LEONARDO HELICOPTERS TRAINING ACADEMIES CATALOGUE

LEONARDO

leonardo.com

WELCOME TO LEONARDO HELICOPTERS TRAINING ACADEMY

Safety and professionalism have always been the Leonardo Helicopters' priority. As the AgustaWestland Helicopter Product Original Equipment Manufacturer (OEM), our mission is to provide outstanding flight and maintenance training enabling our customers to achieve the highest level of safety and efficiency in the operation and maintenance of their helicopters. We integrate proven expertise from other similar projects to enhance and tailor the Training Content to the customers' actual needs. The offered training solutions use a combination of tried and tested sub-systems.

Featuring the latest synthetic training devices combined with a comprehensive program of training courses for air crew, rear crew, ground crew and maintainers, the Leonardo Helicopters, acting through its Training Academy, is confident that the proposed approach will provide a reliable and efficient system. The available courses range from basic training for unskilled personnel to specialised training for skilled personnel.

We are a World leader in Rotary Wing Ab-Initio, Type and Role Conversion Training, with over 50 years' experience of delivering high quality training to aircrew and technicians, Leonardo Helicopters has a training capability underpinned by four Training Academies: Sesto Calende in Italy, Yeovil in the UK, Philadelphia in the United States and in Kuala Lumpur, Malaysia.

Leonardo Helicopters is proud to work in partnership with some of the world's leading training and defense companies to deliver effective training solutions deployed around the world. This includes our partnerships with CAE (Canada), Rotorsim (Italy and USA), PWNE (Malaysia) and SAT (Switzerland).

LEONARDO
AW169
07
I-LCIA

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LEONARDO TRAINING ACADEMIES

LEONARDO TRAINING ACADEMY - ITALY

The Leonardo Training Academy 'A. Marchetti' is located in Sesto Calende - Italy, and is considered as a worldwide center of excellence for training. The Academy was officially opened in July 2006 and is located next to Lago Maggiore in Northern Italy, some 60 kilometers from Milan and just south of the Italian Alps that tower over the region. The Leonardo Training Academy is able to support all training needs of our Customers.

The Leonardo Training Academy boasts:

-23 (twenty-three) dedicated classrooms equipped with whiteboards and projectors. Our multimedia solutions allow the utilisation of modular, Computer-Based Training (CBT) and computer aided instruction that can be linked to aircraft Interactive Electronic Technical Publications (IETPs).

-1 (one) Flight Training Device (FTD) Level 3 and 1 (one) Full Flight Simulator (FFS) Level D for the AW109 helicopter series, able to cover several variants of the model through the use of four different cockpits (AW109E, AW109S, AW109N and AW109LUH); 2 (two) FFS Level D for the AW139, 1 (one) FFS Level D for the AW189, 1 (one) FTD for the AW169, and 1(one) FFS Level D for the AW169 .

- A number of Maintenance Training Simulators covering the entire AgustaWestland product line (AW119, AW109 Series, AW139, AW189 and AW169) can be used for practical skills acquisition.

-A number of different training devices, (Distance Learning, Computer Based Training, Virtual Interactive Procedural Training and Virtual Maintenance Trainer) are used to reinforce the training and improve the training experience (for details, please see Paragraph "Other Training Devices" below).

The Leonardo Training Academy is an Authorized Training Organization (ATO) approved by the Italian Authority in accordance with PART-FCL, which offers Theoretical Knowledge and Flying Training for ab-initio and experienced students and a Maintenance Training Organization (MTO) approved by the Italian Civil Aviation Authority in accordance with EASA Part – 147, which offers Basic Training and Maintenance Type Training for the entire AgustaWestland Product Range.

With the experience gained at the Leonardo Training Academy and in order to meet the increasing customers demand for training services close to the place of operation, Leonardo Helicopters has developed a training center network with facilities in the United Kingdom, Malaysia and USA.

LEONARDO TRAINING ACADEMY - UK

In the United Kingdom, the Leonardo Training Academy UK is located in Yeovil, Somerset, approximately 135 miles south-west of London and just 2 hours from Heathrow airport.

In addition to the delivery of courses specifically dedicated to military products (AW101, AW159, Lynx & Sea King) the Training Academy UK provides Instructional Design and Development services to support customers in the design and in the development of tailored training solutions to meet their specific training needs.

LEONARDO TRAINING ACADEMY - USA

In the USA, the new Leonardo Training Academy located in Philadelphia offers mission-specific flight and maintenance training for AW119, AW109 Series, AW139 and AW169 products in a state-of-the-art facility serving but not limited to customers across North, South, and Central America.

At the Leonardo's Training Academy in Philadelphia the following assets are available:
Full Flight Simulators: AW139/AW169
Maintenance Training Bays: AW119/AW139
Virtual–Enhanced Training Devices: AW109/AW139/169
Dedicated flight training supporting AW119Kx and the Th119 models

The range of available devices and courses will be expanded in the near future to cover new types, including the AW609.
The Academy is also an approved Air Transport of Canada facility.
The US Training Academy is approved to deliver training by many different Authorities as FAA, EASA, Transport Canada, ANAC, etc.

LEONARDO TRAINING ACADEMY - MALAYSIA

The Leonardo Training Academy in Kuala Lumpur, Malaysia offers a vast range of technical, logistic and training services for the Leonardo Family AW139/AW169/AW189 and AW119/AW109 helicopters for the benefits of Far East Asia and Australasia operators.
Leonardo Malaysia Academy is part of the Leonardo Helicopters Authorized Training Organization (ATO) and Maintenance Training Organization (MTO) duly recognized by EASA, CAAM, CASA and other National Civil Aviation Authorities.

While the Leonardo Malaysia Academy expects to expand its range of training services, is currently equipped with:

- 5 classrooms that are fully designed to meet international standards for training delivery with capacity of up to 20 students. The classrooms are equipped with Smart boards and projectors for interactive learning and high quality training delivery;
- a Full Flight Simulator (FFS) Level D for AW139 helicopter with upgraded latest software that meets the actual operational effectiveness, versatility and performance of being in a real helicopter (with the partnership of PWN Excellence);
- a Maintenance Trainer Simulator (MTS) for the AW139 helicopter that can be utilized to perform practical elements courses for both airframe and avionics;
- a mock up engine (PWC PT6C-67C) to allow the trainees to familiarize themselves with the power plant and actual maintenance operations;
- a Virtual Interactive Procedural Trainer (VIPT) that will improve training experience with integrated system that replicates the AW139 and AW189 cockpits;
- E-Library and lounge that is equipped with Interactive Electronic Technical Publications (IETP) for AW139, AW189, A109, AW119 and publications related to training and aeronautical subjects.
- A wide range of Training Services for AW139, AW169 and AW189 for Pilots and Engineers

SATELLITE CENTRES

With the partnership of PWN Malaysia, the Leonardo Training Academy is able to offer synthetic training on the AW139 model with the utilization of a FFS Level D located in Shah Alam (Malaysia) and in Europe with the partnership of Lufthansa Aviation Training (LAT), the Leonardo Training Academy is able to offer synthetic training on the AW109SP model with the utilization of a FFS Level B/FTD Level 3 located in Zurich (Switzerland).

All the facilities around the world have been recognised as Satellite Centers of the Leonardo Training Academy Italy and guarantee the same standards and practices, teaching methods and instructional materials as our major training hub.

LEONARDO
Power Plant
AW189
AW189
ROTORCRAFT FLIGHT MANUAL

AW LIVE TRAINING

In order to face unprecedented challenges Leonardo Training Academy has invested in a secure and safer tomorrow, creating a new Learning Platform: AW Live Training.
This is an innovative and interactive tool, that allows students to learn anytime and anywhere, following the Ground Section of all courses live.

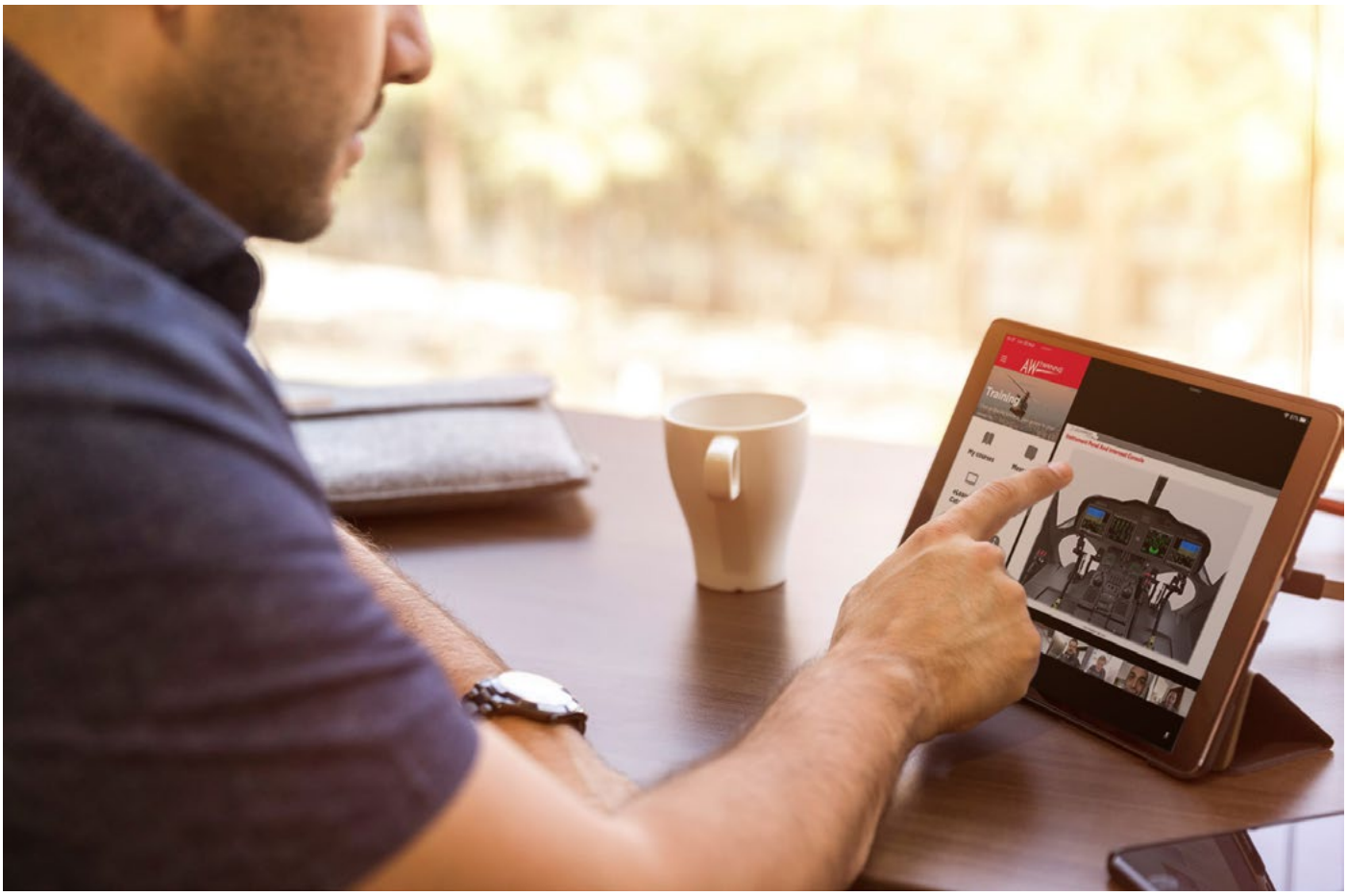
AW Live Training, has been designated to provide the opportunity to:

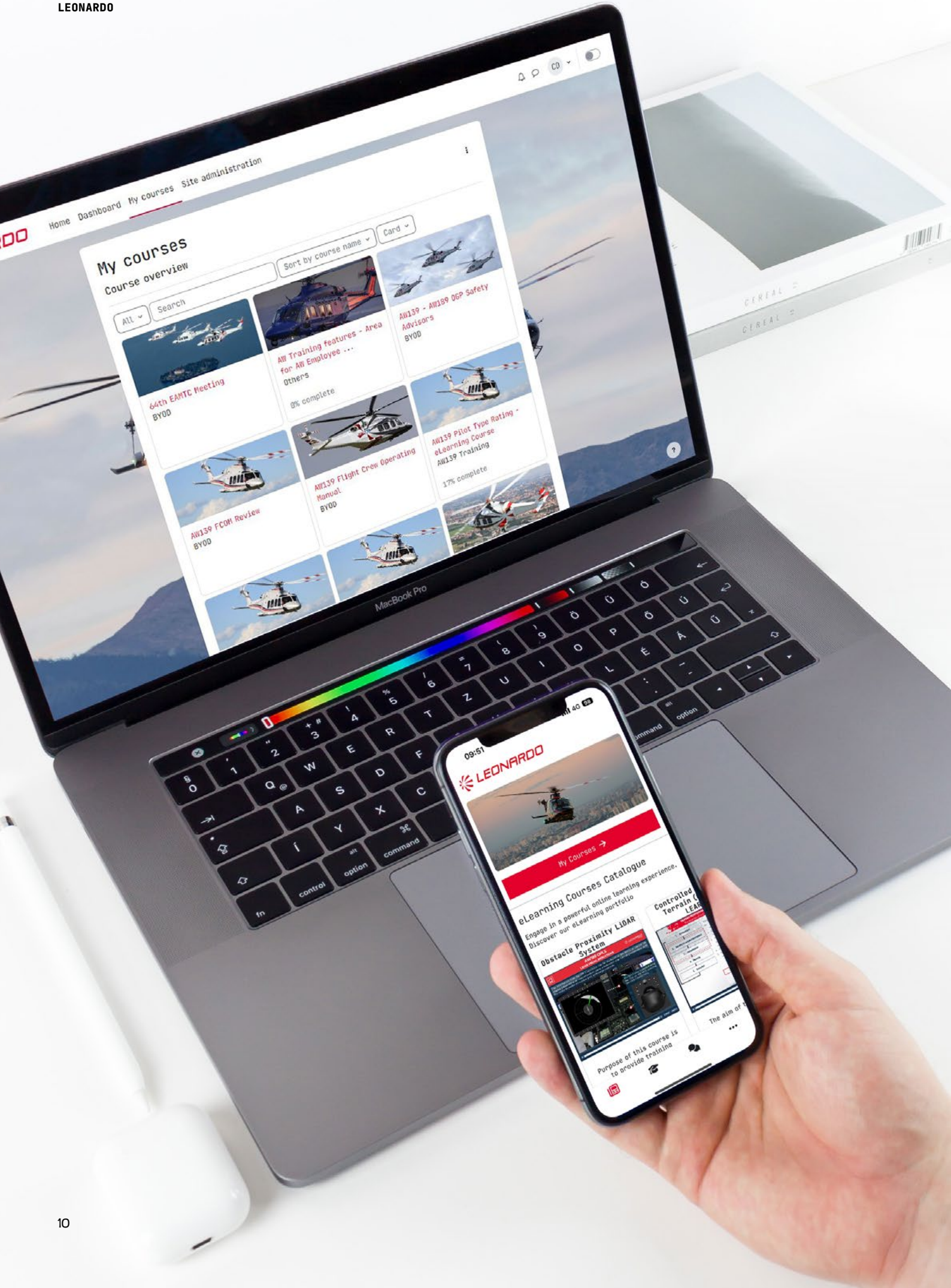
- Join live, instructor–led training sessions,
- Benefit from real-time interaction
- Practice through collaborative exercises
- Experience peer and instructor collaboration, from the comfort of student's own space

This is an all-in-one platform whose core design is based on the simplicity of a user-friendly interface.

All the functionalities below stated can be delivered through the means of a web browser or, alternatively, they have been integrated in the " **AWTraining** App":

- Download Training Contents
- Start the live learning Journey
- Explore the learning dashboard
- Practice what you learned




Home Dashboard My courses Site administration
My courses
Course overview
Sort by course name
Card
All
Search
64th EAMTC Meeting
BYOD
AW Training Features - Area for AW Employee ...
Others
0% complete
AW139 - AW189 OGP Safety Advisors
BYOD
AW139 FCOM Review
BYOD
AW139 Flight Crew Operating Manual
BYOD
AW139 Pilot Type Rating - eLearning Course
AW139 Training
17% complete
MacBook Pro
LEONARDO
My Courses
eLearning Courses Catalogue
Engage in a powerful online learning experience.
Discover our eLearning portfolio
Obstacle Proximity LIDAR System
Purpose of this course is to provide training

E-LEARNING

To support our courses, Leonardo Helicopters Training Academies utilise state of the art training aids such as:

- E-Learning, (self based study) adapted for any desktop and portable devices, can be reached by using any web browser or the "**AWTraining**" App (for details see Paragraph "APPS" here below). Students can take advantage of e-Learning training 24 hours a day, 7 days a week.

Furthermore Instructor support is also available depending on the selected training course. The e-Learning course portfolio encompasses a wide range of training courses, from basic aeronautical concepts to Type Training subjects, including optional equipment and helicopter features.

For those Students enrolled into a Type Training Course, completing the applicable e-Learning Type Training modules prior to entering the classroom provides them with a sound understanding of the basic information.

This enables the time spent in the classroom to be focused on the more advanced subjects, thereby maximizing the benefits of the direct interaction with the instructors and the usage of advanced training aids.

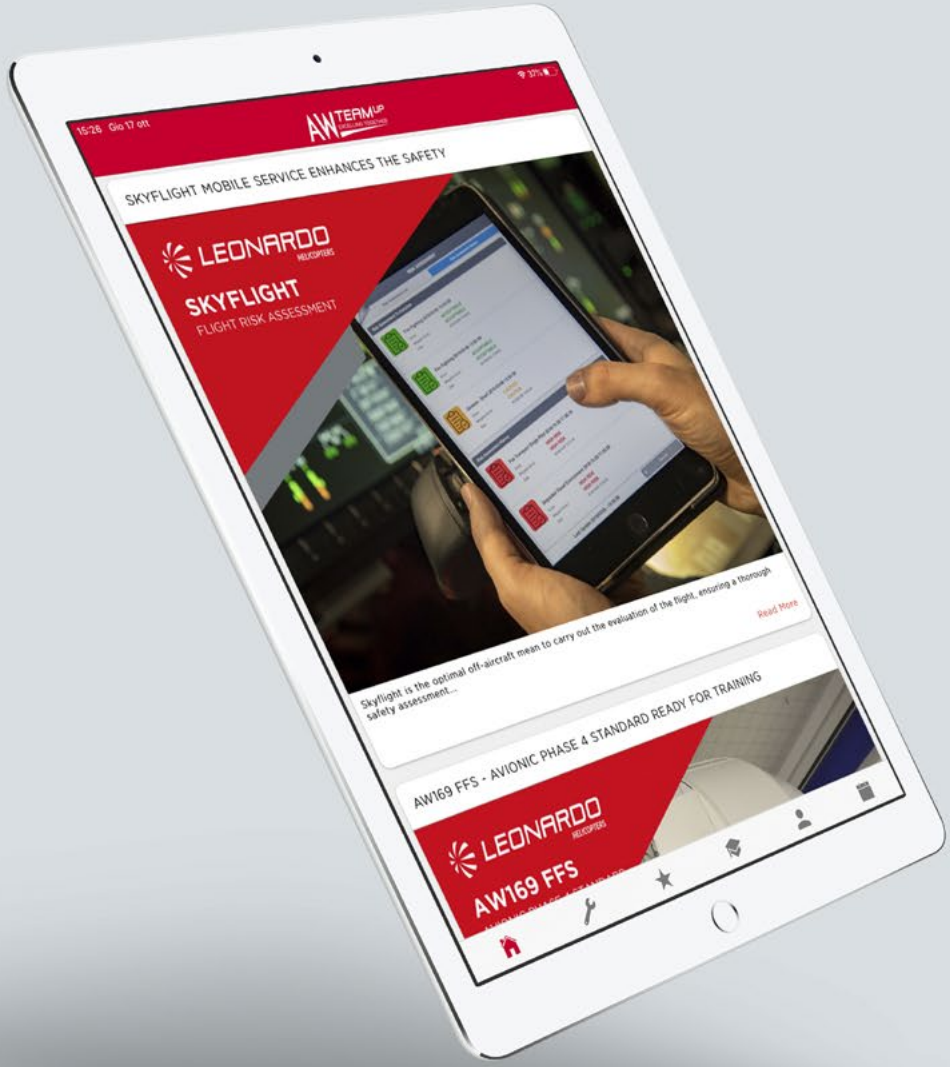
The list of the courses available is constantly growing, here below some examples:

- Controlled Flight Into Terrain (CFIT)
- AW109SP Phase 8 Software Update
- AW Family MDS/HUMS AVDM Training Course
- AW139 MDS/HUMS Basic Training Course
- AW139 Helicopter Terrain Awareness and Warning System (HTAWS)
- AW139 Primus EPIC® Phase 7
- AW139 Full Ice Protection System (FIPS)
- AW139 SAR Mode
- AW169 MDS/HUMS Basic Training
- AW169 Phase 4 Software Update
- AW169 Phase 6 Software Update
- AW169 Phase 7 Software Update
- AW169 Phase 8 Software Update
- AW169 Cabin Management System e-Learning Briefing
- AW189 MDS/HUMS Basic Training Course
- AW189 Phase 4 Software Update
- AW189 Phase 5 Software Update
- AW189 Phase 6 Software Update
- Obstacle Proximity LiDAR System

Full list and information here: **https://awtraining.leonardo.com/local/staticpage/view.php?page=AW_eLearningArea**

-**Distance Learning** (for AW139, AW169 and AW189 pilot courses) which covers the basic configuration of the helicopter. Our students can access advanced multimedia technology from their own facilities and arrive at the Training Academy with a good general knowledge of the aircraft model they will be trained on.

