

UK & Ireland HEMS & Air Ambulance Operations Summary

Aircraft Registration	Aircraft Type	Based At	Maintained By <i>Also AOC holder & pilotage unless otherwise stated</i>	ATC Radio Call Sign
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Children's

G-PICU	Leonardo AW169	Oxford Airport	Specialist Aviation Services	Helimed 80
G-TCAA	Leonardo AW169	Doncaster Sheffield Airport	Specialist Aviation Services	Helimed 81

Cornwall

G-CIOS	MD902 Explorer	Newquay Airport	Specialist Aviation Services	Helimed 01
G-CNWL	MD902 Explorer	Newquay Airport	Specialist Aviation Services	

Only one aircraft operates each day. Both aircraft hangared Newquay Airport

Derbyshire, Leicestershire & Rutland

G-TAAS	AgustaWestland AW109SP G.New	East Midlands Airport	Sloane Helicopters	Helimed 54
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Devon

G-DAAN	Eurocopter EC135P2+	Exeter Airport	Airbus Helicopters UK	Helimed 70
G-DVAA	Eurocopter EC135T2+	Eaglescott Airfield	Airbus Helicopters UK	Helimed 71

Charity holds own Air Operator Certificate (AOC #2421; Devon Air Ambulance Trading Company Ltd) & directly employs own pilots

Dorset & Somerset

G-DSAA	Leonardo AW169	Henstridge Airfield	Specialist Aviation Services	Helimed 10
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East Anglian

G-RESU	Airbus Helicopters H145	Norwich Airport	Babcock MCS Onshore	Helimed 85
G-HEMC	Airbus Helicopters H145	Cambridge Airport	Babcock MCS Onshore	Helimed 88

Essex & Herts

G-EHEM	MD902 Explorer	Earls Colne Airfield	Specialist Aviation Services	Helimed 07
G-HHEM	Leonardo AW169	North Weald Airfield	Specialist Aviation Services	Helimed 55

Great North

G-NHAA	Aerospatiale AS365N2 Dauphin	Durham Tees Valley Airport	Multiflight	Helimed 63
G-NHAB	Aerospatiale AS365N2 Dauphin	Langwathby (Frank Bird)	Multiflight	Helimed 58
G-NHAC	Eurocopter AS365N2 Dauphin	DTV / Langwathby	Multiflight	Helimed xx

G-NHAC covers Helimed 58 & 63 (un)scheduled maintenance & hours-based aircraft rotation as required

Great Western

G-GWAC	Eurocopter EC135T2+	Almondsbury	Babcock MCS Onshore	Helimed 65
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Hampshire & Isle of Wight

G-HIOW	Airbus Helicopters H135 (T3)	Thruxton Circuit	Babcock MCS Onshore	Helimed 56
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Irish Air Corps Emergency Aeromedical Service

274-279	AgustaWestland AW139	Custume Barracks, Athlone	Irish Air Corps	Air Corps 112
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Online AW139 selected from six possible IAC airframes

Irish Community Rapid Response

G-SHLE	Agusta A109E Power	Rathcoole Aerodrome, Co Cork	Sloane Helicopters	Helimed 92
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Kent, Surrey & Sussex

G-KSST	AgustaWestland AW169	Redhill Aerodrome	Specialist Aviation Services	Helimed 21
G-KSSC	Leonardo AW169	Redhill Aerodrome	Specialist Aviation Services	Helimed 60
G-KSSA	MD902 Explorer	Redhill Aerodrome	Specialist Aviation Services	Helimed xx

Both online aircraft also have use of the Rochester Airport charity HQ Forward Operating Base.

