-in <u>by motoring</u> as indicated in maintenance manual

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RATING: C6 EQUIPMENT		Issue: 6	Rev: 0
		Date: 16/10/2013	

Aircraft type: BELL & AGUSTA/BELL 206 Series & BELL 407		
Part Numbers	Component	Approved Capability
206-706-104 206-704-335 206-706-341	Cargo Hook	All maintenance as defined in Bell Helicopter Service Instructions and Bulletins.

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		Page: 1 of 1	
RATING: C7 ENGINE-APU		Issue: 6	Rev: 0
		Date: 16/10/2013	

Aircraft type: BELL & AGUSTA 206 Series		
Part Numbers	Component	Approved Capability
206-061 206-706	Cowling – Engine and Transmission	All maintenance as defined in TC Holder Maintenance & Overhaul Manuals Chapter 71, Bulletins and BHT-206-SRM
206-061 206-064	Engine Mounts	All maintenance as defined in TC Holder Maintenance & Overhaul Manuals Chapter 71, and Bulletins
206-061 206-064	Exhaust Ducts	All maintenance as defined in TC Holder Maintenance & Overhaul Manuals Chapter 71, and Bulletins <i>(Weld repairs under sub-contract)</i>
Aircraft type: BELL & AGUSTA 212/412 Series		
Part Numbers	Component	Approved Capability
209-062-104	Horizontal Tube <i>(Engine mount)</i>	All maintenance as defined in TC Holder Maintenance & Overhaul Manuals Chapter 71, and Bulletins
212-061-101	Engine Mount	
212-061-107 212-061-108	Mount Assembly <i>(Engine)</i>	
212-061-117	Vertical Tube <i>(Engine mount)</i>	
209-062-502	Blower, Oil Cooler	All maintenance as defined in TC Holder Maintenance & Overhaul Manuals Chapter 79, and Bulletins

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RATING: C8 FLIGHT CONTROLS		Issue: 6	Rev: 1
		Date: 05/09/2016	

Aircraft type: AGUSTA 109 Series		
Part Numbers	Component	Approved Capability
All	Swashplate Assembly	All maintenance as defined in OEM Maintenance & Overhaul Manuals and Bulletins
	Tail Rotor Pitch Change Assembly	
	Tubes, Levers, Supports & Bellcranks	
Aircraft type: BELL & AGUSTA/BELL 206 Series		
Part Numbers	Component	Approved Capability
All	Swashplate & Support Assembly	All maintenance as defined in OEM Maintenance & Overhaul Manuals and Bulletins
	Tail Rotor Pitch Change	
	Tubes, Levers, Supports & Bellcranks	
Aircraft type: BELL & AGUSTA/BELL 212/412 Series		
Part Numbers	Component	Approved Capability
204/205/212-All	Swashplate & Support Assembly	All maintenance as defined in OEM Maintenance & Overhaul Manuals and Bulletins
412-All	Hub & Sleeve Assembly	
	Swashplate & Support Assembly	
	Scissors & Sleeve Assembly	
All	Tubes, Levers, Supports & Bellcranks	
Aircraft type: BELL 222/230/430 Series		
Part Numbers	Component	Approved Capability
222-All	Swashplate & Support Assembly	All maintenance as defined in OEM Maintenance & Overhaul Manuals and Bulletins
	Control Installation	
430-All	Swashplate & Support Installation	
	Controls & Mast Installation	
All	Tubes, Levers, Supports & Bellcranks	
Aircraft type: BELL 407		
Part Numbers	Component	Approved Capability
All	Swashplate & Support Assembly Tubes, Levers, Supports & Bellcranks	All maintenance as defined in OEM Maintenance & Overhaul Manuals and Bulletins

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RATING: C8 FLIGHT CONTROLS		Issue: 6	Rev: 1
		Date: 05/09/2016	

Aircraft type: BELL 429		
Part Numbers	Component	Approved Capability
429-012-112-All	Pitch Link Assembly, Tail Rotor	Repair as defined in OEM Maintenance Manuals and Bulletins

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RATING: C9 FUEL-AIRFRAME		Issue: 6	Rev: 0
		Date: 16/10/2013	

Aircraft type: BELL & AGUSTA/BELL 206 Series		
Part Numbers	Component	Approved Capability
206-061-675 FCR49954 206-061-661	Fuel Cell	All maintenance as defined in Bell Helicopter Maintenance Manuals and Bulletins
206-366-621	Filter Assembly	
206-062-681 206-063-602	Pump Assembly	

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RATING: C10 HELICOPTER ROTORS		Issue: 6	Rev: 3
		Date: 03/08/2017	