For AW139, 169 and AW189 Type Rating Ground Courses, the Distance Learning website will be automatically available one month before the scheduled classroom phase via our website in My Training Section / My Distance Learning (for further details, please see Paragraph "Leonardo Helicopters Account" here below).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AW TEAMUP
SKYFLIGHT MOBILE SERVICE ENHANCES THE SAFETY
LEONARDO
SKYFLIGHT
FLIGHT RISK ASSESSMENT
Skyflight is the optimal off-aircraft mean to carry out the evaluation of the flight, ensuring a thorough safety assessment...
Read More
AW169 FFS - AVIONIC PHASE 4 STANDARD READY FOR TRAINING
LEONARDO
AW169 FFS

APPS

Leonardo Helicopters is committed to continuously support our customer teams, aircrews and ground crews, in accomplishing their helicopter missions. Moreover, considering the growing impact of the digital lessons, two apps are now available to support E-learning, AW Live Training and to serve the scope mentioned above.

AWTraining Mobile App, which allows students to access the Helicopter Training Course information through their own devices (iOS, Android). This App enhance the customers' learning experience before they even reach the Training Academy classroom. All training notes and files stored during the training will to be accessible anywhere, and at any time, on personal devices.

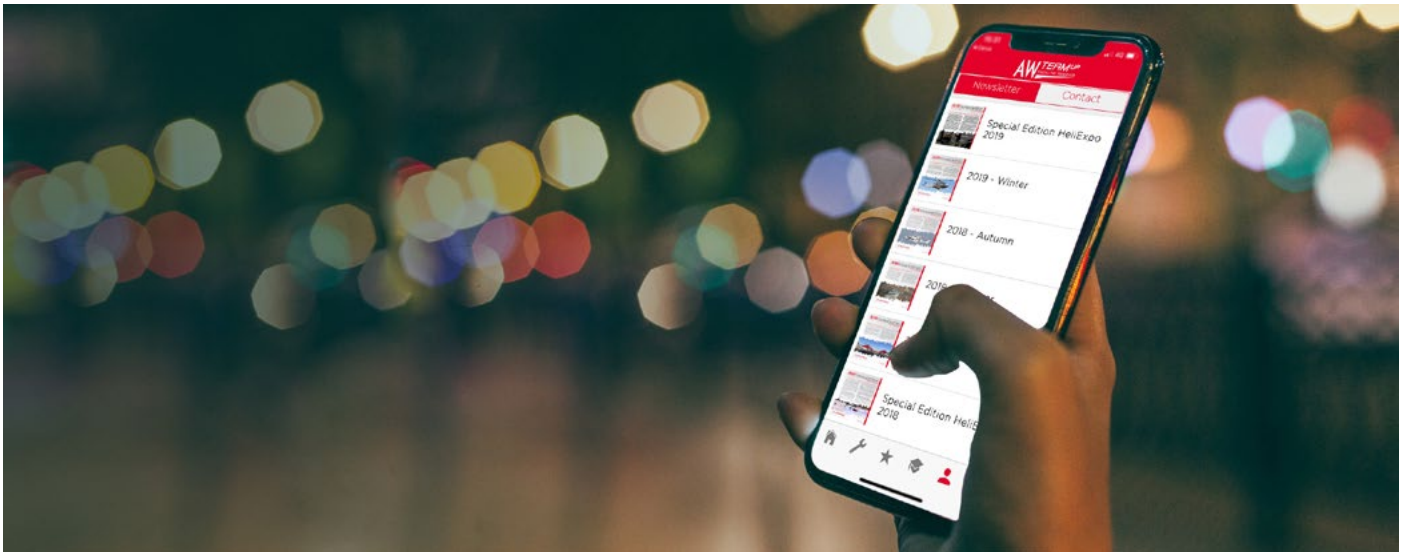
The features offered by **AWTraining** are as follows:

- Multi-language (up to 23 languages available)
- Quick access, download and view course resources
- e-Learning Modules, which allow the students to perform the e-Learning Course through the App, on and off-line
- View calendar events
- Upload file (audio, pictures, photo, video, etc.) into private file area
- Send messages to other course participants
- Browse and download your private course files
- View and reply to forum discussions
- Receive information from instructors (e.g. slides with notes)
- Have access to AW Live Training and to all the functionalities provided by this platform

AWTeamUp , the new CS&T (Customer Support and Training) App which provides real time access to the CS&T world, giving direct link to our services, contacts, latest news and achievements.

The benefits offered by AWTraining are as follows:

- Find out and get in touch with CS&T people, explore CS&T capabilities and facilities navigating our interactive map.
- Know more about our Support and Training Services, book your training course and create your own private area logging into our portals.
- Enter our CS&T newsletter archive, download the latest edition and always be updated on Leonardo news and achievements.
- Stay connected through the Push Notification service which provides content update for Training (new courses, features and approvals) and Support (service and fleet event critical updates).



AW139 6800kg
Search...
Cargo Weight
Equipments
Fuel
LIFE_RAFT
RESCUE HOIST
KIT CARGO HOOK
CARGO HOOK
Custom 1
Interseat console long mobile rack
Weight: 182 kg
Sta: 9 mm
Bl: 1098 mm

OTHER SERVICES

Leonardo Helicopters is continually reviewing its services and technologies with the goal to maximize their value and to support Customer needs along all the phases involved in a mission:

Skyflight Mobile Service is the flight planning service that enhances the flying experience while operating with AgustaWestland products. In particular, it supports AW189, AW169, AW139 and AW109. SkyFlight Mobile supports the flight crew in the preparation of the mission by providing a set of functionalities mostly aimed at flight planning and feasibility analysis to ensure the safety of the flight.

Skyflight enables evaluating on the ground all the aspects of the mission, guaranteeing thorough safety assessment and increasing the mission's effectiveness. In particular, the system will be able to take into account route constraints while remaining consistent with the performance of the helicopter.

SkyFlight Mobile strength is related to the Weight and Balance, Performance Evaluation and CAT A Procedures. In detail, SkyFlight Mobile manages the weight and Centre of Gravity for each helicopter of the fleet, compute simplified and specific performance calculation, and statically calculate and view all the CAT A key data in a single comprehensive view.

It has been designed and developed entirely by the Helicopters Division of Leonardo, by leveraging on its knowledge, experience and supported by the information compliant with the Rotorcraft Flight Manual.
The integration between the LH digital services guarantees direct access to HeRMeS and Amerigo4Flight and it ensures continuity with the Skyflight Mission Planning system, for a homogeneous operational flow.
Its services and technologies are continuously updated in order to maximize the value and to enhance the Customer experience.

The AW Skyflight app is a free download from the Apple App Store. A subscription is required to use the app and to access to Skyflight.

For further information about our Skyflight Service please contact us at: skyflight.support@leonardocompany.com

The Digital Maps Service enables the Customer to tailor maps and aeronautical information on the onboard Digital Map Generator (DMG) of the AW189 and AW169. The worldwide Digital Maps are developed by LHD and are designed to improve the pilot's flight experience, using the same layout and format for all resolutions, all over the world.
The information shown on the DMG, can be defined choosing the type of map (i.e. scale resolution, aeronautical information, obstacles, etc.) and adapting this with many advanced settings. All the Digital Maps are selectable as a "layer" on the on-board DMG, showing simultaneously up to 3 layers on the screen, to create "combined views" in support of specific needs.

The Customer can subscribe to different levels of service, in terms of type of maps and update frequency (one delivery for a year up to AIRAC CYCLE), with a specific area in high quality/resolution from 1: 5.000.000 till 1:25.000 of scale.

AW139
AW189
AgustaWestland Products

OTHER TRAINING DEVICES

I-Virtual Interactive Procedural Trainers (VIPT), a cockpit trainer for the AW109SP, AW139, AW169 and AW189 models. At Leonardo Training Academy located at Philadelphia a VIPT for the AW119Kx IFR is available. These devices employ advanced graphical visualization techniques to simulate the helicopter cockpit in a virtual environment, where flight deck controls, equipment, systems and components are faithfully reproduced using graphics and touch screen technology.

The VIPT is a powerful, cost effective, familiarisation training tool in which pilots learn normal and emergency procedures through practical application. The system enables trainees to rapidly and efficiently familiarise themselves with cockpit controls and avionics, developing procedural proficiency in a highly cost effective manner.

Virtual Maintenance Trainers (VMT) for the AW139/AW169/AW189 models have been designed to support maintenance technicians in obtaining the knowledge and skills required to maintain the helicopter through the correct application of maintenance procedures and in the troubleshooting analysis task to correctly diagnose faults.

MITHOS (MODULAR INTERACTIVE TRAINER FOR HELICOPTER OPERATORS)

Full immersive and interactive operational training for Hoist Operators, Pilots, Rescuemen and Medical Operators. The best gateway to maximize your training, enhance safety and mission effectiveness.

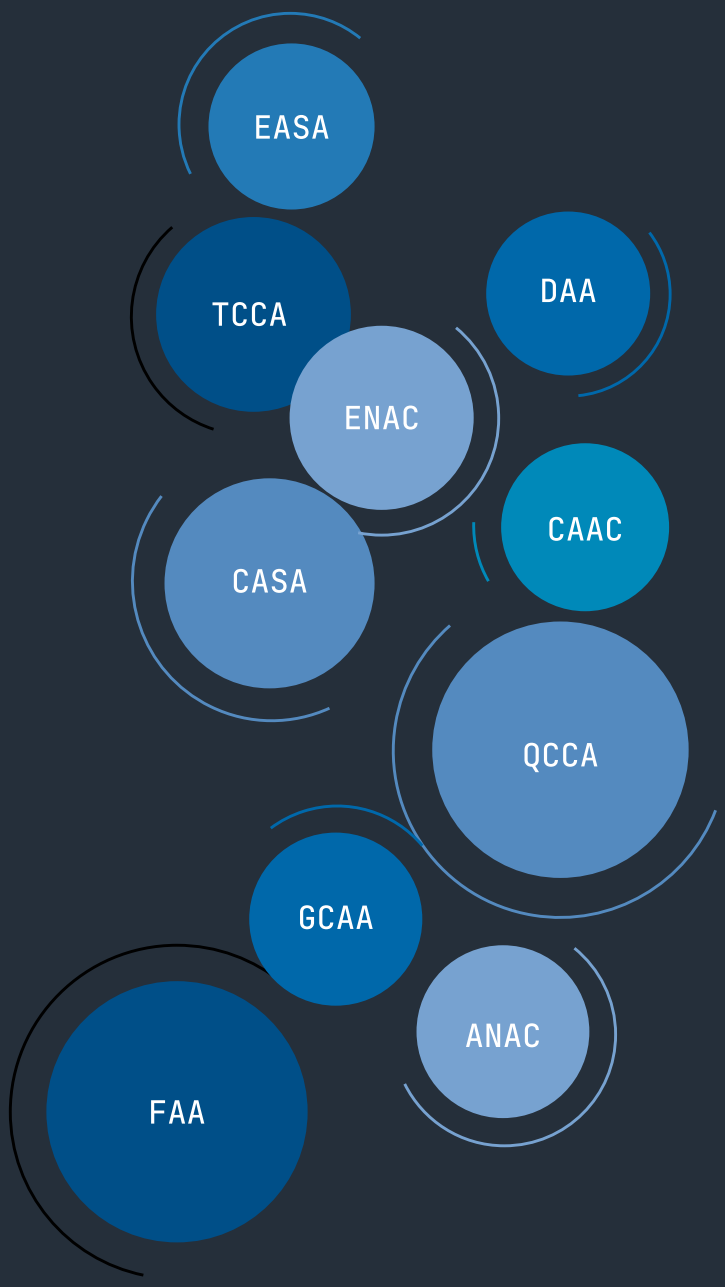
The cabin environment is reproduced through virtual reality on a real **AW helicopter** cabin mock-up promoting Type Cabin Familiarization & Orientation for the Rear Crew.

MITHOS offers training leveraging on the latest state-of-art **virtual** reality, reproduces realistic helicopter hoist operations (Physical hoist cable to reproduce in flight cable attitude and operator actions and Real hoist pendant & Control panels) and all type of rescue scenarios (Offshore & inland, day & night including NVG Wet, deck, wind turbine, cliff, mountain, confined & urban area) in normal & abnormal situations (pendulum, spinning effect and cable entanglement) for Hoist Operators, Rescuers, HHO Passengers as well as Pilots in all weather conditions (Impact of wind, snow, rain and other weather particulars on hoist operation; Impact on mission planning) ensuring a realistic, effective and eco-friendly training.

Simulation of all hoist and helicopter system malfunctions and Emergency and OEI management are also part of the training.

By creating an Interlink with VIPT/FTD/FFS, MITHOS will introduce Full crew training concept where pilot and hoist operator are trained together increasing: crew coordination, efficiency in decision making and situational awareness in the crew. MITHOS intacts an electric hoist fitted on a helicopter cabin mock-up for Basic training tower where Hoist operator and HEC trained together for basic safety procedures developing their coordination and communication.

Certifications Training Academy "A.Marchetti"



CERTIFICATIONS

The Leonardo Training Academy Italy is an Approved Training Organisation (ATO) in accordance with EASA Part–ORA and an EASA Part-147 Maintenance Training Organization (MTO) certified by ENAC - Ente Nazionale Aviazione Civile (Italian Civil Aviation Authority - ICAA).

Training Centre approved by the U.S. Federal Aviation Administration (FAA) in accordance with FAA CFR PART 142, the Leonardo Training Academy offers FAA Type Rating and Recurrent training on the Full Flight Simulators in Italy and in the USA.
Leonardo Training Academy ATO and MTO hold approximately fifteen National Civil Aviation Authorities approvals from different Countries.

Major Leonardo Training Academy Certifications include:

Approved Training Organisation – ATO

- United States – Federal Aviation Administration (FAA)
- Russian Federation – Federal Air Transport Agency (FATA) – Rosaviatsiya

Maintenance Training Organisation – MTO

- Canada – Transport Canada Civil Aviation (TCCA)
- Australia – Civil Aviation Safety Authority (CASA)
- China – Civil Aviation Administration of China (CAAC)

For further details you can find and download all the Leonardo Training Academy certifications related to training and to all the synthetic Training Devices available worldwide, on the Leonardo Helicopters web site via the following link:

https://helicopters.leonardo.com/it/services/training-and-simulation/training-center-academy/academy-italy

ThinkCustomer

ADDITIONAL SERVICES

LANGUAGE AND INTERPRETER SERVICES

All of our courses are delivered in English and they are based on existing commercial courses. On the first day of training, each student is provided with specific training notes and/or hand-outs for his/her retention and all the Training Material used during the training courses (Training Manuals, Presentations, etc) are in English.

However, in order to ensure an efficient training experience, in all our training facilities a translation service from English is available on request. Furthermore, Leonardo Training Academy supports the ability to bring a translator; provided that the requirements established by Leonardo Training Academy in terms of experience and qualification are satisfied.

If you need to be assisted by a translator/interpreter, feel free to ask us, giving advance notice as early as possible within the booking process.

HOSPITALITY SERVICES

Before arrival at the Leonardo Training Academy you can contact the Training Academy Hospitality personnel to get information about how to reach the Training Academy and about the accommodation facilities nearby.

On the first day of training, after having received your personal badge and security pass, you will be welcomed at the Training Academy Hospitality Desk, where our staff will inform you on how to find your assigned classroom and will support you for all the logistic aspects during your stay at the Training Academy.

We clearly recognise the value of direct communication between you, the customer, and the business management team at the Leonardo Training Academy. To ensure we have direct, unfiltered conversation, we are able to dedicate some time for students to meet members of the Training Academy's personnel.

During course breaks, feel free to ask our Hospitality Desk's team how to get in contact with Leonardo Training Academy personnel.

How to contact the Training Academy Hospitality Desk:
Hospitality.Training.AW@leonardocompany.com
Tel: + 39 0331 915011

CANTEEN SERVICES

During courses a lunch at the Leonardo Training Academy canteen is provided from 12:00-14:30 each working day at no charge for you. The daily menu includes a wide range of local and international dishes for your enjoyment.

In the case of practical elements of courses, which may be carried out in shifts, the canteen will also be available for dinner.

The training team will provide exact time details during the first day of the training.

CUSTOMER BUSINESS LOUNGE

A Business Lounge has been dedicated to you in order to let you enjoy some free time between lessons, whilst having a coffee break newspapers are always at your disposal and the lounge is also equipped with computers with internet access.

WI-FI

For students attending courses at the Leonardo Training Academy in Sesto Calende (Italy), free Wi-Fi Access will be available for the entire duration of the training courses. Free Wi-Fi Access will be available for online registered participants only (for details, please see Paragraph “Leonardo Helicopters Account” below).

Upon your arrival at the Leonardo Training Academy in Sesto Calende, you will find your access details on the custumer portal.

CHARGING STATION FOR ELECTRIC CARS

Leonardo is committed to researching new solutions to support the sustainable mobility, through the introduction of eco-friendly logic in the company policies.

In order to answer to the growing need of a sustainable driving and, as a consequence, the expansion of the electric cars market, Leonardo has invested in the arrangement of Charging Station.