G-KSSA is based at Redhill, providing a spare airframe as required. AW169s can swap between HLE21 & HLE60

Lincolnshire & Nottinghamshire

G-LNAC	Leonardo AW169	RAF Waddington	Specialist Aviation Services	Helimed 29
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London

G-EHMS	MD902 Explorer	Royal London Hospital	Specialist Aviation Services	Helimed 27
G-LNDN	MD902 Explorer	Royal London Hospital	Specialist Aviation Services	

Only one aircraft operates each day. Both aircraft hangared RAF Northolt. Second call sign Helimed 28 if required. Charity holds own Air Operator Certificate (AOC #1318; London's Air Ambulance Ltd) & directly employs own pilots

Magpas

G-MGPS	Leonardo AW169	RAF Wyton	Specialist Aviation Services	Helimed 66
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Midlands

G-RMAA	Airbus Helicopters H145	RAF Cosford	Babcock MCS Onshore	Helimed 03
G-OMAA	Eurocopter EC135T2e	Strensham M5 N.bound	Babcock MCS Onshore	Helimed 06
G-HWAA	Eurocopter EC135T2	Tatenhill Airfield	Babcock MCS Onshore	Helimed 09

North West

G-NWAA	Eurocopter EC135T2	Blackpool Airport	Babcock MCS Onshore	Helimed 08
G-NWEM	Eurocopter EC135T2	Barton Aerodrome	Babcock MCS Onshore	Helimed 72
G-NWAE	Eurocopter EC135T2	Barton Aerodrome	Babcock MCS Onshore	Helimed 75

Northern Ireland

G-NHEM	Eurocopter EC135T2	Maze Long Kesh	Babcock MCS Onshore	Helimed 23
G-NIHM	Eurocopter EC135T2+	Maze Long Kesh	Babcock MCS Onshore	

Only one aircraft operates each day. Offline aircraft hangared Enniskillen Airport

Scotland (Charity)

G-SCAA	Eurocopter EC135T2+	Perth Airport (Scone)	Babcock MCS Onshore	Helimed 76
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Scotland (Scottish Ambulance Service)

G-SASN	Airbus Helicopters H145	Inverness Airport	Babcock MCS Onshore	Helimed 02
G-SASS	Airbus Helicopters H145	Glasgow Airport	Babcock MCS Onshore	Helimed 05
G-SASD	Beech King Air 200C	Glasgow Airport	Gama Aviation	Gama xxx
G-SASC	Beech King Air 200C	Aberdeen Airport	Gama Aviation	Gama xxx

Thames Valley

G-TVAL	Airbus Helicopters H135 (T3)	RAF Benson	Babcock MCS Onshore	Helimed 24
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Wales

G-WENU	Airbus Helicopters H145	Dafen, Llanelli	Babcock MCS Onshore	Helimed 57
G-WOBR	Airbus Helicopters H145	Welshpool Airport	Babcock MCS Onshore	Helimed 59
G-WROL	Airbus Helicopters H145	Caernarfon Airport	Babcock MCS Onshore	Helimed 61
G-WASC	Eurocopter EC135T2e	Cardiff Heliport	Babcock MCS Onshore	Helimed 67

Warwickshire & Northamptonshire

G-HEMZ	Agusta A109S Grand	Coventry Airport	Sloane Helicopters	Helimed 53
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Wiltshire

G-KSSH	MD902 Explorer	Semington, Melksham	Specialist Aviation Services	Helimed 22
G-WLTS	Bell 429	Semington, Melksham	TBC - aircraft offline	Helimed 22

Charity directly employs own pilots and seeks to obtain own AOC in the near future.