Aircraft type: AGUSTA 109 Series		
Part Numbers	Component	Approved Capability
All	Main Rotor Hub Assembly Tail Rotor Assembly	All maintenance as defined in OEM Maintenance & Overhaul Manuals and Bulletins
Aircraft type: BELL & AGUSTA/BELL 206 Series		
Part Numbers	Component	Approved Capability
All	Main Rotor Assembly Tail Rotor Hub Assembly Tail Rotor Blade	All maintenance as defined in OEM Maintenance & Overhaul Manuals and Bulletins
Aircraft type: BELL & AGUSTA/BELL 212/412 Series		
Part Numbers	Component	Approved Capability
212-All 412-All 204-All	Main Rotor Hub Assembly	All maintenance as defined in OEM Maintenance & Overhaul Manuals and Bulletins
All	Stabiliser Bar Assembly Pylon Assembly Tail Rotor Installation Tail Rotor Hub & Blade Tail Rotor Blade Assembly	
Aircraft type: BELL 222/230/430 Series		
Part Numbers	Component	Approved Capability
All	Main Rotor Hub Assembly Control Installation Main Rotor Tail Rotor Installation Tail Rotor Hub & Blade Assembly	All maintenance as defined in OEM Maintenance & Overhaul Manuals and Bulletins
430-All	Hub & Blade Installation Yoke & Damper Assembly	
Aircraft type: BELL 407		
Part Numbers	Component	Approved Capability
All	Main Rotor Hub & Blade Inst. Control Installation Main Rotor Tail Rotor Installation Tail Rotor Hub & Blade Assembly	All maintenance as defined in OEM Maintenance & Overhaul Manuals and Bulletins

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RATING: C10 HELICOPTER ROTORS		Issue: 6	Rev: 3
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Aircraft type: BELL 429		
Part Numbers	Component	Approved Capability
All	T/R Hub & Blade Assembly	Repair as defined in OEM Maintenance Manuals and Bulletins

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RATING: C11 HELICOPTER TRANSMISSIONS		Issue: 6	Rev: 0
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Aircraft type: AGUSTA 109 Series		
Part Numbers	Component	Approved Capability
109-0415	Coupling Adapter	All maintenance as defined in OEM Maintenance & Overhaul Manuals and Bulletins
All	Tail Rotor Driveshaft Assembly Transmission Support Assembly	
109-0403-07- 109-0400-02- 109-0400-03-	Main Transmission	Inspection and Repair – Not Overhaul
All	Freewheel unit	
109-0440-01-	Tail Rotor Gearbox	
Aircraft type: BELL & AGUSTA/BELL 206 Series		
Part Numbers	Component	Approved Capability
All	Mast Assembly Main Transmission Assembly Input Drive Shaft Assembly Tail Rotor Drive Shafts Tail Rotor Gearbox Freewheel Assembly Pylon Support	All maintenance as defined in Bell Helicopter Maintenance and Overhaul Manuals and Service/Technical Bulletins
Aircraft type: BELL & AGUSTA/BELL 212/412 Series		
Part Numbers	Component	Approved Capability
All	Mast Assembly 42° Gearbox Assembly 90° Gearbox Assembly Transmission Assembly Transmission Supports Input Driveshaft Assembly Tail Rotor Driveshafts	All maintenance as defined in Bell Helicopter Maintenance & Overhaul Manuals and Bulletins
Aircraft type: BELL 222/230/430 Series		
Part Numbers	Component	Approved Capability
All	Tail Rotor Drive Tail Rotor Gearbox Drive Shaft Assembly Drive System Installation	All maintenance as defined in Bell Helicopter Maintenance & Overhaul Manuals and Bulletins

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222-All	Mast Assembly	
430-All	Main Transmission Assembly	
Aircraft type: BELL 407		
Part Numbers	Component	Approved Capability
All	Mast Assembly Main Transmission Freewheel Input Drive Shaft Tail Rotor Gearbox Tail Rotor Driveshafts	All maintenance as defined in Bell Helicopter Maintenance & Overhaul Manuals and Bulletins
Aircraft type: MD 369 Series		
Part Numbers	Component	Approved Capability
369A-All	Transmission Assembly	All maintenance as defined in OEM Handbook of Maintenance Instructions and Bulletins
369D-All	Tail Rotor Transmission	
All	Over-running Clutch Assembly	