TRAINING AND BOOKING INFORMATION

In order to receive information about the available training courses and/or to receive commercial proposals related to training delivered at Leonardo Helicopters Training Academies please address your request, depending on your geographical area, to the following email addresses:

Americas:	training.americas.mbx.AW@leonardo.com
Southern Europe	training.sei.mbx.AW@leonardo.com
Italy	training.ita.mbx.AW@leonardo.com
Northern Europe & Australia/NZ	training.nea.mbx.AW@ leonardo.com
East Europe, Russia & Stan Countries	training.ers.mbx.AW@leonardo.com
Africa	training.africa.mbx.AW@leonardo.com
Far East	training.fe.mbx.AW@ leonardo.com
Middle East	training.me.mbx.AW@leonardo.com
Global Oil & Gas Operators	training.go.mbx.AW@leonardo.com
China	training.pac.mbx.AW@ leonardo.com

In order to receive information about the available training courses and/or to receive commercial proposals related to training delivered at the Training Academy in Malaysia, please contact:

Claressa.Stalin@leonardo.com
Tel: + 60 3-78423027

In order to receive information about the available training courses and/or to receive commercial proposals related to training delivered in the UK, please contact:

training.solution@leonardo.com
Tel: +44 (0) 1935 703907

In order to receive information about the available training courses and/or to receive commercial proposals related to training delivered in the USA, please contact:

US_TrainingRequest@leonardo.com
Tel: +1 (215) 2811400

LEONARDO HELICOPTERS ACCOUNT

Excluding complimentary courses which are normally associated with aircraft sales, after contacting one of the Training Academies and having agreed about the training required, the Customer will receive a commercial proposal.

Post acceptance of the commercial proposal the Customer will be asked to complete the on-line registration formalities before arriving at the training facility. Students who have not registered previously will be provided with a web link to create an account on our website **www.leonardo.com.** After creating a personal account, the student will be granted access to a private area, My Training, where they must complete the applicable Bio Data Form (Pilot or Technician). In the same webpage (Student's Profile) it is also requested that a scanned copy of their passport, a passport size photo, their flight/maintenance license and a current medical certificate (for pilots only) are uploaded.

Providing these details along with the completion of the Bio data will enable students' Leonardo Training Academy Identification badge to be ready at student arrival minimizing any need to queue. Should you not be in the position to provide this advance information, a digital picture of the student will be taken on their arrival and passport will be scanned as well, this might take some time on student's arrival, prior to be admitted to the Training Academy. It is important that the Scan Copies, Digital Pictures and Bio data are accurate and ready before the course starts.

For each booked course the student will receive a booking code which must be entered into their reserved area (My Calendar Section) in order to officially enroll onto the course and have a new badge printed at the gate. The original copies of the documents uploaded into his reserved area must always be carried with you when you are at the Training Academy. Please remember your health insurance (if you are not an EU citizen).

For Pilot Training courses, after online registration and booking code assignment, your Training Schedule will be available via the website in the My Calendar Section. Course details will be published six weeks before the session starting date. Should your training schedule change during the six weeks before the session start date, you will be advised promptly.

LEONARDO WEB PORTAL

We are pleased to inform you that is now available on Leonardo Helicopters Customer Support and Training website, Leonardo a section designed with the aim of providing quick and simplified access to our training services.

Leonardo provides you with significant additional benefits including:

- Participants online enrolment for your entire company
- View 'My Courses' where all the training courses your students have registered for will be grouped together
- Access your 'Find Courses' to search the courses you need within our global network with an easy-to-use and instant course finder
- View live time availability for a specific course
- View your training history, including log of actual flight hours and training details
- Crew scheduling to see your entire company training plan in one place
- Review and manage all your contracts and personnel training in one place, including entitlement per contract and follow on orders.

PERSONAL DATA
SURNAME
FIRST NAME(S)
DATE OF BIRTH
CITY OF BIRTH
COUNTRY OF BIRTH
LOCAL PHONE CONTACT
YOUR COMPANY OR ORGANIZATION
ARE YOU ABLE TO UNDERSTAND LESSONS AND INSTRUCTIONS IN ENGLISH?
YOUR IDENTIFICATION DOCUMENT
Type
Number
Issued by
Expire date
ID Card
LICENCES AND RATINGS
LICENCES (HELICOPTER)
P.P.L.
C.P.L.
A.T.P.L.
FAA LICENCE - N°
JAR-FCL LICENCE - N°
NATIONAL LICENCE - N°
ENGLISH ICAO LEVEL 4 (or military equivalent) - VALID UNTIL
CURRENT TYPE RATINGS
EXPIRED TYPE RATINGS
FLIGHT EXPERIENCE
FLIGHT TIME (HOURS)
TOTAL
PIC TOTAL
IFR TIME ONLY (HOURS)
TOT. IFR SINGLE ENGINE
NIGHT TIME ONLY (HOURS)
TOT. IFR TWIN ENGINE
NIGHT VISION GOGGLES (HOURS)
TOTAL
VALID MEDICAL FITNESS CERTIFICATE
Yes
VALID UNTIL
No
1 of 2

VISA PROCEDURE

Obtaining the necessary VISA is the individual student's responsibility. Leonardo Training Academy will support you by sending the invitation letters directly to the relevant Embassy in order to justify your trip to Italy but letters will only be released after having completely confirmed the training and having received all the information needed and the copy of your passport.

PAYMENT INFORMATION

Full payment of the course(s) is required prior to commencement of training.
Generally at the same time of course confirmation, the advanced payment of 100% shall be provided by wire transfer.
Alternatively 100% payment can be made before the start of the course by credit card directly at the Leonardo Training Academy's cash dash (every day from 10:30 to 11:00).
All payments must be in Euro.

CANCELLATION POLICY

The Leonardo Training Academy reserves the right to cancel any course that does not meet minimum enrollment requirements.
Customer will be notified of a cancellation at least 2 weeks prior to the course start date. We recommend that you contact us to verify minimum enrollment prior to purchase of a non-refundable airline ticket.

CLASS ATTENDANCE POLICY

Standard Classroom hours for theoretical training are as specified below:

9:00 am - 4:30 pm, Monday through Friday

Please be informed of the follows:

Practical Elements Courses could be carried out in shifts.

Standard Classroom hours may be slightly different between the Training Academies (e.g. 8:00 am – 3 pm)

Leonardo Training Academy will provide exact time details during the first day of the training.

Simulator training activities take place 7 days a week for about 20 hours a day.

For simulator training, please consider that 1 hour of Classroom Briefing will be performed at the beginning of each Training Session and 1 hour of Debriefing will be performed at the end of the same Training Session.

We kindly ask you to not make airline reservations which may interfere with the completion of the course. Should you miss some class time, please note that you will be responsible for the material covered during your absence.

Course Length vs Allowable Absence

Less than two weeks	None
Two weeks	Half day
Three weeks	1 day

Our facility is approximately 30 minutes from Milan Malpensa Airport. We recommend that the departing airline reservations for a flight are made after 6:00 p.m. on the last day of training.
Training during weeks including Italian bank holidays may be extended to Saturdays.

OFFSITE TRAINING

The Leonardo Training Academy may conduct maintenance technician, pilot ground and flight training at Customer's facility upon request.
It is recommended that requests for offsite training are submitted at least 180 days in advance to coordinate instructor availability.

The Customer must provide necessary training aids (tools, equipment, etc...) and classroom space appropriately sized and equipped to comfortably accommodate the scheduled attendees, and in case of flight training all the necessary clearances or authorisations needed to conduct the training.

TRAINING MATERIAL

All supplies, training materials and tools required for training are provided by the Training Academy on the first day of class, unless otherwise stated. Training materials are not for sale and will not be supplied to any student in advance. The texts for all courses are Training Academy publications, supplemented by the course notebooks designed to follow the instructor's presentation and increase comprehension and retention.

Instructor's demonstrations and shop exercises are conducted on red-marked components, using the appropriate test equipment, where possible. The shop work is designed to permit hands-on practice on maintenance tasks.

LEONARDO
CERTIFICATE OF RECOGNITION
Reference: IT.147.0002.SC16006601A
This Certificate of Recognition is issued to:
Surname Name
Date of Birth: Month Day, Year
Place of Birth: Place, Country
By
Finmeccanica S.p.A. - Helicopter Division
Via Indipendenza, 2 - 21018 Sesto Calende (Va) - Italy
Reference: IT.147.0002
a Maintenance Training Organisation approved to provide training and conduct examinations within its approval schedule and in accordance with Annex IV (Part147) of Regulation (EU) No 1321/2014.
This Certificate confirms that the above named person successfully passed the practical elements of the approved type training course stated below and the related examinations in compliance with Regulation (EC) No 216/2008 of the European Parliament and of the Council and to Commission Regulation (EU) No 1321/2014 for the time being in force.
Agusta AB139/AW139 (PWC PT6)
Airframe Maintenance Type Training Course
(Category B1.3)
(Engine Included)
Course From: Month Day, Year - To: Month Day, Year
Assessment Passed on: Month Day, Year
Practical elements only
For: Finmeccanica S.p.A.
Helicopter Division
Training Manager
Filippo Di Silvestro
EASA Form 149 issue 2
Date: Month Day, Year
Training Academy
"A. Marchetti"
LEONARDO

TRAINING ACADEMY COURSES & CERTIFICATE DISCLAIMER

CERTIFICATES

We are proud that a certificate from the Leonardo Training Academy is recognized around the world as a symbol of the highest quality and excellence in pilot and maintenance training in the helicopter industry.
It is an honor to graduate customers and officially induct them into the AgustaWestland helicopter operating community.
The Certificates issued by the Leonardo Training Academy may be of different types:

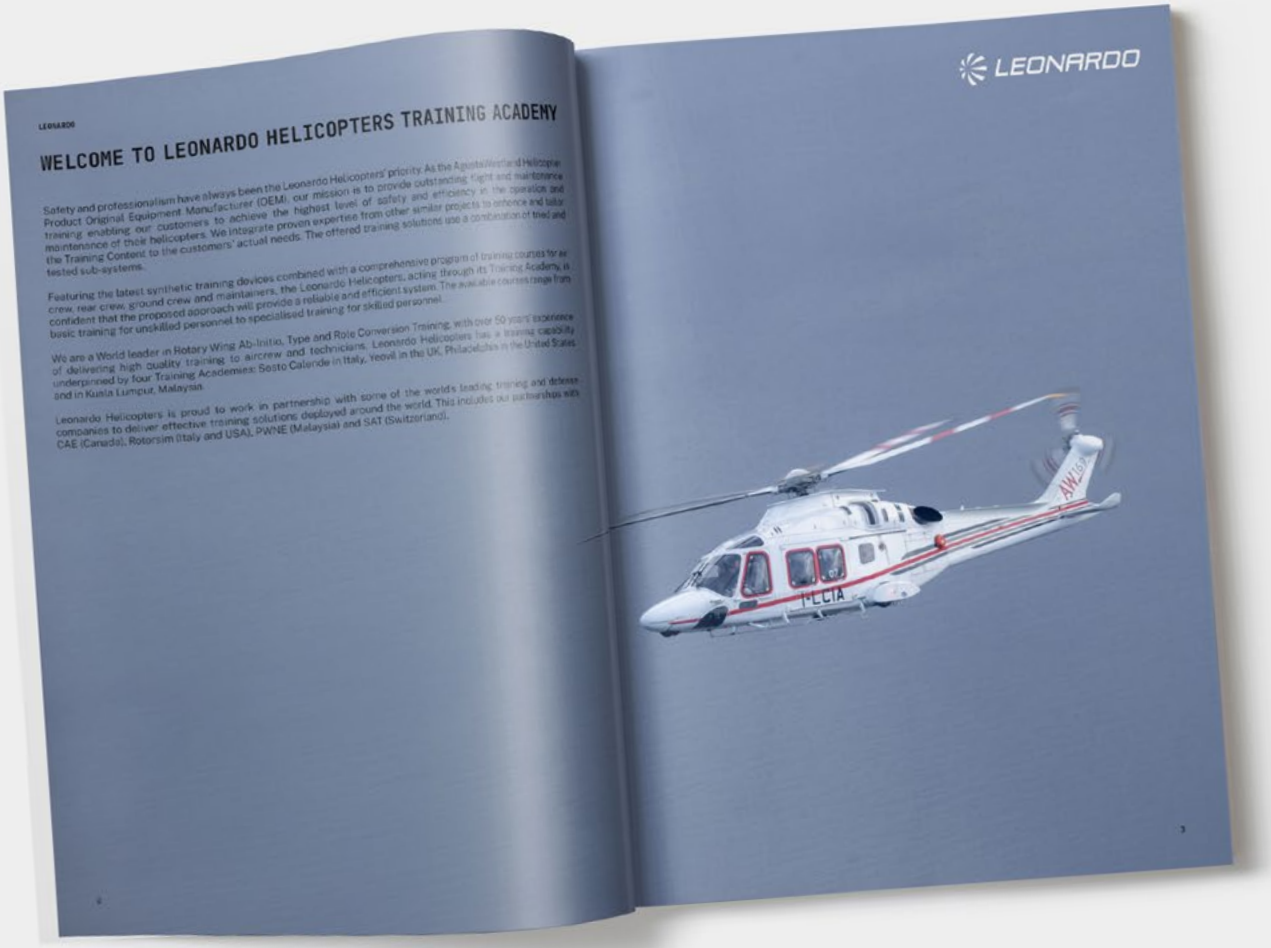
For Pilots:	
CERTIFICATE of TRAINING SUCCESSFULLY PASSED	To certify the completion of a training course for which passing a final examination is required.
CERTIFICATE of TRAINING ATTENDED	To certify the attendance of a training course for which passing a final examination is not required or in the event that the examination has not been taken or has been failed.
For Technicians:	
CERTIFICATE OF RECOGNITION	To certify the completion of a training course approved by the competent authority that has granted to Leonardo Training Academy the privilege to carry out the course. This certificate will be released provided that the applicant holds the necessary pre-requisites.
CERTIFICATE OF TRAINING SUCCESSFULLY PASSED	To certify the completion of a training course for which passing a final examination is required.
CERTIFICATE OF TRAINING ATTENDED	To certify the attendance of a training course for which passing a final examination is not required; or in the event that the examination has not been taken or has been failed.

TRAINING ACADEMY COURSE & CERTIFICATE DISCLAIMER

The use of Leonardo Training Academy curriculum by operators and service facilities is not authorized and does not constitute an approved school program.
The use of Leonardo Helicopters Training Manuals and materials is not authorized outside the Leonardo Helicopters Training Academies.
The EASA certification and FAA Approval apply ONLY to training performed by Leonardo Training Academy approved instructor personnel.

PROHIBITIONS

All hand-carried items may be subject to inspection by the Security Guards. Leonardo Training Academy security requirements do not allow the following items: personal cameras, tape recorders, firearms or drugs and alcohol. Computers will be accepted only if an authorization/clearance is requested upon arrival to the security department. The equipment must only be operated in a stand-alone mode. No attempt must be made to connect it to any data or telecommunications network on site. No data is to be passed to or from the equipment by other means (flash drives, transit disks or IR/Bluetooth links). You will not be allowed to produce any protectively marked material. The computer cannot be used in any other departments unless specific permission to do so is given.
Note: Mobile phones with a camera are only allowed on the bottom floor of building 7 (TA).



LEONARDO

WELCOME TO LEONARDO HELICOPTERS TRAINING ACADEMY

Safety and professionalism have always been the Leonardo Helicopters' priority. As the AgustaWestland Helicopter Product Original Equipment Manufacturer (OEM), our mission is to provide outstanding flight and maintenance training enabling our customers to achieve the highest level of safety and efficiency in the operation and maintenance of their helicopters. We integrate proven expertise from other similar projects to enhance and tailor the Training Content to the customers' actual needs. The offered training solutions use a combination of tried and tested sub-systems.

Featuring the latest synthetic training devices combined with a comprehensive program of training courses for air crew, rear crew, ground crew and maintainers, the Leonardo Helicopters, acting through its Training Academy, is confident that the proposed approach will provide a reliable and efficient system. The available courses range from basic training for unskilled personnel to specialised training for skilled personnel.

We are a World leader in Rotary Wing Ab-Initio, Type and Role Conversion Training, with over 50 years' experience of delivering high quality training to aircrew and technicians. Leonardo Helicopters has a training capability underpinned by four Training Academies: Sesto Calende in Italy, Yeovil in the UK, Philadelphia in the United States and in Kuala Lumpur, Malaysia.

Leonardo Helicopters is proud to work in partnership with some of the world's leading training and defense companies to deliver effective training solutions deployed around the world. This includes our partnerships with CAE (Canada), Rotorsim (Italy and USA), PWNE (Malaysia) and SAT (Switzerland).

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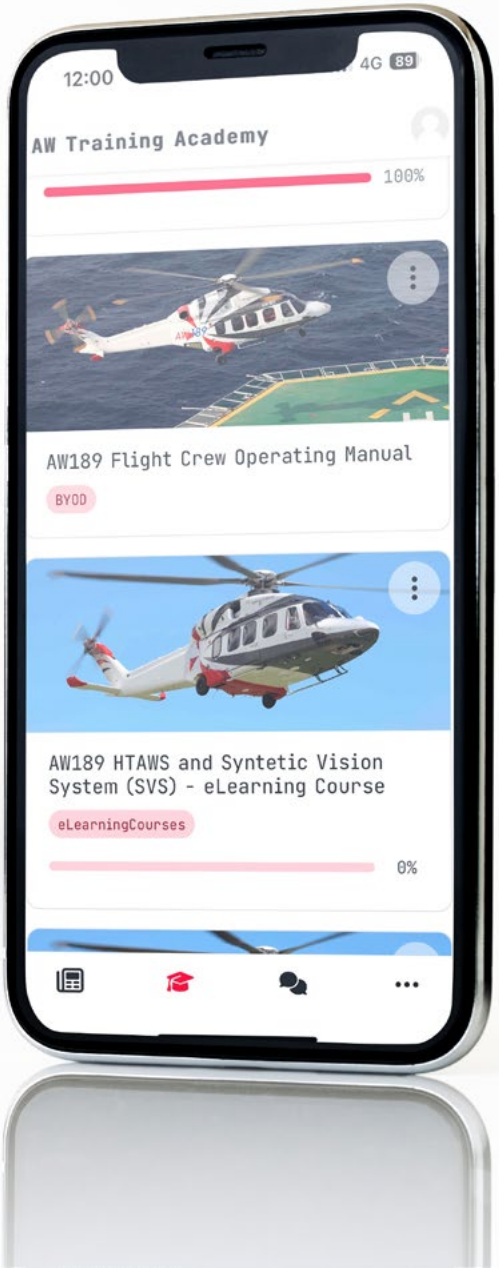
COURSES CATALOGUE

INTRODUCTION

The training courses included in this Catalogue are not all the courses within the Leonardo Training Academy's capabilities. You will find enclosed only the courses that the market most frequently demands.

The admission requirements included in this Training Course Catalogue will be needed in order to be admitted to the relevant training course. However an evaluation of the student's license and experience will be required in order to identify the applicable training program.

The description of the training courses, the training contents and applicable duration specified in this document may be subject to change in order to fulfil the Regulating Authority requirements, and the programs delivered will be the valid/applicable ones at the time of their delivery.



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VFR/IFR TYPE RATING COURSES – SINGLE PILOT

Approval	Part FCL
Certificate	Certificate of Training Successfully Passed
Scope of Training	The scope of the Type Rating courses is to enable the Pilot to achieve the Type Rating for a specific helicopter model. At the end of the Type Rating courses the attending pilot must be able to operate the specific helicopter model and all its syste46ms completely safely and carry out the VFR and/or IFR procedures specified for normal and emergency conditions in a skillful manner. Type Rating Courses are divided into two different training patterns: -Initial Type Rating (ITR) courses -Additional Type Rating (ATR) courses

INITIAL VFR/IFR TYPE RATING COURSES - SINGLE PILOT

ITR courses are aimed at applicants for whom the course is the first Type Rating on a multi-engine turbine (MET) helicopter.

Approval	Part FCL
Certificate	Certificate of Training Successfully Passed
Scope of Training	The scope of the Type Rating courses is to enable the Pilot to achieve the Type Rating for a specific helicopter model. At the end of the Type Rating courses the attending pilot must be able to operate the specific helicopter model and all its systems completely safely and carry out the VFR and/or IFR procedures specified for normal and emergency conditions in a skillful manner.