Jan 19: Heli Charter (B429 AOC holder & maintenance) into voluntary liquidation; SAS MD902 to op. for foreseeable as of 11/01

Yorkshire

G-YAAC	Airbus Helicopters H145	Nostell Priory	Airbus Helicopters UK	Helimed 98
G-YOAA	Airbus Helicopters H145	RAF Topcliffe	Airbus Helicopters UK	Helimed 99

Charity holds own Air Operator Certificate (AOC #2398; Yorkshire Air Ambulance Ltd) & directly employs own pilots

Total: 43 operational aircraft

EC(H)135	H145	AW169	MD902	A(W)109	AS365	B200C	B429	AW139
13	10	7	5	3	2	2	0*	1

47 inclusive of 2nd Cornwall & London MD902s, 2nd Northern Ireland EC135 & 3rd Great North AS365.
*Wiltshire B429 replaced by MD902 'for the foreseeable future'

Appendices

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New Aircraft 2019-2020	Spare Aircraft	Aircraft Ownership	Aircraft Pilotage	New Airbases	Prospective Operators	Named Aircraft

New Aircraft Entering Service 2019-2020

Operation	Aircraft Type	Registration	Base(s)	Operational Expected date	Replacing Airframe(s)
Great North Air Ambulance	AS365N3 Dauphin	G-NHAD	TBC	Mid/Late 2019	TBC

Notes: G-NHAD registered to GNAAS 5th March 2019, formerly G-CIUC/HS-LCF/G-SSKP. As per the existing AS365N2 aircraft, it will be operated and maintained by Multiflight.

Scotland's Charity Air Ambulance	TBC	x	Aberdeen Airport	Early 2020	Additional Airframe
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Notes: The second Scotland's Charity Air Ambulance aircraft will use the call sign Helimed 79. No airframe type has yet been publicly confirmed.

Cornwall Air Ambulance	AW169	x	Newquay Airport	April 2020	G-CIOS & G-CNWL 2x MD902
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Notes: AW169 will be owned outright by the charity, and operated by Specialist Aviation Services. 1x AW169 will replace 2x MD902.

Devon Air Ambulance	H145	G-DAAS <i>Predicted UK reg.</i>	Exeter Airport	May 2020	G-DVAA EC135T2+
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Notes: Upon entry into service, EC135P2+ G-DAAN will move to Eaglescott Airfield. EC135T2+ G-DVAA will be sold.

Scotland Scottish Ambulance Service	3x H145	x	Glasgow Airport Inverness Airport	June 2020	G-SASN & G-SASS 2x H145
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Notes: Gama Aviation announced 24/12/18 an order for 3x H145, entering service from June 2020. First aircraft due from Airbus December 2019, 2nd/3rd early 2020. Gama will operate the new H145s directly, replacing Babcock MCS Onshore.

Spare Aircraft

The following airframes operate as spare aircraft, providing continuation of operations when those in the main summary require maintenance, whether scheduled or unscheduled. When not being used as cover, they may also be utilised for operator training.

Onsite airframes, for example the second London MD902, are not included below; these can be found in the main summary above.

Night HEMS refers to the airframe's capability to operate night HEMS missions into and out of ad hoc, unsurveyed landing sites.

Babcock Mission Critical Services (MCS) Onshore			REDHEAD / RHD	
Registration	Manufacturer	Aircraft Type	Colour Scheme	Night HEMS
G-EMAA	Eurocopter	EC135T2	Red/Yellow	No
G-SPHU	Eurocopter	EC135T2+	Yellow	No
G-WASS	Eurocopter	EC135T2+	Red/Green	No
G-HEMN	Eurocopter	EC135T2e	Red/Green	Yes
G-EMSS <i>From mid/late 2019</i>	Airbus Helicopters	H145	Yellow/Black	Yes

Gama Aviation			GAMA / GMA	
Registration	Manufacturer	Aircraft Type	Colour Scheme	
G-GMAE	Beech	B200	White/Blue/Gold	

Sloane Helicopters			SLOANE / SLN	
Registration	Manufacturer	Aircraft Type	Colour Scheme	Night HEMS
G-RSCU	Agusta	A109E Power	White/Blue	No
G-SHLS	Agusta	A109E Power	White/Blue/Red	No

Specialist Aviation Services			SPECIAL / PLC	
Registration	Manufacturer	Aircraft Type	Colour Scheme	Night HEMS
G-HMDX	MD Helicopters	MD902 Explorer	Orange	Yes
G-KSSH	McDonnell Douglas Helicopter Co.	MD902 Explorer	Blue/White	No
G-SASR	MD Helicopters	MD902 Explorer	Green/White	Yes
G-SASX <i>From mid/late 2019</i>	Leonardo	AW169	Green/White	Yes

Aircraft Ownership

Traditionally, the majority of UK HEMS aircraft have been leased, with the aircraft operator providing all aviation-related particulars. However, a growing number of charities have taken the decision to move away from this model of operation.