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RATING: C12 HYDRAULIC		Issue: 6	Rev: 2
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Aircraft type: AGUSTA 109 Series		
Part Numbers	Component	Approved Capability
109-1010-42	Main Flight Actuator	Maintenance restricted to Inspection, Seal Changes and Repairs as defined in OEM Manuals and Bulletins
109-0512-40 109-0512-70	Accumulator Group	
109-00040-51	Tail Rotor Servo	
109-0506-56	Rotor Brake	
109-0500-10	Nose Landing Gear Actuator	
109-0500-11 109-0500-18	Main Landing Gear Actuator	
109-0760-37 1-8072	Variable Delivery Pump	
109-0101-06	Main Rotor Damper	
109-0760-52	Accumulator	
106-0760-39	Hydraulic Power Unit	
Aircraft type: BELL & AGUSTA/BELL 206 Series		
Part Numbers	Component	Approved Capability
206-076 4000371 4000397	Rotor Brake	All maintenance in accordance with Bell Helicopter and OEM Manuals and Bulletins
41103650 41103750 206-076-031 42C42641 42C42642 206-076-062	Actuator	
206-076-022	Pump & Reservoir	

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RATING: C12 HYDRAULIC		Issue: 6	Rev: 2
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Aircraft type: BELL & AGUSTA/BELL 212/412		
Part Numbers	Component	Approved Capability
212-076-006	Int Valve/Filter Assembly	All maintenance in accordance with TC Holder and OEM Manuals and Bulletins
212-076-005 212-076-004	Cylinder Assembly	
212-076-007	Accumulator Assembly	
41001140 1055000 1055100	Electro Hyd Servo Actuator	
40055000	EHSA Vel Limiter	
212-076-015	Check Valve	
204-010-937	Damper Assembly	
204-076-036	Master Cylinder – Rotor Brake	
9450103	Brake Assembly	
Aircraft type: BELL 407		
Part Numbers	Component	Approved Capability
206-340-301 407-340-302 407-540-302	Rotor Brake Calliper	All maintenance in accordance with TC Holder and OEM Manuals and Bulletins
206-076-062	Servo Actuator	
206-076-	Master Cylinder – Rotor Brake	
Aircraft type: BELL 429		
Part Numbers	Component	Approved Capability
206-076-047-101	Rotor Brake Cylinder Assembly	All maintenance in accordance with TC Holder and OEM Manuals and Bulletins

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RATING: C14 LANDING GEAR		Issue: 6	Rev: 3
		Date: 05/02/2017	

Aircraft type: AGUSTA 109 Series		
Part Numbers	Component	Approved Capability
109-0512-	Landing Gear Uplock	Capability restricted to Inspection, Seal Changes and Repairs as defined in Agusta Maintenance Manuals and Bulletins
109-0500-12- 109-0501-28-	Nose Landing Gear Strut (109A/AII/C)	
109-0500-13- 109-0502-53- 109-0502-86-	Main Landing Gear Strut (109A/AII/C)	
109-0500-14	Wheel Brakes	
109-0512-43	Selector Valve Assembly	
1-3582	Nose Gear Centring Lock	
Aircraft type: BELL & AGUSTA/BELL 206 Series		
Part Numbers	Component	Approved Capability
All	Low Skid Gear Assembly High Skid Gear Assembly Emergency Float Gear Assembly	All maintenance as defined in OEM Maintenance & Overhaul Manuals, Service Instructions and Bulletins
Aircraft type: BELL 407		
Part Numbers	Component	Approved Capability
All	Low Skid Gear Assembly High Skid Gear Assembly Emergency Float Gear Assembly	All maintenance as defined in OEM Maintenance & Overhaul Manuals, Service Instructions and Bulletins
Aircraft type: BELL & AgustaBell 212/412		
Part Numbers	Component	Approved Capability
D212-664-All D412-664-All	Landing Gear Crosstubes (Dart)	All maintenance as defined in OEM's Instructions for Continuing Airworthiness
212-320-All 412-320-All	Landing Gear Crosstubes (Aeronautical Accessories)	All maintenance as defined in OEM's Instructions for Continuing Airworthiness

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RATING: C20 STRUCTURAL		Issue: 6	Rev: 0
		Date: 16/10/2013	

Aircraft type: BELL & AGUSTA/BELL 206 Series		
Part Numbers	Component	Approved Capability
206-031-001 206-033-002	Fuselage Assembly	All maintenance as defined in Bell Helicopter Maintenance Manuals and Bell 206 Series Structural Repair Manual (SRM) – provided such work can be accomplished without the use of an Approved Repair Fixture as indicated in the SRM
206-031-004	Tailboom Assembly	
206-020-119	Stabilizer Assembly	
206-020-113	Fin Assembly	

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RATING: D1 NON-DESTRUCTIVE TESTING		Issue: 6	Rev: 1
		Date: 09/10/2014	

Inspection Type	Limitation
Magnetic Particle Inspection Fluorescent Penetrant Inspection	CAP 747 GR No. 23 – NDT techniques, procedures and instructions, published and specified by the Type Certificate Holder in NDT Manuals, Service Bulletins and Approved Repair Drawings; NDT Instructions prepared by a Level 2 Holder and approved by a Level 3 Holder qualified in the applicable method.