Admission Requirements

In order to be admitted to this course, an attending student must satisfy the following requirements:

Hold a valid Helicopter Pilot's license (PPL(H) or CPL(H) or ATPL(H))
Hold an appropriate Medical Certificate
Satisfy all of the psychological and physical requirements
Be able to read, speak and understand English at a level which allows him to:
1) understand aviation technical matters and all the information relevant to the accomplishment of all phases of a course, including Theoretical Knowledge training, flight preparation; and briefings
2) maintain fluent communication with the instructor and other crew members. (1)
For IR extension, the trainee must hold at least a language proficiency ICAO level 4 or above (FCL 0.55(d)).
Hold a certificate of satisfactory completion of a pre-entry approved course in accordance with FCL.720.H(c) to be conducted by an ATO or have passed at least the ATPL(H) theoretical knowledge examinations (2)
Have a current ME/IR-H (3)
Have a previous experience in glass cockpit aircraft or have completed the Glass Cockpit and Automation Management course on the applicable helicopter model (4)
Have logged at least 70 flight hours as Pilot In Command
Have at least 70 hours of instrument time of which up to 30 hours may be instrument ground time

(1) A trainee that does not meet points (1) and (2) shall attend an initial type rating course with the support of certified/authorized an interpreter.

(2) The possession of a certificate of satisfactory completion of the pre-entry approved course shall not be a substitute for showing compliance for the grant of an ATPL(H).

(3) In case pilots are not in possession of a valid IR(H) Rating on a Multi-Engine helicopter, the IFR portion of Training will be converted into VFR additional hours or in other training activities to be mutually agreed between the Parties.

(4) Applicable only for Glass Cockpit helicopter models (i.e. A109S Trekker, AW109SP, AW139, AW189 and AW169)

Training Content

INITIAL TYPE RATING COURSE – SINGLE PILOT									
MODEL	P/N	GROUND	OTD	FFS		HELICOPTER		SKILL TEST	
				VFR	IFR	VFR	IFR	VFR	IFR
AW119	1E-T-086-PAW	30				5		1	
AW109E	0E-T-159-PAW	30		8	8	2	2	1	1
AW109S*	0S-T-249-PAW	30		8	8	2	2	1	1
AW109S Trekker	0T-T-Q47-PAW	48	4			8	8	1	1
AW109SP	0P-T-282-PAW	48	8	8	8	4	2	1	1
AW139	30-T-L12-PAW	60	6	12	8	2	2	1	1
AW189	80-T-G81-PAW	72	6	12	8	2	2	1	1
AW169	60-T-G41-PAW	60	6	12	8	2	2	1	1
AW189K	*	72	6			10	8	1	1

**For the A109S Type Rating course, the FFS phase is intended to be performed on the A109E Full Flight Simulator Level D. For this reason the Skill Test for the A109S Type Rating course can be performed on the real helicopter only.*

***Available upon request*

ADDITIONAL VFR/IFR TYPE RATING - SINGLE PILOT

Approval	Part FCL
Certificate	Certificate of Training Successfully Passed
Scope of Training	The scope of the Type Rating courses is to enable the Pilot to achieve the Type Rating for a specific helicopter model. At the end of the Type Rating courses the attending pilot must be able to operate the specific helicopter model and all its syste46ms completely safely and carry out the VFR and/or IFR procedures specified for normal and emergency conditions in a skillful manner. Type Rating Courses are divided into two different training patterns: -Initial Type Rating (ITR) courses -Additional Type Rating (ATR) courses
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: Hold a valid and current Helicopter Pilot's license (PPL(H) or CPL(H) or ATPL(H)) with a MET helicopter rating Hold an appropriate Medical Certificate Satisfy all of the psychological and physical requirements Be able to read, speak and understand English at a level which allows him to: 1) understand aviation technical matters and all the information relevant to the accomplishment of all phases of a course, including Theoretical Knowledge training, flight preparation; and briefings 2) maintain fluent communication with the instructor and other crew members. (1) For IR extension, the trainee must hold at least a language proficiency ICAO level 4 or above (FCL 0.55(d)). Hold a valid ME-IR(H) (2) Have previous experience in glass cockpit aircraft or have completed the Glass Cockpit and Automation Management course on the applicable helicopter model (3) Have at least 70 hours of instrument time of which up to 30 hours may be instrument ground time Have logged at least 70 flight hours as Pilot In Command *(1) A trainee that does not meet points (1) and (2) shall attend an initial type rating course with the support of certified/authorized an interpreter.* *(2) In case pilots are not in possession of a valid IR(H) Rating on a Multi-Engine helicopter, the IFR portion of Training will be converted into VFR additional hours or in other training activities to be mutually agreed between the Parties.* *(3) Applicable only for Glass Cockpit helicopter models (i.e. A109S Trekker, AW109SP, AW139, AW189 and AW169)*
Training Content	

ADDITIONAL TYPE RATING COURSE –SINGLE PILOT

MODEL	P/N	GROUND	OTD	FFS		HELICOPTER		SKILL TEST	
				VFR	IFR	VFR	IFR	VFR	IFR
AW119Kx	1X-T-86T-PAW	30				3		1	
AW109E	0E-T-161-PAW	30		4	4	2	2	1	1
AW109S**	0S-T-251-PAW	30		4	4	2	2	1	1
AW109S Trekker	0T-T-N74-PAW	48	4			4	3	1	1
AW109SP	0P-T-N61-PAW	48	4	6	4	4	2	1	1
AW139	30-T-L15-PAW	60	4	8	6	2		1	1
AW189***	80-T-J78-PAW	72	4	8	6	2		1	1
AW169	60-T-G39-PAW	60	4	8	6	2		1	1
AW189K	*	72	4			8	6	1	1

**Available upon request*

	NOTES: ** Available upon request* *** For the A109S Type Rating course, the FFS phase is intended to be performed on the A109E Full Flight Simulator Level D. For this reason the Skill Test for the A109S Type Rating course can be performed on the real helicopter only.* **** For pilots holding AW139 type rating a reduced Additional Type Rating training program may be applied (Ref. Commonality Section Paragraph)*

VFR/IFR TYPE RATING COURSES - MULTIPILOT

Approval	Part FCL
Certificate	Certificate of Training Successfully Passed
Scope of Training	The scope of the Type Rating courses is to enable the Pilot to achieve the Type Rating for a specific helicopter model. At the end of the Type Rating course the attending Pilot must be able to operate the specific helicopter model completely safely and carry out the VFR and/or IFR procedures specified for normal and emergency conditions in a skillful manner. Type Rating Courses are divided into two different training patterns: -Initial Type Rating (ITR) courses -Additional Type Rating (ATR) courses

INITIAL VFR/IFR TYPE RATING COURSE - MULTIPILOT

ITR courses are aimed at applicants for whom the course is the first Type Rating on a multi-engine turbine (MET) helicopter.

Approval	Part FCL
Certificate	Certificate of Training Successfully Passed
Scope of Training	The scope of the Type Rating courses is to enable the Pilot to achieve the Type Rating for a specific helicopter model. At the end of the Type Rating course the attending Pilot must be able to operate the specific helicopter model completely safely and carry out the VFR and/or IFR procedures specified for normal and emergency conditions in a skillful manner. If the Type Rating is the first on a multi-pilot helicopter (multi pilot operations), the attending pilot shall:
Admission Requirements	Hold a valid Helicopter Pilot's license (PPL(H) or CPL(H) or ATPL(H)) Hold an appropriate Medical Certificate Satisfy all of the psychological and physical requirements Be able to read, speak and understand English at a level which allows him to: 1) understand aviation technical matters and all the information relevant to the accomplishment of all phases of a course, including Theoretical Knowledge training, flight preparation; and briefings 2) maintain fluent communication with the instructor and other crew members. (1) For IR extension, the trainee must hold at least a language proficiency ICAO level 4 or above (FCL 0.55(d)). Hold a certificate of satisfactory completion of a pre-entry approved course in accordance withFCL.720.H(c) to be conducted by an ATO or have passed at least the ATP(H) theoretical knowledge examinations (2) Have a current ME/IR-H (3) Have a previous experience in glass cockpit aircraft or have completed the Glass Cockpit and Automation Management course on the applicable helicopter model (4) Have at least 70 hours of instrument time of which up to 30 hours may be instrument ground time Have logged at least 70 flight hours as Pilot In Command (5) Hold a certificate of satisfactory completion of MCC course (Multi Crew Cooperation) or have an experience of at least 500 hours as pilot in multi–pilot operations. (6) *(1) A trainee that does not meet points (1) and (2) shall attend an initial type rating course with the support of certified/authorized an interpreter.* *(2) The possession of a certificate of satisfactory completion of the pre-entry approved course shall not be a substitute for showing compliance for the grant of an ATPL(H).* *(3) In case pilots are not in possession of a valid IR(H) Rating on a Multi-Engine helicopter, the IFR portion of Training will be converted into VFR additional hours or in other training activities to be mutually agreed between the Parties.* *(4) Applicable only for Glass Cockpit helicopter models (i.e. A109S Trekker, AW109SP, AW139, AW189 and AW169)* *(5) An applicant for a type rating in multi-pilot operations graduating from ATP(H)/IR, ATP(H) or CPL (H)/IR integrated course (provided that the flight activity has been carried out entirely in dual control, and were still completed at least 50 hours as PIC, all certified by the log book) who has less than 70 hours as PIC of helicopters shall have the type rating issued limiting the privileges to co-pilot only.* *(6) The completion of MCC course could be considered fulfilled if the Pilot attends the MCC Embedded Type Rating training course on a multi-engine helicopter.* *The 500 hours mentioned above can be considered fulfilled if the multi-pilot operations are carried out on single pilot multi-engine helicopters.*

Training Content

INITIAL VFR/IFR TYPE RATING–MULTI PILOT									
MODEL	P/N	GROUND	OTD	FFS		HELICOPTER		SKILL TEST	
				VFR	IFR	VFR	IFR	VFR	IFR
AW139	30-T-L13-PAW	60	6	12 PF + 12 PM	8 PF + 8 PM	2	2	1	1
AW189	80-T-C70-PAW	72	6	12 PF + 12 PM	8 PF + 8 PM	2	2	1	1
AW169	60-T-K94-PAW	60	6	12 PF + 12 PM	8 PF + 8 PM	2	2	1	1
AW189K	*	72	6			10 PF + 2 PM	8	1	1

**Available upon request*

NOTES:
**The above mentioned hours of PM reflect the Dual Candidate option, while, in case of Single Candidate, the hours of PM operations conducted will vary as follows for all helicopter models: 2 PM (VFR) and 2 PM (IFR).*

INITIAL VFR/IFR TYPE RATING COURSE – MULTI PILOT – MCC EMBEDDED

Training Content

INITIAL VFR/IFR TYPE RATING – MULTI PILOT - MCC EMBEDDED									
MODEL	P/N	GROUND	OTD	FFS		HELICOPTER		SKILL TEST	
				VFR	IFR	VFR	IFR	VFR	IFR
AW139	AA-T-M01-PAW** 30-T-K77-PAW	60+25***	6	16 PF + 16 PM	14 PF + 14 PM	2	2	1	1
AW189	AA-T-M01-PAW** 80-T-F04-PAW	72+25***	6	16 PF + 16 PM	14 PF + 14 PM	2	2	1	1
AW169	AA-T-M01-PAW** 60-T-F05-PAW	60+25***	6	16 PF + 16 PM	14 PF + 14 PM	2	2	1	1

NOTES:
**The above mentioned hours of PM reflect the Dual Candidate option, while, in case of Single Candidate, the hours of PM operations conducted will vary as follows for all helicopter models: 4 PM (VFR) and 6 PM (IFR).*
*** The P/N AA-T-M01-PAW has to be considered additional and not alternative to the P/N applicable for each helicopter model*

**** 25 hours: 3 days of 7 hours plus 4 hours theory embedded in pre/post sortie briefings.*

ADDITIONAL VFR/IFR TYPE RATING COURSE – MULTI PILOT

Approval	Part FCL
Certificate	Certificate of Training Successfully Passed
Scope of Training	ATR courses are aimed at candidates who already have an authorization type on multi engine turbine helicopter or multi engine turbine helicopter in multi-pilot operations and require the issuance of an additional qualification of type for the same category of helicopter (MET, MPH). If the Type Rating is the first on a multi-pilot helicopter (multi pilot operations), the attending pilot shall:
Admission Requirements	Hold a valid and current Helicopter Pilot's license (PPL(H) or CPL(H) or ATPL(H)) with a MET helicopter rating (1) Hold an appropriate Medical Certificate Satisfy all of the psychological and physical requirements Be able to read, speak and understand English at a level which allows him to: 1) understand aviation technical matters and all the information relevant to the accomplishment of all phases of a course, including Theoretical Knowledge training, flight preparation; and briefings 2) maintain fluent communication with the instructor and other crew members. (2) For IR extension, the trainee must hold at least a language proficiency ICAO level 4 or above (FCL 0.55(d)). Have passed the ATPL (H) theoretical knowledge examinations Valid ME-IR (H) (3) Have a previous experience in glass cockpit aircraft or have completed the Glass Cockpit and Automation Management course on the applicable helicopter model (4) Have at least 70 hours of instrument time of which up to 30 hours may be instrument ground time Have logged at least 70 flight hours as Pilot In Command (5) Hold a certificate of satisfactory completion of MCC course (Multi Crew Cooperation) or have an experience of at least 500 hours as pilot in multi–pilot operations (6) *(1) The level of theoretical knowledge assumed to be held by holders of the PPL(H) or CPL(H) and type rating s for multi-pilot helicopters issued under requirements of Third Countries will not be a substitute for showing compliance with the requirements here above.* *(2) A trainee that does not meet points (1) and (2) shall attend an initial type rating course with the support of certified/authorized an interpreter.* *(3) In case pilots are not in possession of a valid IR(H) Rating on a Multi-Engine helicopter, the IFR portion of Training will be converted into VFR additional hours or in other training activities to be mutually agreed between the Parties.* *(4) Applicable only for Glass Cockpit helicopter models (i.e. A109S Trekker, AW109SP, AW139, AW189 and AW169)* *(5) An applicant for a type rating in multi-pilot operations graduating from ATPL(H)/IR, ATPL(H) or CPL (H)/IR integrated course (provided that the flight activity has been carried out entirely in dual control, and were still completed at least 50 hours as PIC, all certified by the log book) who has less than 70 hours as PIC of helicopters shall have the type rating issued limiting the privileges to co-pilot only.* *(6)The completion of MCC course could be considered fulfilled if the Pilot attends the MCC Embedded Type Rating training course on a multi-engine helicopter.* *The 500 hours mentioned above can be considered fulfilled if the multi-pilot operations are carried out on single pilot multi-engine helicopters.*

Training Content

ADDITIONAL TYPE RATING COURSE – MULTI PILOT									
MODEL	P/N	GROUND	OTD	FFS		HELICOPTER		SKILL TEST	
				VFR	IFR	VFR	IFR	VFR	IFR
AW139	30-T-L16-PAW	60	4	8 PF + 8 PM*	6 PF + 6 PM	2		1	1
AW189	80-T-A45-PAW	72	4	8 PF + 8 PM	6 PF + 6 PM*	2		1	1
AW169	60-T-G49-PAW	60	4	8 PF + 8 PM	6 PF + 6 PM*	2		1	1
AW189K	*	72	4			8 PF + 2 PM	6	1	1

**Available upon request*

NOTES:
** The above mentioned hours of PM reflect the Dual Candidate option, while, in case of Single Candidate, the hours of PM operations conducted will vary as follows for all helicopter models: 2 PM (VFR) + 2 PM (IFR)*

HELICOPTER CONTROL FLIGHT INTO TERRAIN (CFIT) INTRODUCTION PROGRAMME

Approval: TA Specification

Certificate: Certificate of Training Attended

Scope of Training

The aim of this course is to provide the attending Pilots with a familiarization program on how to operate at Low Level VFR in marginal weather situation using the LH Helicopter at its best performance during Search and Rescue Operations.
Special emphasis will be given to the TAWS/EGPWS, CRM, Inadvertent IMC Procedure, Brown

Admission Requirements

In order to be admitted to this course, an attending Pilot must satisfy the following requirements:

- Have successfully completed the Type Rating Course in the relevant Helicopter Type

Training Content

ADDITIONAL TYPE RATING COURSE – MULTI PILOT						
MODEL	P/N	GROUND	OTD	FFS*	HELICOPTER	SKILL TEST
AW109SP	0P-T-M40-PAW	4		2 PF+2 PM		
AW139	30-T-M37-PAW	4		2 PF+2 PM		
AW189	80-T-M39-PAW	4		2 PF+2 PM		
AW169	60-T-M38-PAW	4		2 PF+2 PM		

NOTE:
** In case of Single Pilot Training, the Sortie will be repeated in a different LOFT scenario, for a total of 4 Full Flight Simulator hours per pilot.*

COMMONALITY SECTION

Approval	AW Type Specification
Certificate	Certificate of Training Attended
Scope of Training	Scope of the Commonality Section is to evidence the privileges of a pilot extending the rating to another aircraft type within the same family (i.e. AW139-AW189). At the end of the training course the attending student must be able to pilot the new helicopter model completely safely and carry out the VFR and/or IR procedures specified for normal and emergency conditions in a skillful manner.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Hold a valid Helicopter Pilot's license (PPL(H) or CPL(H) or ATPL(H)) with a current AW139 VFR and/or IFR type rating • Hold a valid Flying Medical Certificate • Satisfy all of the psychological and physical requirements • Be able to read, speak and understand English at a level which allows him to: • 1) understand aviation technical matters and all the information relevant to the accomplishment of all phases of a course, including Theoretical Knowledge training, flight preparation; and briefings • 2) maintain fluent communication with the instructor and other crew members. (1) For IR extension, the trainee must hold at least a language proficiency ICAO level a *(1) A trainee that does not meet points (1) and (2) shall attend an initial type rating course with the support of certified/authorized an interpreter.*
Training Content	CROSS CREW QUALIFICATION COURSE AW139 TO AW189 ADDITIONAL TYPE RATING VFR/IFR MULTI-PILOT

MODEL	P/N	GROUND	OTD	FFS		HELICOPTER		SKILL TEST	
				VFR	IFR	VFR	IFR	VFR	IFR
AW189	80-T-D73-PAW	52	4	5 PF + 2 PM	3 PF	2 PF		1	1

NOTE:
** The above mentioned hours of PM reflect the Dual Candidate option, while, in case of Single Candidate, the hours of PM operations conducted will vary as follows: 2 PM (VFR) + 2 PM (IFR)*

AW

DIFFERENCE COURSES

Approval	Part FCL
Certificate	Certificate of Training Successfully Passed
Scope of Training	The scope of the Difference courses is to extend the privileges of a pilot to another aircraft type within the same family, in accordance with Part FCL requirements. At the end of the training course the attending pilot must be able to operate the new helicopter model completely safely and carry out the VFR and/or IR procedures specified for normal and emergency conditions in a skillful manner
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Hold a valid Helicopter Pilot's license (PPL(H) or CPL(H) or ATPL(H)) • Hold a valid Flying Medical Certificate • Satisfy all of the psychological and physical requirements • Be able to read, speak and understand English at a level which allows him to: 1) understand aviation technical matters and all the information relevant to the accomplishment of all phases of a course, including Theoretical Knowledge training, flight preparation; and briefings 2) maintain fluent communication with the instructor and other crew members. (1) For IR extension, the trainee must hold at least a language proficiency ICAO level 4 or above (FCL 0.55(d)).(1) • Hold a valid Type Rating VFR and/or IFR, on the same helicopter family(i.e. AW109)
Admission Requirements Notes	*(1) A trainee that does not meet points (1) and (2) shall attend an initial type rating course with the support of certified/authorized an interpreter.* *The differences training shall be entered in the pilot's logbook or equivalent docu ment and signed by a TRI/SFI(H) as appropriate and Head of Training.*