Below are the charities which either outright own all or part of their respective fleets, or where indicated have elected to invest 50% of an airframe's initial purchase price as part of their contract.

Charity	Registration	Aircraft Type	Operated By AOC Holder
Air Ambulance Kent, Surrey & Sussex <i>50% airframe investment (both aircraft)</i>	G-KSSC	AW169	Specialist Aviation Services
	G-KSST	AW169	
Cornwall Air Ambulance <i>AW169 will be owned outright by the charity</i>	TBC <i>From 2020</i>	AW169	Specialist Aviation Services
Devon Air Ambulance <i>G-DVAA to be sold after G-DAAS commences operations</i>	G-DAAN	EC135P2+	Devon Air Ambulance Trading Company Ltd
	G-DVAA	EC135T2+	
	G-DAAS <i>From 2020</i>	H145	
Dorset & Somerset Air Ambulance <i>50% airframe investment</i>	G-DSAA	AW169	Specialist Aviation Services
Essex & Herts Air Ambulance	G-HHEM	AW169	Specialist Aviation Services
Great North Air Ambulance <i>Charity also owns fuselage of former AS365N2 G-BTEU; utilised for medical crew training</i> <i>G-NHAD registered 5th March 2019; not yet operational</i>	G-NHAA	AS365N2	Multiflight
	G-NHAB	AS365N2	
	G-NHAC	AS365N2	
	G-NHAD	AS365N3	
London's Air Ambulance	G-EHMS	MD902	London's Air Ambulance Ltd
	G-LNDN	MD902	
Midlands Air Ambulance	G-OMAA	EC135T2e	Babcock MCS Onshore
	G-RMAA	H145	
Thames Valley Air Ambulance <i>Transferred to Babcock MCS Onshore under long-term finance lease</i>	G-TVAL	H135 (T3)	Babcock MCS Onshore
Wiltshire Air Ambulance	G-WLTS	B429	TBC - see summary
Yorkshire Air Ambulance	G-YAAC	H145	Yorkshire Air Ambulance Ltd
	G-YOAA	H145	

In addition to aircraft ownership, several charities hold their own AOC, as well as directly employing their own pilots. Further information on these details can be found in the main summary.

Aircraft Pilotage

Most UK & Ireland HEMS aircraft operate single pilot. In this scenario, the front left-hand seat is typically* occupied by a paramedic/practitioner trained as a HEMS technical crew member (TCM). The role of the HEMS TCM includes assisting the commander in areas such as aircraft safety, landing site selection, navigation, refuelling and weather.

NVIS TCM training is also undertaken should the operation utilise it. For example, Dorset & Somerset Air Ambulance operate single pilot NVIS night HEMS until 0200, flying with an extra practitioner dedicated to the front left-hand seat during the hours of darkness.

However, many have moved to two dedicated pilots. Within UK HEMS, London's Air Ambulance have always operated two pilot. Below are those, with flight officially defined as either air ambulance or HEMS, which operate with two pilots.

Where two qualified captains fly together, only one will be the designated pilot in command (PIC).