Training Content

The tables below details the available courses

DIFFERENCE COURSES									
MODEL	COURSE TYPE	P/N	GROUND	OTD	FFS		HELICOPTER		SKILL TEST
					VFR	IFR	VFR	IFR	
AW109E	VFR/IFR from AW109E to AW109S	0S-T-N94-PAW	9				2	1	
	VFR/IFR from AW109E to AW109S Trekker*	0T-T-J32-PAW	30	2			4	4	
	VFR/IFR from AW109E to AW109SP	0P-T-Q04-PAW	30	6	2	4	2		
AW109S	VFR/IFR from AW109S to AW109E	0E-T-X53-PAW	9		2	2			
	VFR/IFR from AW109S to AW109S Trekker	0T-T-V47-PAW	27	2			2	2	
	VFR/IFR from AW109S to AW109SP	0P-T-310-PAW	27	6	2	4	1		
AW109S Trekker	VFR/IFR from AW109S Trekker to AW109E	*	16		2	2			
	VFR/IFR from AW109S Trekker to AW109S	*	15				2	2	
	VFR/IFR from AW109S Trekker to AW109SP	0P-T-T88-PAW	27		2	2			
AW109SP	VFR/IFR from AW109SP to AW109E	*	15		2	2			
	VFR/IFR from AW109SP to AW109S	*	12				2	2	
	VFR/IFR from AW109SP to AW109S Trekker	0P-T-N48-PAW	21				2	2	

NOTE
** Available upon request*

Training Content

The tables below details the available courses

AW139 Ph.7 to AW139 Ph.8 Differences VFR Course

MODEL	COURSE TYPE	P/N	GROUND	OTD	FFS		HELICOPTER		SKILL TEST
					VFR	IFR	VFR	IFR	
AW139	AW139 PH.7 TO AW139 PH.8 DIFFERENCES VFR COURSE	TBD	6		1				

AW169 Phase 8 Wheeled LG to AW169 Phase 8 Skid LG

MODEL	COURSE TYPE	P/N	GROUND	OTD	FFS		HELICOPTER		SKILL TEST
					VFR	IFR	VFR	IFR	
AW169	AW169 PHASE 8 WHEELED LG TO AW169 PHASE 8 SKID LG	TBD	3		4				

AW169 Phase 6 to AW169 Phase 8–Basic Training

MODEL	COURSE TYPE	P/N	GROUND	OTD	FFS		HELICOPTER		SKILL TEST
					VFR	IFR	VFR	IFR	
AW169	AW169 PHASE 6 TO AW169 PHASE 8 BASIC TRAINING	60-T-Y92-PAW	3						

AW189 to AW189K Differences VFR

MODEL	COURSE TYPE	P/N	GROUND	OTD	FFS		HELICOPTER		SKILL TEST
					VFR	IFR	VFR	IFR	
AW139	AW189 to AW189K Differences VFR	80-T-67A-PAW	1				1		

REFRESHER COURSES

Approval	Part FCL
Certificate	Certificate of Training Successfully Passed
Scope of Training	The scope of the Refresher courses is to enable the pilot to renew the expired currency of the Type Rating on the relevant aircraft type. The course extends the type rating validity in accordance with Part FCL regulations. At the end of the training course the attending student must be able to pilot the relevant helicopter model completely safely and carry out the VFR and/or IFR procedures specified for normal and emergency conditions in a skillful manner.
Admission Requirements VFR	In order to be admitted to this course, an attending pilot must satisfy the following requirements: • Hold a valid Helicopter Pilot's license (PPL(H) or CPL(H) or ATPL(H)) • Have held a Type Rating on the relevant helicopter model • Hold a valid Flying Medical Certificate • Satisfy all of the psychological and physical requirements • Be able to read, speak and understand English at a level which allows him to: 1) understand aviation technical matters and all the information relevant to the accomplishment of all phases of a course, including Theoretical Knowledge training, flight preparation; and briefings 2) maintain fluent communication with the instructor and other crew members. (1) For IR extension, the trainee must hold at least a language proficiency ICAO level 4 or above (FCL 0.55(d)). *(1) NOTE: A trainee that does not meet points (1) and (2) shall attend an initial type rating course with the support of certified/authorized an interpreter.* *To refresh the IR part the pilot must:* *Have completed the VFR Refresh part* *Have held an AW helicopter type IR(H) MET that is expired shorter than 7 years* *NOTE: If the Refresher course only involves the Instrument Flight, the attending pilot must be at least current for the Type Rating.*
Training Content	The Refresher course training program is different according to the number of months passed by from the expiry date of the pilot rating and will be defined on the basis of pilots' qualifications and experience.

VFR/IFR REFRESHER COURSES*					
MODEL	GROUND	OTD	FFS	HELICOPTER	SKILL TEST
A119**				1	1
AW109E			4		2
AW109S				3	2
AW109S Trekker				3	2
AW109SP			4		2
AW139			4		2
AW189			4		2
AW169			4		2

Notes:
** It is also possible to refresh just the VFR or the IFR part*
***VFR only*

The duration ot the courses in the above table is representative of a Type Rating expiry date longer than 3 months but shorter than 1 year. However, the duration of Refresher courses varies according to the expiry date of pilots' ratings and on the basis of pilots' qualifications and exeprience, therefore content and duration of these courses may be subject to changes and will be the ones defined by LH.

RECURRENT COURSES

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The scope of the recurrent courses is to provide attending pilots with VFR/IFR or VFR only recurrent training in order to update knowledge and proficiency in an operational context and improve pilot skills in different conditions. At the end of the training course the attending student must be able to carry out the VFR and/or IFR procedure specified for normal and emergency conditions in a skillful manner.
Admission Requirements	• Hold a valid Helicopter Pilot's license (PPL(H) or CPL(H) or ATPL(H)) • Hold a valid Flying Medical Certificate • Satisfy all of the psychological and physical requirements • Basic knowledge of English language, written and spoken, that allows the Pilot to interact with the Instructor. In case the Pilot will undergo a Proficiency Check after the course, the minimum required • English level is the one required by the National Authority Regulations of the License Holder (1) • Be in possession of a current VFR/IFR or VFR only Type Rating on the helicopter model *(1) NOTE: Pilots not demon strating a basic knowledge of English, will be required to attend the Training (ground and flight) with the support of a translator, in order to eliminate language barrier.*
Training Content	

VFR/IFR RECURRENT					
MODEL	P/N*	GROUND**	OTD	FFS	HELICOPTER
A119	1E-T-C50-PAW	1 day			2***
AW109E	0E-T-018-PAW	1 day		6	
AW109S	0S-T-317-PAW	1 day		6	
AW109S Trekker	0T-T-V07-PAW	2 days			6
AW109SP	0P-T-314-PAW	2 days		6	
AW139	30-T-071-PAW	2 days		6	
AW189	80-T-489-PAW	2 days		6	
AW169	60-T-D56-PAW	2 days		6	

NOTES:
** For the sake of clarity, the p/n reported in the table do not include the Ground portion (except for the A119 helicopter model).*
*** Ground portion is available upon request for all helicopter models.*
**** VFR only*

N596LF
NVG OPERATION
PERMITTED

FROM SINGLE PILOT (SP) TO MULTI PILOT (MP) / FROM MULTI PILOT (MP) TO SINGLE PILOT (SP) EXTENSION TRAINING COURSES

Approval	Part FCL
Certificate	Certificate of Training Successfully Passed
Scope of Training	The scope of the SP to MP / MP to SP Extension Training Courses is to extend the privileges of LH helicopter Type Rating holders from Single Pilot Operations to Multi Pilot Operations (on the same type), or from Multi Pilot Operations to Single Pilot Operations (on the same type). At the end of the SP to MP training course the attending student will be able to pilot the LH helicopter completely safely and carry out the VFR and IR procedures specified for normal and emergency conditions in a skillful manner as part of a multi pilot crew. At the end of the MP to SP training course the attending Pilot will be able to pilot the LH helicopter completely safely and carry out the VFR and IR procedures specified for normal and emergency conditions in a skillful manner as a single pilot. Bridge training courses are divided into two different training patterns: • From SP to MP Extension Training Course • From MP to SP Extension Training Course
Admission Requirements	In order to be admitted to an Extension Training Course, an attending Pilot must satisfy the following common requirements: • Hold a valid Helicopter Pilot's License (CPL(H) or ATPL(H)). • Hold an appropriate Medical Certificate. • Satisfy all of the psychological and physical requirements. • Have a good English language knowledge both written and spoken (Part-FCL level 4: Operational) As well as the requirement peculiar to the required course: **From SP to MP Extension Training Course** • Hold a valid AW Single Pilot Type Rating and the IFR privileges on the same type • Hold a valid MP Type Rating (including IFR privileges) on any helicopter type **From MP to SP Extension Training Course** • Hold a valid AW Multi Pilot Type Rating and the IR privileges on the same type

Training Content

FROM SP TO MP EXTENSION TRAINING COURSE

EXTENSION TRAINING COURSE – from Single Pilot to Multi Pilot						
MODEL	P/N	GROUND	OTD	FFS*	HELICOPTER	SKILL TEST
A119						
AW109E*						
AW109S*						
AW109SP**		4***		2 PF + 2 PM****	1	2
AW139	*	4***		2 PF + 2 PM****	1	2
AW189	80-T-U19-PAW	4***		2 PF + 2 PM****	1	2
AW169	60-T-P81-PAW	4***		2 PF + 2 PM****	1	2

NOTES:
** Available upon request.*
***P/n available upon request*
**** Theory is embedded in Pre-Sortie Briefs.*
***** One flight crew member will operate as PF and the other member as PM during maneuvers/ procedures of the scheduled sortie in accordance with MCC. At least 1 sortie as a PM shall be conducted by each flight crew member.*
For the sake of clarity, the P/N included in the above table are applicable for the Dual Candidate option.

FROM MP TO SP EXTENSION TRAINING COURSE

EXTENSION TRAINING COURSE – from Multi Pilot to Single Pilot						
MODEL	P/N	GROUND	OTD	FFS*	HELICOPTER	SKILL TEST
A119						
AW109E	0E-T-B48-PAW			4	1	2
AW109S	0S-T-B47-PAW			4	1	2
AW109SP	0P-T-B46-PAW			4	1	2
AW139	30-T-L25-PAW			4	1	2
AW189	80-T-B45-PAW			4	1	2
AW169	60-T-E32-PAW			4	1	2

TRI – TYPE RATING INSTRUCTOR PILOT – INITIAL ISSUE

Approval	Part FCL
Certificate	Certificate of Training Successfully Passed
Scope of Training	The scope of the TRI(H)–Initial Issue courses is to train pilots to the level of competences necessary to deliver a Type Rating on the applicable helicopter model. At the end of the training course the attending student must be able to provide the Type Conversion Training to the pilots in possession of the required Pre Requisites.
Admission Requirements	In order to be admitted to this course, an attending pilot must satisfy the following requirements: • Be at least 18 years of age; • Hold an appropriate Medical Certificate; • Satisfy all of the psychological and physical requirements • Hold at least a CPL(H) and a current VFR/IFR rating on the aircraft type for which flight instruction is to be given; • Have a good English language knowledge both written and spoken (Part-FCL level 4: Operational) • Have completed at least 15 hours of flight as a pilot on the type of helicopter on which instruction is to be given, of which a maximum of 7 hours may be in a FSTD representing the type of helicopter • Be entitled to act as pilot-in-command on the aircraft type. • For a TRI(H) certificate for single-pilot single-engine helicopters, have completed at least 250 hours as a pilot of helicopters • For a TRI(H) certificate for single-pilot multi-engine helicopters, have completed at least 500 hours as pilot of helicopters to include 100 hours as pilot-in-command of single-pilot multi-engine helicopters; • For a TRI(H) certificate for multi-pilot helicopters, have completed at least 1000 hours flight time as a pilot on helicopters, including 350 hours as a pilot on multi-pilot helicopters; or for applicants already holding a TRI(H) certificate for single-pilot multi-engine helicopters, 100 hours as pilot of that type in MP operation.
Training Content	

T.R.I. INITIAL ISSUE-Single Pilot						
MODEL	P/N	GROUND*	OTD	FFS	HELICOPTER	ASSESSMENT OF COMPTENCE***
AW119	AA-T-861-PAW** 1E-T-586-PAW	12+25			5	1,5
AW109E	AA-T-861-PAW** 0E-T-L31-PAW	12+25		2	3	1,5
AW109S		12+25		2	3	1,5
AW109SP	AA-T-861-PAW** 0P-T-L24-PAW	12+25		2	3	1,5
AW109S Trekker	AA-T-861-PAW** 0T-T-T82-PAW	12+25			5	1,5
AW139	AA-T-861-PAW** 30-T-L17-PAW	12+25		2	3	1,5
AW189	AA-T-861-PAW** 80-T-L19-PAW	12+25		2	3	1,5
AW169	AA-T-861-PAW** 60-T-L21-PAW	12+25		2	3	1,5

NOTES:
** The 37 hours of Ground school include 25 hours of Teaching and Learning and 12 hours of Technical Training. If the student has already attended the Teaching and Learning course, he will only perform the Technical Training*
*** The P/N AA-T-861-PAW has to be considered additional and not alternative to the P/N applicable for each helicopter model.*
**** The assessment shall be performed on the same type of helicopter or FSTD used for the flight instruction and the duration of the Assessment of Competence will be at least one hour and the content of the assessment will be i.a.w. FCL.935. If the Assessment of Competence is performed on the FFS, the TRI Certificate will be restricted to flight instruction on FFS (i.a.w. FCL.910.TRI(a) & FCL.935.TRI).*

Training Content

T.R.I. INITIAL ISSUE-Multi Pilot						
MODEL	P/N	GROUND*	OTD	FFS	HELICOPTER	ASSESSMENT OF COMPTENCE***
AW139	AA-T-861-PAW** 30-T-L04-PAW	12+25		4	7	1,5
AW189	AA-T-861-PAW** 80-T-O66-PAW	12+25		4	7	1,5
AW169	AA-T-861-PAW** 60-T-L22-PAW	12+25		4	7	1,5

NOTES:
** The 37 hours of Ground school include 25 hours of Teaching and Learning and 12 hours of Technical Training. If the student has already attended the Teaching and Learning course, he will only perform the Technical Training.*
*** The P/N AA-T-861-PAW has to be considered additional and not alternative to the P/N applicable for each helicopter model.*
**** The assessment shall be performed on the same type of helicopter or FSTD used for the flight instruction and the duration of the Assessment of Competence will be at least one hour and the content of the assessment will be i.a.w. FCL.935. If the Assessment of Competence is performed on the FFS, the TRI Certificate will be restricted to flight instruction on FFS (i.a.w. FCL.910.TRI(a) & FCL.935.TRI).*

INSTRUCTOR OPERATING STATION TRAINING COURSE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	TThe scope of the IOS Training is to provide the student with knowledge and skills required to operate the Instructor Operator Station (IOS). At the end of the course, the pilot will be able to correctly set, control and manage training on simulators.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: Be at least 18 years of age; Hold an appropriate Medical Certificate; Satisfy all of the psychological and physical requirements Have a good English language knowledge both written and spoken (Part-FCL level 4: Operational) Hold or have held at least a CPL(H); Have or have held a Type Rating on the applicable type (Medallion Series i.e. A109E–AW139) (Series 3000 i.e. AW139–AW189–AW169) (Rega FFS i.e. AW109SP)
Training Content	

IOS Training–Module A–Medallion Series FFS

MODEL	P/N	GROUND	OTD	FFS	HELICOPTER	SKILL TEST
AW109E	0E-T-K46-PAW			4		
AW139 # 1	30-T-K47-PAW			4		
A109LUH	*					
A109N	*					

IOS Training–Module B–Medallion Series 3000 FFS

MODEL	P/N	GROUND	OTD	FFS	HELICOPTER	SKILL TEST
AW139 # 3	30-T-K48-PAW			4		
AW189	80-T-K50-PAW			4		
AW169	60-T-K49-PAW			4		

IOS Training–Combination of Modules (Module A + Module B)

MODEL	P/N	GROUND	OTD	FFS	HELICOPTER	SKILL TEST
A109E/A109LUH/A109N, AW139 # 1 AW139 # 3 & AW189				8		

REGA FTD level III/FFS B

MODEL	P/N	GROUND	OTD	FFS*	HELICOPTER	SKILL TEST
AW109SP	0P-T-K51-PAW			4		

NOTES:
** Available upon request*

FINMECCANICA
W&B and Equipment
Quick Settings
H/C SETTINGS
WEIGHT & CDG
Basic Operating Weight (kg)
5190
Ice Weight (kg)
Usable Fuel Weight (kg)
Payload Weight (kg)
GROSS WEIGHT (kg)
Longitudinal CoG
Override CoG (mm)
Lateral CoG
Override CoG (mm)
CREW
Pilot
Copilot
EQUIPMENT
Single Hoist
Cargo Hook
Emergency Floats
Forward Fuel Tanks
Auxiliary Fuel Tank
Apply
Cancel
H/C REPOSITIONING
AIRPORT SELECTION
Search ICAO
Search Airport
Details
AIRCRAFT REPOSITIONING
AIRPORT LOCAL SETTINGS
Airports
Free Repositioning
Runway Lights
Wind
Precipitation
Contaminants
Clouds
Apron:
Beacon:
Obstruction:
Set Default Lights
Set Default Weather
AIRCRAFT SLEW
NORTH
WEST
EAST
SOUTH
Reference System
FRBL
Slew Speed
Medium
Fast
Current Position
Altitude (ft)
Heading (°)
Air Speed (kts)

S.F.I. TRAINING

Approval	Part FCL
Certificate	Certificate of Training Successfully Passed
Scope of Training	The scope of the SFI(H) Training is to train pilots to the level of competences necessary for obtaining the issue/extension/renewal of a SFI(H) certificate. At the end of the training course the attending pilot must be able to provide synthetic flight training to other pilots in possession of the necessary pre requisites.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: Be at least 18 years of age; Hold an appropriate Medical Certificate; Satisfy all of the psychological and physical requirements Have a good English language knowledge both written and spoken (Part-FCL level 4: Operational) Hold or have held at least a CPL(H); Have completed the proficiency check for the issue of the specific type rating in an FFS representing the applicable type, within the 12 months preceding the application; In the case of single-pilot multi-engine helicopters, completed 500 hours as a pilot of helicopters, including 100 hours as PIC on single-pilot multi-engine helicopters; In the case of multi-pilot helicopters, at least 1000 hours of flying experience as a pilot on helicopters, including at least 350 hours as pilot on multi-pilot helicopters; *NOTES:* *An applicant for a SFI(H) certificate who holds or have held further instructor certificate will be credited with teaching and learning skills already demonstrated for the instructor certificate held.* *An applicant for a SFI(H) certificate who holds a TRI(H) certificate for the relevant type will be fully credited towards the requirements for the issue of a SFI(H).* *An applicant for a SFI(H) certificate who have already attended a training on the specific IOS of the relevant FSTD, will be fully credited towards the IOS training.* *An applicant for a SFI(H) certificate who have already completed the FFS content of the relevant TR course, will be fully credited towards the FFS type rating training*
Training Content	Table 1 below refers to the program for an Initial Issue of a SFI qualification.

S.F.I. TRAINING-INITIAL ISSUE					
MODEL	GROUND*	OTD	FFS	HELICOPTER	ASSESSMENT OF COMPETENCE
AW119					
AW109E	35 + IOS Course		The FFS content of the applicable TR course. The TRI Initial flight training course on the FFS only.	1 h of flight time on the flight deck**	FFS***
AW109S					
AW109SP					
AW139					
AW189					
AW169					

NOTES:
** The 35 hours of Ground school include 25 hours of Teaching and Learning and 10 hours of Technical Training. If the student has already attended the Teaching and Learning course, he will only perform the Technical Training.*
***The SFI Applicant shall complete, as a Pilot or observer, at least 1 h of flight time on the flight deck of the applicable type, within the 12 months preceding the application. (i.a.w. FCL.915.SFI(e)(1))*
**** The SFI Assessment of Competence should consist of at least 3 hours of flight instruction related to the duties of a SFI on the applicable FFS or FTD 2/3 (i.a.w. AWC4 FCL.935).*

Training Content

Table 2 below refers to the program for an SFI extension to another helicopter type.

S.F.I. TRAINING – TYPE EXTENSION						
MODEL	P/N*	GROUND	OTD	FFS	HELICOPTER	Assessment of Competence
AW119						
AW109E		IOS Course		The FFS content of the applicable Type Rating**		FFS***
AW109S						
AW109SP						
AW139						
AW189						
AW169						

NOTES:

** Available upon request*

*** The Assessment of Competence will be performed on the FFS.*

**** Conduct on a complete Type Rating course, at least 3 hours as SFI under supervision and to the satisfaction of a TRE expert.*

Please note that Leonardo Training Academy is pleased to offer additional training courses for Synthetic Flight Instructors as follows:

- Synthetic Flight Instructor Refresh course, for revalidation and renewal of the certificate expired from less than 1 year
- Synthetic Flight Instructor Refresh course, for revalidation and renewal of the certificate expired from more than 1 year
- Synthetic Flight Instructor Bridge course, from Single Pilot Multi Engine to Multi Pilot Multi Engine
- Instrument Rating Instructor for Simulator Flight Instructor (IR Limitation Removal)
- Multi Crew Cooperation Initial Issue for Instructor Pilots
- Multi Crew Cooperation Extension for Instructor Pilots

ADVANCED TRAINING COURSES

62 ADVANCED TRAINING COURSES CAT. A

63 OIL AND GAS ADVANCED TRAINING COURSES

ADVANCED TRAINING COURSES

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The scope of the TRI(H)–Initial Issue courses is to train pilots to the level of competences necessary to deliver a Type Rating on the applicable helicopter model. At the end of the training course the attending student must be able to provide the Type Conversion Training to the pilots in possession of the required Pre Requisites.
Admission Requirements	At the end of the course, the pilot will be able to perform these maneuvers safely in accordance with the standard required by Leonardo Training Academy. Advanced Courses are divided into different training patterns according to the helicopter mission profile: • Advanced Cat. A • Oil and Gas

ADVANCED TRAINING COURSES - CAT. A

Scope

The scope of the Advance Training Courses Cat. A is to supply the student with training about the "Advance VFR" maneuvers performed in Cat. A.

ADVANCED TRAINING–CAT.A			
MODEL	P/N	FFS	HELICOPTER*
AW109E	0E-T-193-PAW	4	
AW109S	0S-T-242-PAW		4
AW109SP	0P-T-423-PAW	4	
AW139	30-T-730-PAW	6	
AW189	80-T-808-PAW	2	
AW169	60-T-I34-PAW	4	

NOTES:
** Under request the Advance Training Course Cat. A can be performed on real helicopter. The training course duration will be adjusted accordingly.*

OIL AND GAS ADVANCED TRAINING COURSES

Scope

The scope of the Oil and Gas Advanced Training course is to train attending pilots to further explore the flying techniques learned during the Type Rating Course in accordance with the Oil and Gas mission profile.

ADVANCED TRAINING–OIL AND GAS		
MODEL	P/N	FFS
AW139	30-T-F37-PAW	10
AW189	80-T-G06-PAW	
AW169	60-T-G13-PAW	

NOTES:
The course duration specified in the above table is applicable for pilots with previous experience in Oil and Gas Procedures. In case attending pilots do not have previous experience in Oil and Gas Procedures, they will have to attend a ground portion prior to the simulator training, consisting of 6 hours theory.

PILOT OPERATIONAL TRAINING COURSES

66 SEARCH AND RESCUE TRAINING COURSES - SAR MODES COURSE

67 PILOT ADVANCED SAR OPERATIONS

68 NIGHT VISION IMAGING SYSTEM TRAINING COURSES – MULTI PILOT OPERATION

68 NIGHT VISION IMAGING SYSTEM – BASIC TRAINING COURSE

70 NIGHT VISION IMAGING SYSTEM – CONVERSION TO TYPE

71 NIGHT VISION IMAGING SYSTEM – RECURRENT TRAINING COURSE

72 PERFORMANCE BASED NAVIGATION (PBN)

SEARCH AND RESCUE TRAINING COURSES – SAR MODE COURSE

The following pages have to be intended as a guide to the classroom and flight times required to deliver SAR training and operational courses for pilots. We need to highlight that relevant operating experience and helicopter configuration may require adjustment of the parameters given in this document in order to deliver the most appropriate training solution for the individual customers.
Furthermore, all SAR and Pilots Operational Courses which foresee a flight phase on real helicopter must be performed on Customer's own fully equipped helicopter at Customer's base. The complete list of the required equipment will be provided before the delivery of the course.

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The scope of the SAR Modes course is to enable the attending Pilot to fly the relevant helicopter model in all conditions with the AFCS SAR Modes option with full effectiveness and safety. At the end of the training course the attending student must be able to operate all the functions of the AFCS SAR Modes option.
Admission Requirements	In order to be admitted to this course, the attending Pilot must satisfy the following requirements: • Have a valid Helicopter Pilot's license (civil and\or military equivalent); • Hold a valid Medical Certificate. • Have a current Type Rating for the helicopter on which the training will be carried out • Satisfy all of the psychological and physical requirements • Have a good knowledge of the English language both written and spoken (Part-FCL level 4: Operational)
Training Content	The training activity consists of a Ground Course of one day classroom activity and a Flight Session on helicopter or simulator.

SAR MODES COURSE						
MODEL	P/N	COURSE TYPE	GROUND	OTD	FFS	HELICOPTER
AW189	*	SAR Modes	3		2**	

NOTES:
**p/n available upon request*

*** Flight Training could be delivered also by using the Helicopter*

PILOT ADVANCED SAR OPERATIONS

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	This course is designed for helicopter pilots in possession of a current Part FCL License or the equivalent license issued by a military or regulatory agency and holding a current flying medical category. The aim of the course is to allow the attending pilots to safely conduct SAR Overland/Overwater operations with the applicable helicopter model. The training will cover only daytime operations. In accordance with Customer's operating role the course is divided in two alternative Modules: • Overland Day Time, including: Confined Area, Stretcher & hi-line • Overwater Day Time, including, between the others: Single/Double Lifts, Life Rafts and Rescue Basket Lifts;
Admission Requirements	In order to be admitted to the course, the attending Pilots must: • Hold a valid Type Rating on the applicable helicopter model; • Have a good knowledge of the English language both written and spoken - ICAO Level 4 or equivalent; • Hold a current medical flying category;
Training Content	PILOT ADVANCED SAR OPERATIONS MODULES / GROUND / FFS / HELICOPTER Overland Day Time / 2 days / 4 / 6 Overwater Day Time / 2 days / 8 / 6 *NOTES:* *The flight phase at Customer's premises on Customer's own helicopter to be intended as optional, subject to TA evaluation.*

NIGHT VISION IMAGING SYSTEM TRAINING COURSES – MULTI PILOT OPERATION

In order to tailor the Night Vision Imaging System Training to the actual Customer's needs, Leonardo Training Academy has designed several training courses based on the pilot's personal experience in NVG environment. With this objective, Leonardo Training Academy can offer Basic Training for unskilled personnel (e.g. Basic Training Course) or Training for skilled personnel (e.g. Basic Training Course for Night Expert or Basic Training Course for Night Expert with previous (Military) NVG experience) with previous experience in night training or NVG scenario. In addition to these, other training programs like Recurrent and Refresher courses can be proposed. Here below are the main courses proposed.

NIGHT VISION IMAGING SYSTEM – BASIC TRAINING COURSE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The scope of the Night Vision Imaging System Initial Training course is: • To allow the attending pilots to safely conduct night operations with the use of Night Vision Goggles (NVG); • To allow the attending pilots to understand the basic principles of operation of NVG goggles and familiarize with the use of the device in flight under normal and emergency condition.
Admission Requirements	In order to be admitted to the course supplied by Leonardo Training Academy, the attending Pilots must: • Hold a valid Helicopter Pilot's license (civil and\or military equivalent) • Hold a valid Medical Certificate • Have a good written and spoken command of the English Language-ICAO Level 4 is mandatory • Hold a valid VFR/IFR Type Rating on the specific helicopter model (civil and\or military equivalent) • Have at least 20 flight hours (min 10 flight hours on type) as PIC night VFR

Training Content

NIGHT VISION IMAGING SYSTEM – BASIC TRAINING COURSE*						
MODEL	P/N	GROUND	OTD	FFS	HELICOPTER	SKILL TEST
AW109E	0E-T-819-PAW	12		10 PF + 10PM***	6	1,5
AW109S	**					
AW109SP	0P-T-F98-PAW					
AW139	30-T-821-PAW					
AW189	80-T-G11-PAW					
AW169	60-T-G17-PAW					

NOTES:
**The Night Vision Imaging Systems – Initial Training Course allows the flight and navigation at an altitude not less than 500 ft. including take-off and landing in pre-recognized sites only. The flight portion on the helicopter will be completed at Customer's premises on Customer's helicopter that will be made available for this purpose.*
*** Available upon request.*
**** The course shall be attended by a complete crew consisting of two crew members. During FFS training one flight crew member will operate as PF and the other member as PM during maneuvers/ procedures of the scheduled sorties.*

Please note that Leonardo Training Academy is pleased to offer additional courses for Night Vision Imaging System training as follows:

- Basic Training Course IF phase (for Pilots with no IFR rating);
- Basic Training Course for night expert;
- Basic Training Course for night expert with previous NVG experience;
- NVIS Refresh Course.
- NVIS Conversion To Type

NIGHT VISION IMAGING SYSTEM – CONVERSION TO TYPE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	TThe scope of the Night Vision Imaging System Conversion to Type course is to allow the attending pilots to safely conduct night operations with the use of Night Vision Goggles (NVG) on the helicopter Type(s).
Admission Requirements	In order to be admitted to the course supplied by Leonardo Training Academy, the attending Pilots must: • Hold a valid helicopter pilot's license (civil and/or military equivalent); • Hold a current flying medical category; • Have a good knowledge of the English language both written and spoken (ICAO Level 4 is mandatory); • Hold a valid Type Rating on the specific helicopter model (civil and\or military equivalent) with recent flight experience in NVG; *Notes:* *The applicant pilots and technical crew members conducting NVIS operations shall have completed three NVIS flights in the last 90 days.* *Recency may be re-established on a training flight in the helicopter or an approved Full Flight Simulator (SPA.NVIS.130)*
Training Content	

NIGHT VISION IMAGING SYSTEM–CONVERSION TO TYPE TRAINING COURSE*					
MODEL	GROUND	OTD	FFS	HELICOPTER	SKILL TEST
AW109E			2		
AW109S					
AW109SP					
AW139					
AW189					
AW169					

NOTE:
**The course can be conducted either on FFS or on Helicopter. In case the course is conducted on helicopter, the course duration is approx. 1,5 hours.*

NIGHT VISION IMAGING SYSTEM RECURRENT TRAINING COURSE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The scope of the Night Vision Imaging System Recurrent course is to retrain the pilot in the use of NVGs.
Admission Requirements	In order to be admitted to the course supplied by Leonardo Training Academy, the attending Pilots must: • Hold a valid helicopter pilot's license (civil and/or military equivalent); • Hold a current flying medical category; • Have a good knowledge of the English language both written and spoken (ICAO Level 4 is mandatory); • Hold a valid Type Rating on the specific helicopter model (civil and\or military equivalent) with recent flight experience in NVG; *Notes:* *The applicant pilots and technical crew members conducting NVIS operations shall have completed three NVIS flights in the last 90 days.* *Recency may be re-established on a training flight in the helicopter or an approved Full Flight Simulator (SPA.NVIS.130)*
Training Content	

NIGHT VISION IMAGING SYSTEM–RECURRENT TRAINING COURSE						
MODEL	P/N	GROUND	OTD	FFS	HELICOPTER	SKILL TEST
AW109E	0E-T-U20-PAW	6**		4 PF + 4 PM***		
AW109S	*					
AW109SP	0P-T-F99-PAW					
AW139	30-T-G05-PAW					
AW189	80-T-G12-PAW					
AW169	60-T-G18-PAW					

NOTE:
** Available upon request.*
*** The Ground Phase of 6 hours is Available upon request*
**** The course shall be attended by a complete crew consisting of two crew members. During FFS training one flight crew member will operate as PF and the other member as PM during maneuvers/ procedures of the scheduled sorties.*

PERFORMANCE BASED NAVIGATION (PBN)

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The training is aimed at flight crews and is safety oriented: it provides all the theoretical knowledge and practical training necessary to operate, with competence and confidence, these new methods of modern navigation. The aim of PBN Flight Crew Qualification training is to provide pilots already holding an Instrument Rating (IR) the theoretical and practical knowledge necessary to comply with the 'new' concepts of operations or new navigation systems outlined by the Performance Based Navigation (PBN). The training program is designed for module delivery and includes ground segment training, practical training segment.
Admission Requirements	IIn order to be admitted to the course, the attending Pilots must: • Hold a valid helicopter pilot's license (civil and/or military equivalent); • Hold a current flying medical category; • Have a good knowledge of the English language both written and spoken; • Hold a valid Type Rating on the relevant Helicopter Model; • Valid Instrument Rating (IR) SPO ; or • Valid Instrument Rating (IR) MPO; or • Valid Instrument Rating (IR) SPO/MPO
Training Content	PERFORMANCE BASED NAVIGATION (PBN) GROUND: 2 days FFS: 4 plus Skill Test* *NOTE:* **The Proficiency Check will be minimum 1Hr if IR only. However the PBN course may be combined with TR (LPC). In this case the check will be minimum 1.5 hr. if either SP or MP and minimum 2 hr. if SP/MP. The course duration (dual flight hours of instruction) must be intended as minimum hours and can be subject to changes, depending upon trainees' experience and/or performance. The duration of this course may be subject to changes and it will be the one applicable and approved at the time of delivery of the course.*

I-ROAV

REAR CREW OPERATIONAL COURSES

76 HELICOPTER HOIST OPERATOR COURSE

76 AIRCREW FAMILIARIZATION COURSE

78 HELICOPTER HOIST OPERATION – CONVERSION TO TYPE

79 HELICOPTER HOIST OPERATION – BASIC TRAINING PROGRAMME

80 HELICOPTER HOIST OPERATION ADVANCED OPERATIONS (OVERLAND/OVERWATER)

81 TRAINING COURSES FOR REAR CREW

82 TACTIAL INSERTION OPERATION FAST ROPING/RAPPELLING

83 NIGHT VISION IMAGING SYSTEM COURSES FOR REAR CREW OPERATORS

84 MISSION SYSTEM OPERATOR COURSES

85 HELICOPTER EXTERNAL SLING LOAD OPERATION – CONVERSION TO TYPE

86 HELICOPTER EXTERNAL SLING LOAD OPERATION – BASIC TRAINING PROGRAMME

88 AERIAL FIRE FIGHTING OPERATIONS

90 RESCUEMAN COURSES

90 RESCUEMAN – CONVERSION TO TYPE

91 RESCUEMAN – BASIC TRAINING PROGRAMME

92 RESCUEMEN ADVANCED OPERATIONS (OVERLAND/OVERWATER)

93 INSTRUCTOR – HOIST OPERATOR AND RESCUEMEN

94 TRAINING SAR FOR FULL CREW

HELICOPTER HOIST OPERATOR COURSE

In order to tailor the Helicopter Hoist Operator Training to the actual Customer's needs, Leonardo Training Academy has designed several training courses based on the individual student's level of experience in the Helicopter Hoist Operation (HHO) environment.

With this objective, Leonardo Training Academy can offer:

- **Helicopter Hoist Operation - Conversion to Type;**
- **Helicopter Hoist Operation - Basic Training Program;**
- **Helicopter Hoist Operation - Advanced Operations Training Courses.**

The following pages have to be intended as a guide to the classroom and flight times required to deliver rear crew training courses. In many cases, customer requirements, operating experience and helicopter configuration may require adjustment of the parameters given in this document in order to deliver the most appropriate training solution for the individual customers.

Furthermore, all Rear Crew Operational Courses which foresee a flight phase on real helicopter must be performed on Customer's own fully equipped helicopter at Customer's base. The complete list of the required equipment will be provided before the delivery of the course.

AIRCREW FAMILIARIZATION COURSE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	This course provides the students with the necessary understanding of the customer basic helicopter type and its systems/limitations required before commencing operational duties or further training on the type.
Admission Requirements	In order to be admitted to this course, the attending students must: • Hold a current flying medical category • Have a good knowledge of the English language both written and spoken
Training Content	

AIRCREWMEN FAMILIARIZATION COURSE			
MODEL	P/N	GROUND	HELICOPTER
AW119Kx	1X-T-H94-PAW	5 days**	
A109Series	*		
AW139	30-T-L03-PAW		
AW189	80-T-F28-PAW		
AW169	60-T-H95-PAW		

NOTES:
**Available upon request*

VH-TJF
TOLL
MARINE
RESCUE

HELICOPTER HOIST OPERATION CONVERSION TO TYPE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	Both modules consist of a Ground phase followed by a practical phase on MITHOS and/or a flight portion* to be performed on the helicopter together with Customer's pilots.
Admission Requirements	IIn order to be admitted to the course supplied by Leonardo Training Academy, the attending students must: • Hold a current flying medical category • Have a good knowledge of the English language both written and spoken • Be Helicopter Hoist Operators (HHO) already qualified in their specialty on other helicopters and/or be experienced as HHOs according to applicable national rules • Be Helicopter Hoist operator already qualified in Overland or overwater operations in accordance with attended conversion to type course • Have completed and successfully passed the Aircrew Familiarization Course on the relevant helicopter model
Training Content	

HHO COURSE–CONVERSION TO TYPE-OVERLAND			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	2 days	4	
AW189			
AW169			

HHO COURSE–CONVERSION TO TYPE-OVERWATER			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	2 days	5	
AW189			
AW169			

HHO COURSE-CONVERSION TO TYPE-OVERLAND/OVERWATER with MITHOS				
MODEL	GROUND	MITHOS	HELICOPTER	ASSESMENT
AW139	2 days	3		
AW189				
AW169				

NOTES:
** One Customer Pilot and one Customer Aircrew will be trained as a team by one Instructor Pilot and one Aircrew Instructor Operator.*
In order to be admitted to the course the attending pilots must:
- *be pilots already qualified and experienced in the relevant type of operations and have a valid type rating on the helicopter type,*
- *have at least 20 flight hours experience as PIC on the helicopter type,*
- *be in possession of a current flying medical category,*
- *have a good knowledge of the English language both written and spoken (ICAO Level 4 as a minimum)*

*** The helicopter models included in the table above have to be intended as a reference. The course in object is applicable to other AgustaWestland helicopter models including A109Series and A119. Content and duration of the applicable training program may be subjected to variations according to the experience and background of the customer.*

HELICOPTER HOIST OPERATION – BASIC TRAINING PROGRAMME

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	This course provides the students with the theoretical knowledge and practical skills necessary to perform basic operation with the rescue Hoist System on the helicopter type(s). The course consists of classroom lessons and a portion on the ground on a MITHOS simulator and/or flight training* to be performed on the helicopter together with Customer's pilots.
Admission Requirements	In order to be admitted to this course, the attending students must: • Have completed the Aircrew Familiarization course on the relevant helicopter model or the appropriate technician type rating ground course • Hold a current flying medical category • Have a good knowledge of the English language both written and spoken
Training Content	HELICOPTER HOIST OPERATOR-BASIC TRAINING PROGRAM with MITHOS MODEL** / GROUND / MITHOS / HELICOPTER / ASSESMENT AW139, AW189, AW169 — 3 weeks / 8 / 4 *NOTES:* ** One Customer Pilot and one Customer Aircrew will be trained as a team by one Instructor Pilot and one Aircrew Instructor Operator.* *In order to be admitted to the course the attending pilots must:* • *have at least 20 flight hours experience as PIC on the helicopter type,* • *be in possession of a current flying medical category,* • *have a good knowledge of the English language both written and spoken (ICAO Level 4 as a minimum)* *** The helicopter models included in the table above have to be intended as a reference. The course in object is applicable to other AgustaWestland helicopter models including A109Series and A119. Content and duration of the applicable training program may be subjected to variations according to the experience and background of the customer.*

HELICOPTER HOIST OPERATION – ADVANCED OPERATION (OVERLAND/OVERWATER)

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The scope of the Helicopter Hoist Operator (HHO) Operations Courses is to provide experienced operators with the theoretical knowledge and practical skills that may be considered an exposure to Overland and Overwater advanced operations to be performed with the relevant helicopter model. The course is divided in two alternative modules: • Overland Day Time • Overwater Day Time Both modules consist of a Ground phase followed by a Flight portion to be performed on the helicopter together with Customer's pilots.
Admission Requirements	In order to be admitted to the course supplied by Leonardo Training Academy, the attending students must*: • Be in possession of a current flying medical category • Have a good knowledge of the English language both written and spoken • If already experienced, the attending students must have completed and successfully passed the Helicopter Hoist Operator (HHO)-Conversion To Type on the Helicopter model • If Ab-Initio or low experience, the attending students must have completed and successfully passed the Helicopter Hoist Operator (HHO)–Basic Training Programl
Training Content	

HELICOPTER HOIST OPERATOR OPERATIONS–OVERLAND DAY TIME			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	3 days	6	1,5
AW189			
AW169			

HELICOPTER HOIST OPERATOR OPERATIONS–OVERWATER DAY TIME			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	3 days	6,5	1,5
AW189			
AW169			

NOTES:
** One Customer Pilot and one Customer Aircrew will be trained as a team by one Instructor Pilot and one Aircrew Instructor Operator.*
In order to be admitted to the course the attending pilots must:
be pilots already qualified and experienced in the relevant type of operations and have a valid type rating on the helicopter type,
have at least 20 flight hours experience as PIC on the helicopter type,
be in possession of a current flying medical category,
have a good knowledge of the English language both written and spoken (ICAO Level 4 as a minimum)
*** The helicopter models included in the table above have to be intended as a reference. The course in object is applicable to other AgustaWestland helicopter models including A109Series and A119.*

Content and duration of the applicable training program may be subjected to variations according to the experience and background of the customer.