Operation	Aircraft	Base	Typical Composition (Rank)
Air Ambulance Kent, Surrey & Sussex	Helimed 21 <i>MD902</i>	Redhill Aerodrome	Captain & Co-Pilot
	Helimed 60 <i>AW169 NVIS</i>		Captain & Co-Pilot
Children's Air Ambulance	Helimed 80 <i>AW169</i>	Oxford Airport	Captain & Co-Pilot
	Helimed 81 <i>AW169</i>	Doncaster Sheffield Airport	Captain & Co-Pilot
East Anglian Air Ambulance	Helimed 85 <i>H145 NVIS</i>	Norwich Airport	Captain & Co-Pilot
	Helimed 88 <i>H145 NVIS</i>	Cambridge Airport	Captain & Co-Pilot
Essex & Herts Air Ambulance	Helimed 07 <i>MD902</i>	Earls Colne Airfield	Captain & Co-Pilot
	Helimed 55 <i>AW169</i>	North Weald Airfield	Captain & Co-Pilot
Irish Air Corps <i>Emergency Aeromedical Service</i>	Air Corps 112 <i>AW139</i>	Custume Barracks, Athlone	Commandant/Captain & Lieutenant
Lincolnshire & Nottinghamshire Air Ambulance	Helimed 29 <i>AW169 NVIS</i>	RAF Waddington	Captain & Co-Pilot
London's Air Ambulance	Helimed 27 <i>MD902</i>	Royal London Hospital <i>Hangared RAF Northolt</i>	Captain & Co-Pilot <i>Extended operating hours late March - early September</i> 2x Captain <i>Early September - late March</i>
Scotland <i>Scottish Ambulance Service fixed wing</i>	Gama xxx <i>B200C</i>	Aberdeen Airport	Captain & (Senior) First Officer
	Gama xxx <i>B200C</i>	Glasgow Airport	Captain & (Senior) First Officer
Wales Air Ambulance <i>Transfer aircraft</i>	Helimed 67 <i>EC135T2e</i>	Cardiff Heliport	2x Captain or Captain & Co-Pilot

*Magpas Air Ambulance routinely operate with a dedicated non-medical TCM; both paramedic & doctor fly in the cabin.

New Airbases

Below are the charities which are either evaluating the idea of, preparing for, or have formally submitted a planning application in respect of a new operational airbase. Most continue the trend of bringing together charity staff and airbase on the same site.

Devon Air Ambulance	
Location: TBC	Replacing Airbase: Exeter Airport
DAAT's annual report and accounts, y/e 31st December 2018, states the lease agreement for the current Exeter Airport base (shared with NPAS) is due to finish shortly after the end of the charity's current 2017-2021 strategic plan. An 'initial review' of potential options is in progress, with the charity having visited other HEMS operators to scope/identify 'key requirements for a future home' for the Exeter aircraft.	

East Anglian Air Ambulance	
Location: Norwich Airport (NR6 6EG)	Replacing Airbase: Norwich Airport (Existing)
EAAA intends to enlarge its current hangarage and base at Norwich Airport, combining Norfolk-based charity team and crew of Helimed 85; allowing for expanded 24/7 HEMS operations from 2020.	

Essex & Herts Air Ambulance	
Location: North Weald Airfield (CM16 6HR)	Replacing Airbase: North Weald Airfield (Existing)
Authority: Epping Forest District Council	Planning Status: Submitted (December 2018)
Application (EPF/3431/18) submitted late 2018; new airbase (land between Hangar 7 and current runway 12/30) combining crew of Helimed 55 and Herts' charity team to become operational 'before October 2020' subject to planning approval.	

Great North Air Ambulance	
Location: Urlay Nook (TS16 0QG)	Replacing Airbase: Durham Tees Valley Airport
Authority: Stockton-on-Tees Borough Council	Planning Status: Approved (February 2018)
Application (17/0038/FUL) approved early 2018; combined Helimed 63 operational airbase and charity HQ to be located on former Elementis site, around 2.5 miles east of existing DTVA base. Charity team moved in May 2019; aircraft expected by end of year.	