TRAINING COURSES FOR REAR CREW

The courses identified hereinafter provide the necessary classroom and flight instruction to enable the student operator to be able to safely operate the specified role equipment as configured on the customer aircraft. Due to the variance of equipment available on the market and differing operating roles of customers, these courses will require appropriate individual training needs analysis in order to arrive at the correct training solution for customers requesting these courses.

The following pages have to be intended as a guide to the classroom and flight times required to deliver rear crew training courses. In many cases, customer requirements, operating experience and helicopter configuration may require adjustment of the parameters given in this document in order to deliver the most appropriate training solution for the individual customers.

TACTICAL INSERTION OPERATION FAST ROPING/RAPPELLING

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	This course is designed to provide an overview to achieve proficiency and safety in performance for fast roping/rappelling operation. The Fast Roping/Rappelling Course consists of a Ground phase followed by a Flight portion to be performed on the helicopter together with Customer's pilots.
Admission Requirements	In order to be admitted to the course supplied by the Leonardo Helicopters Training Academy the attending Pilots must: • Be Helicopter Pilot with a valid type rating on the helicopter model; • Hold a current medical flying category; • Have a good written and spoken command of the English Language is highly desirable, if not then the use of a translator is mandatory. The attending Rear Crew students must: • Be Helicopter Rear Crew already qualified / experienced on other helicopter type(s) • Have completed Aircrew Familiarization course on the relevant helicopter or the appropriate Technician Type Rating ground Course • Hold a current medical flying category; • Have a good written and spoken command of the English Language is highly desirable, if not then the use of a translator is mandatory The attending Roper students must: • Hold a current medical flying category • Have the correct level physical fitness required for the role • Have a good knowledge of the English language both written and spoken is highly desirable, if not then the use of a translator is mandatory
Training Content	

FAST ROPING/ RAPPELLING FOR REAR CREW OPERATORS			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	2 days	3	
AW189			
AW169			

FAST ROPING/ RAPPELLING FOR ROPERS			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	3 days	3	
AW189			
AW169			

NOTES:
** One Customer Pilot and one Customer Aircrew/ Roper will be trained as a team by one Instructor Pilot and one Aircrew Instructor Operator/Roper.*
In order to be admitted to the course the attending pilots must:
be pilots already qualified and experienced in the relevant type of operations and have a valid type rating on the helicopter type,
have at least 30 flight hours experience as PIC on the helicopter type,
be in possession of a current flying medical category,
have a good knowledge of the English language both written and spoken (ICAO Level 4 as a minimum)
*** The helicopter models included in the table above have to be intended as a reference. The course in object is applicable to other AgustaWestland helicopter models including A109Series and A119.*

Content and duration of the applicable training program may be subjected to variations according to the experience and background of the customer.

NIGHT VISION IMAGING SYSTEM COURSES FOR REAR CREW OPERATOR

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The aim of the course is: To allow the attending operator to safely conduct night operations with the use of Night Vision Goggles (NVG); To allow the attending operator to understand the basic principles of operation of the NVG goggles and familiarize with the use of the device in flight. The course includes Day/Night Time Training activity.
Admission Requirements	In order to be admitted to the course supplied by Leonardo Training Academy, the attending students must*: • Be already qualified/experienced rear crew on other helicopter type(s); • Have a good knowledge of the English language both written and spoken; • Be in possession of a current flying medical category; • If Ab-Initio or low experience, students must have successfully completed the Helicopter Hoist Operator (HHO)–Basic Training Program. • If hoisting operations are not required by the Customer then the Aircrew Familiarization Course and the General Aviation Theory (included under HHO–Basic Training Program Course) must be successfully completed before attending these courses.
Training Content	

NIGHT VISION IMAGING SYSTEM COURSES FOR OPERATOR			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	2 days	3	1,5
AW189			
AW169			

NOTES:
** One Customer Pilot and one Customer Aircrew will be trained as a team by one Instructor Pilot and one Aircrew Instructor Operator.*
In order to be admitted to the course the attending pilots must:
be pilots already qualified and experienced in the relevant type of operations and have a valid type rating on the helicopter type,
have at least 20 flight hours experience as PIC on the helicopter type,
be in possession of a current flying medical category,
have a good knowledge of the English language both written and spoken (ICAO Level 4 as a minimum)

*** The helicopter models included in the table above have to be intended as a reference. The course in object is applicable to other AgustaWestland helicopter models including A109Series and A119.*

Content and duration of the applicable training program may be subjected to variations according to the experience and background of the customer.

MISSION SYSTEM OPERATOR COURSES

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The scope of the Mission System Operator Course is to provide the students with the theoretical knowledge and practical skills necessary to perform basic operation of the systems that can be controlled from the mission console/workstation in the cabin. This course consists of a Ground phase, including Classroom specific training and a ground portion to be performed on the helicopter, followed by a Flight portion on the helicopter together with Customer's pilots.
Admission Requirements	In order to be admitted to the course supplied by Leonardo Training Academy , the attending students must*: • Be in possession of a current flying medical category • Have a good knowledge of the English language both written and spoken • Be familiar with FLIR theory • Be familiar with principles of general aviation theory (ATC , comms, meteorology, navigation, altimetry, CRM and human factors) • Have successfully completed the Aircrew Familiarization Course
Training Content	

MISSION SYSTEM OPERATOR COURSES			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	4 days	5	
AW189			
AW169			

NOTES:
** One Customer Pilot and one Customer Aircrew will be trained as a team by one Instructor Pilot and one Aircrew Instructor Operator.*
In order to be admitted to the course the attending pilots must:
be pilots already qualified and experienced in the relevant type of operations and have a valid type rating on the helicopter type,
have at least 20 flight hours experience as PIC on the helicopter type,
be in possession of a current flying medical category,
have a good knowledge of the English language both written and spoken (ICAO Level 4 as a minimum)

*** The helicopter models included in the table above have to be intended as a reference. The course in object is applicable to other AgustaWestland helicopter models including A109Series and A119.*

Content and duration of the applicable training program may be subjected to variations according to the experience and background of the customer.

HELICOPTER EXTERNAL SLING LOAD OPERATIONS – CONVERSION TO TYPE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	Scope of the Helicopter External Sling Load Operation (HESLO) Courses are to provide already experienced pilot and rear crew students with the theoretical knowledge and practical skills necessary to perform basic HESLO (Helicopter External Sling Operations) on the Helicopter type(s). This course is designed for day time training activity only and includes ground training followed by a flight portion to be performed on the helicopter.
Admission Requirements	In order to be admitted to the course supplied by the Leonardo Helicopters the attending Pilots must:* Be pilots with a valid type rating on the helicopter model; Be already experienced on HESLO on other helicopter type; Hold a current medical flying category; Have a good written and spoken command of the English Language; the attending Rear crew students must: Be Helicopter Rear Crew already qualified / experienced on other helicopter type(s) Be already experienced on HESLO on other helicopter type; Have completed Aircrew Familiarization course on the relevant helicopter or the appropriate Technician Type Rating ground Course Hold a current medical flying category Have A good knowledge of the English language both written and spoken is highly desirable, if not the use of a translator is mandatory.
Training Content	

HELICOPTER EXTERNAL SLING LOAD OPERATIONS-CONVERSION TO TYPE			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	2 days	3	
AW189			
AW169			

NOTES:
** One Customer Pilot and one Customer Aircrew will be trained as a team by one Instructor Pilot and one Aircrew Instructor Operator.*
In order to be admitted to the course the attending pilots must:
be pilots already qualified and experienced in the relevant type of operations and have a valid type rating on the helicopter type,
have at least 30 flight hours experience as PIC on the helicopter type,
be in possession of a current flying medical category,
have a good knowledge of the English language both written and spoken (ICAO Level 4 as a minimum)
*** The helicopter models included in the table above have to be intended as a reference. The course in object is applicable to other AgustaWestland helicopter models including A109Series and A119.*

Content and duration of the applicable training program may be subjected to variations according to the experience and background of the customer.

HELICOPTER EXTERNAL SLING LOAD OPERATIONS – BASIC TRAINING PROGRAMME

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	Scope of the Helicopter External Sling Load Operation (HESLO) Courses are to provide the pilot and rear crew students with the theoretical knowledge and practical skills necessary to perform basic NHEC HESLO (Helicopter External Sling Load Operations) on the Helicopter type(s). This course is designed for day time training activity only and includes ground training followed by a flight portion to be performed on the helicopter.
Admission Requirements	In order to be admitted to the course supplied by the Leonardo Helicopters the attending Pilots must:* • Be pilots with a valid type rating on the helicopter model; • Hold a current medical flying category; • Have a good written and spoken command of the English Language; the attending rear crew students must: • Have completed Aircrew Familiarization course on the relevant helicopter or the appropriate Technician Type Rating ground Course • Hold a current medical flying category • Have A good knowledge of the English language both written and spoken is highly desirable, if not the use of a translator is mandatory.
Training Content	

HELICOPTER EXTERNAL SLING LOADOPERATIONS–BASIC TRAINING PROGRAMME			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	4 days	5	
AW189			
AW169			

NOTES:
** One Customer Pilot and one Customer Aircrew will be trained as a team by one Instructor Pilot and one Aircrew Instructor Operator.*
In order to be admitted to the course the attending pilots must:
be pilots already qualified and experienced in the relevant type of operations and have a valid type rating on the helicopter type,
have at least 30 flight hours experience as PIC on the helicopter type,
be in possession of a current flying medical category,
have a good knowledge of the English language both written and spoken (ICAO Level 4 as a minimum)

*** The helicopter models included in the table above have to be intended as a reference. The course in object is applicable to other AgustaWestland helicopter models including A109Series and A119.*

Content and duration of the applicable training program may be subjected to variations according to the experience and background of the customer.

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AERIAL FIRE – FIGHTING OPERATIONS

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	Scope of the Aerial Firefighting Course is to provide the Pilot and Rear crew students with the theoretical knowledge and practical skills necessary to perform basic Bambi Bucket operations on the Helicopter type(s). This course is designed for day time training activity only and includes ground training followed by a flight portion to be performed on the helicopter
Admission Requirements	In order to be admitted to the course supplied by Leonardo Training Academy , the attending Pilots must*: • Be Helicopter Pilot already qualified and experienced in Cargo Hook/ HESLO operation • and with a valid type rating on the helicopter model; • Hold a current medical flying category; • A good written and spoken command of the English Language is highly desirable, if not then the use of a translator is mandatory. The attending Rear Crew students must: • Be Helicopter Rear Crew already qualified / experienced on other helicopter type(s) • The students must have completed the HESLO course on the helicopter model; • If ab-initio or low experience, students to have successfully completed Cargo Hook/HESLO operations courses and Aircrew Familiarization course plus the General Aviation Theory courses. • Hold a current medical flying category; • A good written and spoken command of the English Language is highly desirable, if not, then the use of a translator is mandatory.
Training Content	AERIAL FIRE-FIGHTING OPERATIONS MODEL** / GROUND / HELICOPTER / ASSESMENT AW139 / AW189 / AW169 — 2 days — 6 *NOTES:* ** One Customer Pilot and one Customer Aircrew will be trained as a team by one Instructor Pilot and one Aircrew Instructor Operator.* *In order to be admitted to the course the attending pilots must:* *be pilots already qualified and experienced in the relevant type of operations and have a valid type rating on the helicopter type,* *have at least 30 flight hours experience as PIC on the helicopter type,* *be in possession of a current flying medical category,* *have a good knowledge of the English language both written and spoken (ICAO Level 4 as a minimum)* *** The helicopter models included in the table above have to be intended as a reference. The course in object is applicable to other AgustaWestland helicopter models including A109Series and A119.* *Content and duration of the applicable training program may be subjected to variations according to the experience and background of the customer.*

RESCUEMAN COURSES

In order to tailor the Rescueman Training to the actual Customer's needs, Leonardo Training Academy has designed several training courses based on the personnel's experience in helicopter rescue operations.

With this objective, Leonardo Training Academy can offer:
- **Rescueman Conversion to Type;**
- **Rescueman Basic Training Programme;**
- **Rescueman Advanced Operations Training Courses.**

RESCUEMAN – CONVERSION TO TYPE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	This course provides the students with theoretical knowledge and practical skills necessary to perform basic rescue operation on the specific helicopters model. This course is designed for day time activity only and includes ground training followed by a flight portion to be performed on the helicopter.
Admission Requirements	In order to be admitted to the course supplied by Leonardo Training Academy, the attending students must*: • Hold a current flying medical category • Have a good knowledge of the English language both written and spoken • Be Rescuemen already qualified in their specialty on other helicopter model and/or be experienced as Rescuemen according to the applicable national rules • Have successfully completed the Aircrew Familiarization Course
Training Content	

RESCUEMAN-CONVERSION TO TYPE-OVELAND			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	2 days	2	
AW189			
AW169			

RESCUEMAN-CONVERSION TO TYPE-OVERWATER			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	2 days	2	
AW189			
AW169			

NOTES:
** One Customer Pilot and one Customer Rescueman will be trained as a team by one Instructor Pilot and one Rescueman Instructor.*
In order to be admitted to the course the attending pilots must:
be pilots already qualified and experienced in the relevant type of operations and have a valid type rating on the helicopter type,
have at least 20 flight hours experience as PIC on the helicopter type,
be in possession of a current flying medical category,
have a good knowledge of the English language both written and spoken (ICAO Level 4 as a minimum)

*** The helicopter models included in the table above have to be intended as a reference. The course in object is applicable to other AgustaWestland helicopter models including A109Series and A119. Content and duration of the applicable training program may be subjected to variations according to the experience and background of the customer.*

RESCUEMAN – BASIC TRAINING PROGRAMME

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	Scope of the Hoist Operator (HHO) Basic is to provide the students with the theoretical knowledge and practical skills necessary to perform basic operations with the rescue hoist system on the helicopter type(s). The course consists of classroom lessons followed by a practical phase on MITHOS and/or a flight portion* to be performed on the helicopter together with Customer's pilots
Admission Requirements	In order to be admitted to the course supplied by Leonardo Training Academy, the attending students must: • Have a good knowledge of the English language both written and spoken • Hold a current medical flying category • Have the correct level physical fitness required for the role • Have attended the Aircrew Familiarization course
Training Content	

RESCUEMAN-BASIC TRAINING PROGRAMME with MITHOS				
MODEL	GROUND	MITHOS	HELICOPTER	ASSESMENT
AW139	1 week + 2 days	6	2	
AW189				
AW169				

NOTES:
** One Customer Pilot and one Customer Rescueman will be trained as a team by one Instructor Pilot and one Rescueman Instructor.*
In order to be admitted to the course the attending pilots must:
be pilots already qualified and experienced in the relevant type of operations and have a valid type rating on the helicopter type,
have at least 20 flight hours experience as PIC on the helicopter type,
be in possession of a current flying medical category,
have a good knowledge of the English language both written and spoken (ICAO Level 4 as a minimum)

*** The helicopter models included in the table above have to be intended as a reference. The course in object is applicable to other AgustaWestland helicopter models including A109Series and A119.*

Content and duration of the applicable training program may be subjected to variations according to the experience and background of the customer.

RESCUEMEN - ADVANCED OPERATIONS OVERLAND/OVERWATER

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The scope of this course is to provide experienced operators with the theoretical knowledge and practical skills that may be considered an exposure to Overland and Overwater advanced operations to be performed with the relevant helicopter model. The course is divided in two alternative modules: • Overland Day Time • Overwater Day Time. Both modules consist of a Ground phase followed by a Flight portion to be performed on the helicopter together with Customer's pilots.
Admission Requirements	In order to be admitted to the course supplied by Leonardo Training Academy , the attending students must*: • Have a good knowledge of the English language both written and spoken; • Be in possession of a current flying medical category. • If already qualified, the attending students must have completed and successfully passed the Rescuemen Conversion to Type on Helicopter model. • If Ab-Initio or low experience students, the attending students must have completed and successfully passed the Rescuemen Basic Course Training Program.
Training Content	

RESCUEMEN OPERATIONS TRAINING COURSE–OVERLAND DAY TIME			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	3 days	6	1,5
AW189			
AW169			

RESCUEMEN OPERATIONS TRAINING COURSE–OVERLAND DAY TIME			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	3 days + 1 week***	6	1,5
AW189			
AW169			

NOTES:
** One Customer Pilot and one Customer Rescueman will be trained as a team by one Instructor Pilot and one Rescueman Instructor.*
In order to be admitted to the course the attending students must:
- *be pilots already qualified and experienced in the relevant type of operations and have a valid type rating on the helicopter type,*
- *have at least 20 flight hours experience as PIC on the helicopter type,*
- *be in possession of a current flying medical category,*
- *have a good knowledge of the English language both written and spoken (ICAO Level 4 as a minimum)*

*** The helicopter models included in the table above have to be intended as a reference. The course in object is applicable to other AgustaWestland helicopter models including A109Series and A119.*
****Swimming Pool*

Content and duration of the applicable training program may be subjected to variations according to the experience and background of the customer.