Lincolnshire & Nottinghamshire Air Ambulance	
Location: A15 Sleaford Rd	Replacing Airbase: RAF Waddington
LNAACT announced 3rd August 2019 they had been awarded £1.8m by the Department of Health & Social Care, which will be put towards the construction of a new charity HQ (currently Bracebridge Heath, to the south of Lincoln) and operational airbase. Subject to planning permission, the new base will utilise 'MOD surplus land' on the A15, close to RAF Waddington.	

New Airbases *continued*

Magpas Air Ambulance	
Location: Alconbury Weald (PE28 4WX)	Replacing Airbase: RAF Wyton
Authority: Huntingdonshire District Council	Planning Status: Submitted (June 2018)
Application (18/01217/FUL) submitted mid 2018; site close to A1(M) & A14 junction will become combined Helimed 66 operational airbase and charity HQ (latter currently Huntingdon) by 'June 2020', subject to planning approval.	

Midlands Air Ambulance	
Location: TBC	Replacing Airbase: RAF Cosford
As per the charity's report and consolidated financial statements, y/e 31st March 2018, MAAC are to undertake a feasibility study over the course of 2018/19 regarding a new combined operational airbase and charity HQ (latter currently Stourbridge). No defined locale at present.	

Scotland's Charity Air Ambulance	
Location: Aberdeen Airport (AB21 7DT)	Replacing Airbase: N/A
SCAA's second aircraft, Helimed 79 (aircraft type TBC) will be based at Aberdeen Airport from early 2020, supplementing the existing SAS & SCAA assets.	

Prospective Operators

Air Rescue Channel Islands	
Aircraft Type: Leonardo AW169	Base: Guernsey Airport
Aircraft Registration: TBC	Expected Operational: Early 2020
<p>Notes: Air Rescue Channel Islands announced 15th August 2019 that they intend to operate an AW169 from early 2020, based at Guernsey Airport. The aircraft will provide inter-island transfers, as well as transfers between the Channel Islands and the UK.</p> <p>AW169 G-SASX, operated by Specialist Aviation Services, will be present at the 2019 Jersey Air Display (12th September; Lower Park) for the public to view and learn more about the proposed operation.</p>	
http://www.air-rescue.org	https://www.facebook.com/airrescueci/

Named Aircraft

Operation	Aircraft	Name and/or Dedication	Location on Aircraft
Children's Air Ambulance	G-PICU <i>AW169</i>	'Alexandra Nicole'	Nose (front right)
Cornwall Air Ambulance	G-CNWL <i>MD902</i>	'Nicko and Emily Milligan Flying Over Cornwall Saving Lives Together'	Above cockpit/below rotor head
Devon Air Ambulance	G-DVAA <i>EC135T2+</i>	'Jennie'	Cowling above cabin windows (both sides)
	<i>Both Devon EC135s G-DAAN & G-DVAA also carry 'Founded by the Ceri Thomas Appeal' on both sides of the lower fuselage</i>		
Dorset & Somerset Air Ambulance	G-DSAA <i>AW169</i>	'Pegasus'	Nose (both sides)
Great North Air Ambulance	G-NHAA <i>AS365N2</i>	'Guardian of the North' 'Dedicated To the Memory of John Toner'	Tail fin (both sides) Fuselage (both sides)
	G-NHAB <i>AS365N2</i>	'Pride of Cumbria' 'Dedicated To the Memory of Dr. Rupert Bennett'	Tail fin (both sides) Fuselage (both sides)
London's Air Ambulance	G-EHMS <i>MD902</i>	'Rowan'	Under captain-side door (front right)
	G-LNDN <i>MD902</i>	'Walter'	Under captain-side door (front right)
Scotland <i>Scottish Ambulance Service</i>	G-SASC <i>B200C</i>	'Paramedic John McCreanor'	Under captain-side window (front left)

See Also

Document	URL
UK HEMS & Air Ambulance Call Signs Summary	http://www.ukemergencyaviation.co.uk/files/UK_Air_Ambulance_Callsigns_Summary.pdf