INSTRUCTOR – HOIST OPERATOR AND RESCUEMEN

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	This course delivers ground and flight instruction to experienced hoist operators and rescuemen to enable them with the necessary skills required in order to teach effectively and safely in the classroom and airborne environments
Admission Requirements	In order to be admitted to the course supplied by Leonardo Training Academy , the attending students must*: • Have a good knowledge of the English language both written and spoken; • Be in possession of a current flying medical category. • If already qualified, the attending students must have completed and successfully passed the Rescuemen Conversion to Type on Helicopter model. • If Ab-Initio or low experience students, the attending students must have completed and successfully passed the Rescuemen Basic Course Training Program.
Training Content	

INSTRUCTOR–HOIST OPERATOR AND RESCUEMEN			
MODEL**	GROUND	HELICOPTER	ASSESMENT
AW139	2,5 weeks	8,5	1,5
AW189			
AW169			

NOTES:
** One Customer Pilot and one Customer Aircrew / Rescueman will be trained as a team by one Instructor Pilot and one Air Crewman / Rescueman Instructor.*
In order to be admitted to the course the attending pilots must:
be pilots already qualified and experienced in the relevant type of operations and have a valid type rating on the helicopter type,
have at least 30 flight hours experience as PIC on the helicopter type,
be in possession of a current flying medical category,
have a good knowledge of the English language both written and spoken (ICAO Level 4 as a minimum)
*** The helicopter models included in the table above have to be intended as a reference. The course in object is applicable to other AgustaWestland helicopter models including A109Series and A119.*
Content and duration of the applicable training program may be subjected to variations according to the experience and background of the customer.
This training does not authorize the attending instructors to conduct courses in name of the Seller.

TRAINING SAR FOR FULL CREW

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	This course is designed for helicopter pilots, operators and rescuemen to act as a crew during SAR operations. The aim of this course is to provide experienced helicopter pilots, operators and rescuemen with the theoretical knowledge and practical skills that may be considered an exposure to SAR advanced operations. In accordance with Customer's operating role the course is divided in four alternative Modules: • Overland Day Time, including • Overland Night Time; • Overwater Day Time, • Overwater Night Time.
Admission Requirements	In order to be admitted to the course supplied by Leonardo Training Academy , the attending Pilots must*: • Be pilots already qualified and experienced in rescue operation and with a valid type rating on the helicopter model; • If already qualified the pilot must have completed and successfully passed the "Helicopter Hoist Conversion to type" on the helicopter model • If Ab-Initio or low experience students, the pilot must have completed and successfully passed the "Helicopter Hoist Operator Basic Training Program" on the helicopter model • Have completed and successfully passed the "Pilot Advanced SAR operation (Overland or Overwater accordingly) on the helicopter model • Be in possession of a current flying medical category; • Have a good written and spoken command of the English language–ICAO Level 4 or equivalent. • Have completed the "Night Vision System Imaging systems Course" in case pilot will attend the "Night Time" (Overland or Overwater accordingly) • • In order to be admitted to the course supplied by Leonardo Training Academy , the attending Hoist Operators must: • Be Hoist Operators already qualified in their specialty in accordance with Customer's standards; • If already qualified, the Hoist Operators must have completed and successfully passed the "Helicopter Hoist Operator Conversion To Type" on the helicopter model; • if Ab-Initio or low experience students, the Hoist Operators must have completed and successfully passed the "Helicopter Hoist Operator Basic Training Program" on the helicopter model; • Have completed and successfully passed the Helicopter Hoist Operator Operations (Overland or Overwater accordingly) on the helicopter model. • Have a good written and spoken command of the English Language; • Be in possession of a current flying medical category. • Have completed the "Night Vision System Imaging systems Course" in case the Hoist Operator will attend the "Night Time" (Overland or Overwater accordingly) • • In order to be admitted to the course the attending Rescuemen must: • Be Rescuemen already qualified in their specialty in accordance with Customer's standards; • If already qualified, the Rescuemen must have completed and successfully passed the "Rescuemen Conversion To Type" on the helicopter model; • If Ab-Initio or low experience students, the Rescuemen must have completed and successfully passed the "Rescuemen Basic Training Program" on the helicopter model; • Have completed and successfully passed the Rescuemen Operations (Overland or Overwater accordingly) on the helicopter model; • Have a good written and spoken command of the English Language; • Be in possession of a current flying medical category. • Have completed the "Night Vision System Imaging systems Course" in case the Rescuman will attend the "Night Time" (Overland or Overwater accordingly)

Training Content

TRAINING SAR FOR FULL CREW		
MODULE	GROUND	HELICOPTER
Overland Day Time	3 days	4
Overland Night Time**		6
Overwater DayTime	3 days	4,5
Overwater Night Time**		6

NOTES:
** One Customer Pilot, one Customer Hoist Operator and one Customer Rescueman will be trained as a team by one Seller's Instructor Pilot, one Seller's Operator Instructor and one Seller's Rescueman Instructor*

*** In order to be admitted to the Night Time portion of the "Training SAR for Full Crew" the students must have completed and successfully passed the Day Time portion of the course.*

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HEMS OPERATIONAL TRAINING PROGRAM

98 INITIAL TECHNICAL CREW MEMBER – AB INITIO

99 HEMS TECHNICAL CREW MEMBER

100 NVIS TECHNICAL CREW MEMBER COURSE

101 HEMS MEDICAL PASSENGER

102 GROUND HANDLING PERSONNEL COURSE

103 HEMS KIT FAMILIARIZATION COURSE

INITIAL TECHNICAL CREW MEMBER – AB INITIO

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The aim of the course is to provide to the ab-initio students the theoretical knowledge and practical skills necessary to perform safely and efficiently their duties as Technical Crew Member before commencing further training on the type and in the dedicated role;
Admission Requirements	In order to be admitted to this course, the attending students must: • Hold a current flying medical category • be at least 18 years old; • Have a good knowledge of the English language both written and spoken
Training Content	

INITIAL TECHNICAL CREW MEMBER–AB INITIO

MODEL*	P/N	GROUND	MOCK-UP & CLIMBING WALL	HELICOPTER
AW119Kx	*	4 days	7	
A109Series	*			
AW139	*			
AW189	*			
AW169	*			

NOTES:
**Available upon request*
***The attending students will be trained as a class. For the sake of clarity, the total number of hours included in the table above shall be performed for this course, independently from the number of attending students.*

HEMS TECHNICAL CREW MEMBER

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The aim of the course, supplied by Leonardo Helicopters Training Academy, is to provide to the students the theoretical knowledge and practical skills necessary to perform safely and efficiently HEMS operations in the HEMS Technical Crew role; The program of the training is designed according to (EU) 965/2012 on Air Operations / SPA. HEMS.130.
Admission Requirements	In order to be admitted to this course, the attending students must: • Hold a current flying medical category; • be at least 18 years old; • Have a good knowledge of the English language both written and spoken. • Have previous experience in this role or have successfully attended • the "INITIAL TECHNICAL CREW MEMBER (TCM) for Ab Initio personnel"
Training Content	

HEMS TECHNICAL CREW MEMBER					
MODEL*	P/N	GROUND	MOCK-UP & CLIMBING WALL	FFS	HELICOPTER*****
AW119Kx	*	38 h	12**	4***	1 AoC****
A109Series	*				
AW139	*				
AW189	*				
AW169	*				

NOTES:
**Available upon request*
***The attending students will be trained as a class. For the sake of clarity, the total number of hours included in the table above shall be performed for this course, independently from the number of attending students.*
****To be intended as total amount of hours to be performed by each attending student. If the FFS is not available, the same amount of hours will be performed at Customer's premises on Customer's own helicopter.*
***** To be intended as total amount of hours to be performed by each attending student to be performed at Customer's premises on Customer's own helicopter.*
******Optional*

NVIS TCM COURSE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	This course is designed for already qualified/experienced Technical Crew Members on helicopter and its aim is to allow the attending HEMS Technical Crew Member to understand the basic principles of operation of the Night Vision Googles (NVG) and familiarize with the use of the device in flight and to safely conduct night operations with the use of Night Vision Googles (NVG).
Admission Requirements	In order to be admitted to this course, the attending students must: • Hold a current flying medical category • Be already qualified and experienced as HEMS technical crew member • Have at least 50 hours of previous experience as Technical Crew Member on the applicable helicopter model • be at least 18 years old; • Have a good knowledge of the English language both written and spoken
Training Content	

NVIS TCM COURSE				
MODEL*	P/N	GROUND	FFS	HELICOPTER
AW119Kx	*	2 days	4**	
A109Series	*			
AW139	*			
AW189	*			
AW169	*			

NOTES:
** Available upon request*
*** To be intended as total amount of hours to be performed by each attending student. If the FFS is not available, the same amount of hours will be performed at Customer's premises on Customer's own helicopter.*

HEMS MEDICAL PASSENGER

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The aim of the course, supplied by Leonardo Helicopters Training Academy, is to provide to the students the theoretical knowledge and practical skills necessary to perform safely and efficiently HEMS operations in the HEMS Medical Passenger role;
Admission Requirements	In order to be admitted to this course, the attending students must: • Hold a current flying medical category • be a qualified doctor, state register paramedic, state register nurse; • be at least 18 years old; • Have a good knowledge of the English langua ge both written and spoken
Training Content	

HEMS MEDICAL PASSENGER COURSE				
MODEL*	P/N	GROUND	M&CW	HELICOPTER
AW119Kx	*	4 days	14**	
A109Series	*			
AW139	*			
AW189	*			
AW169	*			

NOTES:
**Available upon request*
***The attending students will be trained as a class. For the sake of clarity, the total number of hours included in the table above shall be performed for this course, independently from the number of attending students*

GROUND HANDLING PERSONNEL

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The Aim of the course is to provide the necessary ground instruction required to qualify the students as Emergency Ground Service Personnel and enable them to carry out safety procedures for conducting required operations;
Admission Requirements	In order to be admitted to this course, the attending students must: • Hold a current flying medical category • Be policemen, firemen, hospital security services employee, ambulance operators; • be at least 18 years old; • Have a good knowledge of the English language both written and spoken
Training Content	

GROUND HANDLING PERSONNEL COURSE

MODEL*	P/N	GROUND	FFS	HELICOPTER
AW119Kx	*	1 day	3**	
A109Series	*			
AW139	*			
AW189	*			
AW169	*			

NOTES:

**Available upon request*
***The attending students will be trained as a class. For the sake of clarity, the total number of hours included in the table above shall be performed for this course, independently from the number of attending students.*

HEMS KIT FAMILIARIZATION COURSE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The Aim of the course is to provide the students with the necessary understanding of the customer HEMS kit installation and its limitations required before commencing HEMS duties.
Admission Requirements	In order to be admitted to this course, the attending students must: • be at least 18 years old; • Have a good knowledge of the English language both written and spoken
Training Content	

GROUND HANDLING PERSONNEL COURSE				
MODEL*	P/N	GROUND	M&CW	HELICOPTER
AW119Kx	*	2 days		
A109Series	*			
AW139	*			
AW189	*			
AW169	*			

NOTES:

**Available upon request*
***The attending students will be trained as a class. For the sake of clarity, the total number of hours included in the table above shall be performed for this course, independently from the number of attending students.*

N596LF
LIFE FLIGHT
NETWORK

FAA TRAINING COURSES

106 FAA TYPE RATING

108 FAA RECURRENT

109 S.I.C. (SECOND IN COMMAND)

110 UPGRADE TO FULL RATING FOR PILOT IN POSSESSION OF A SIC ONLY

112 AW169 INITIAL TRAINING COURSE

112 AW169 ATP/INITIAL TRAINING COURSE

113 AW169 RECURRENT TRAINING

FAA TYPE RATING

The following pages present the FAA training courses that the market most frequently demands, however they are not all the products and services inside the Leonardo S.p.a. Helicopters Training Academy capabilities.
Other FAA training courses that the Leonardo S.p.a. Helicopters Training Academy is capable to provide are (not exhaustive list):

- **Foreign License Holder Type Rating Training**
- **ATP Prior Experience Type Rating Training**
- **MP to SP Bridge Training**
- **LOFT Training**
- **Instructor Training**
- **Training Center Evaluator Training**

FAA TYPE RATING

Approval	FAA Part 142
Certificate	Certificate of Training Successfully Passed i.a.w. FAA regulation
Scope of Training	The scope of this course is to provide FAA licensed pilots with fundamental skills and knowledge in order to be able to act as pilot in command or co-pilot on the specific helicopter model.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Hold at least a valid FAA Private Certificate with Instrument privileges, Rotorcraft-Helicopter, OR • Hold either a foreign airline transport pilot license with instrument privileges, or a foreign commercial pilot license with an instrument rating, issued by a contracting State to the Convention on International Civil Aviation that contains no geographical limitations. This will also require: • A Verification Letter from the FAA's Airmen Certification Branch AFS-760 valid until the completion of the planned qualification event (check ride) or a US private pilot certificate based on a foreign license, and • Proof of having passed the appropriate FAA Written Knowledge Test within the preceding 24 calendar month before the completion of the planned qualification event (check ride), and • Hold a valid foreign medical certificate. • English proficient or at least English level 4 (ICAO level 4) on the foreign license. • Non-US citizens must obtain TSA (Category 1 or 2) approval prior receiving instruction in the flight simulator (FFS). • Attending pilots wanting to obtain an ATP certificate, must also meet the following requirements of FAR Part 61, Subpart G: • §61.153 (a),(b),(c),(d),(f),(g),(h),(i) - Eligibility Requirements • §61.157 (a),(b),(d),(e)(4) - Flight Proficiency • §61.161 - Aeronautical Experience *NOTE 1: For the applicants that don't meet the experience requirements of Part 61.64 (a),(d),(f),(g) the type will be subject to PIC limitations (Supervised Operating Experience - SOE).* *NOTE 2: If the applicant is applying based solely on the completion of the training and a practical test in a simulator, then a FAA medical certificate is not required. In order to exercise the privileges of a U.S. Airmen certificate, the pilot must hold an appropriate medical certificate.*

Training Content

FAA TYPE RATING COURSES								
MODEL	P/N	GROUND	OTD	FFS		HELICOPTER		QUALIFICATION*
				VFR	IFR	VFR	IFR	
AW139	30-T-O15-PAW	60	6	12	10			3
AW189	80-T-L56-PAW	72	6	12	10			3

NOTES:

** If the applicant wishes to achieve the certificate without the "SIC required" limitation it is necessary to perform the training segment of the MP to SP course before the qualification segment. In this case both courses qualification segments will be embedded into a single event at the end of the training segments and the total length will be of at least 3.0 hrs.*

FAA RECURRENT

Approval	FAA Part 142
Certificate	Certificate of Training Successfully Passed i.a.w. FAA regulation
Scope of Training	The scope of this course is to provide FAA licensed pilots with the knowledge and skills necessary to refresh theoretical and practical subjects as pilot in command or co-pilot of a specific helicopter.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Hold at least a valid FAA private certificate with Instrument privileges, Rotorcraft-Helicopter, with the Type Rating on the applicable helicopter model (PIC or SIC, as appropriate). • English proficient. • Non US citizens must obtain TSA (category 4) approval prior receiving instruction in the flight simulator (FFS).
Training Content	The course is made of 4 parts or segments: • SEGMENT 1: This segment consists of ground instruction to allow the attending pilots to refresh their knowledge of the helicopter's structure and its systems. • SEGMENT 2 & 3: This segment includes a review of normal flight maneuvers and emergency procedures in VFR and IFR Conditions. • SEGMENT 4: Qualification Segment

FAA RECURRENT					
MODEL	P/N	GROUND	OTD	FFS	QUALIFICATION*
AW139	30-T-J88-PAW	2 days		4	3
AW189	80-T-L57-PAW	2 days		4	3

NOTES:

** If the applicant wishes to achieve the certificate without the "SIC required" limitation it is necessary to perform the training segment of the MP to SP course before the qualification segment. In this case both courses qualification segments will be embedded into a single event at the end of the training segments and the total length will be of at least 3.0 hrs.*
For "SIC Only" type rated pilots, successful completion of the Ground Training and the Simulator Training Segments with an average or above performance evaluation constitutes successfully completion of the course and therefore the Qualification Segment is not required.

S.I.C. (SECOND IN COMMAND)

Approval	FAA Part 142
Certificate	Certificate of Training Successfully Passed i.a.w. FAA regulation
Scope of Training	The scope of this course is to enable a Pilot to achieve the Qualification as Second In Command–SIC
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Hold at least a valid FAA Private Certificate with Instrument privileges, Rotorcraft-Helicopter • English proficient. • Non US citizens must obtain TSA (category 1 or 2) approval prior receiving instruction in the flight simulator. • Proof of one take-off and one landing in the actual helicopter (CFR 14 Part 61.55 (j)) before the Qualification Segment. *NOTES:* *If the applicant doesn't meet the above requirement within 12 months preceding the month of the QUALIFICATION SEGMENT then the TCE will not be able to issue the Temporary Certificate Form 8060-4.* *In this case the applicant must appear in person, within 12 calendar months from the completion of the training, at a FAA Flight Standards District Office with his/her logbook/training records, including the one take-off and landing in the actual helicopter (CFR 14 Part 61.55 (j)), and with the completed and signed FAA Form 8710-1.* *If the applicant is applying based solely on the completion of the training and a practical test in a simulator, then a FAA medical certificate is not required. In order to exercise the privileges of a U.S. Airmen certificate, the pilot must hold an appropriate medical certificate.*
Training Content	The course is made of 4 parts or segments: SEGMENT 1: This segment provides the student with a theoretical knowledge of the helicopter's systems, characteristics and procedures. SEGMENT 2 & 3: During this segment the student will be instructed on the basic use of the helicopter and its systems, performing normal, abnormal and emergency procedures. The in VFR and IFR conditions. SEGMENT 4: Qualification Segment. *NOTES:* *If the applicant does not meet the requirement of one take-off and one landing performed in the actual helicopter (CFR 14 Part 61.55 (j)) within 12 months preceding the month of the Qualification Segment then the TCE will not be able to issue the Temporary Certificate Form 8060-4. In this case the applicant must appear in person, within 12 calendar months from the completion of the training, at a FAA Flight Standards District Office with his/her logbook/training records, including the one take-off and landing in the actual helicopter (CFR 14 Part 61.55 (j)), and with the completed and signed FAA Form 8710-1.*

SIC TYPE RATING COURSES								
MODEL	P/N	GROUND	OTD	FFS		HELICOPTER		QUALIFICATION
				VFR	IFR	VFR	IFR	
AW139	30-T-L91-PAW	30		4	4			1h Certification Procedure (on Ground)
AW189	80-T-O27-PAW	30		4	4			1h Certification Procedure (on Ground)

UPGRADE TRAINING FROM SIC TO PIC

Approval	FAA Part 142
Certificate	Certificate of Training Successfully Passed i.a.w. FAA regulation
Scope of Training	The scope of this course is to complete PIC flight training in order to remove the "SIC privileges Only"

Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements:
	
	• Hold at least a valid FAA Private Certificate with Instrument privileges, Rotorcraft-Helicopter with a current AB/AW139 "SIC privileges only" Type Rating
	• Having achieved the AB/AW139 SIC rating with Leonardo Helicopters (LH) TCO course AWTA. F7, or
	  • Having performed the last AB/AW139 SIC recurrent training within LH TCO, course AWTA. F2, or
	  • Demonstrate to have achieved the AB/AW139 SIC rating in another training organization that meets a level of training equivalent to the LH TCO course AWTA.F7 at the discretion of the LH TCO Head of Training.
	• Failing to meet these requirements will entitle only to attend the full initial type rating course (AWTA.F1).
	• Have logged at least 300 FH total time on the AB/AW139 helicopter, of which 50 FH in the last 12 months.
	• English proficient.
	• Non-US citizens must obtain TSA (category 4) approval prior receiving instruction in the flight simulator (FFS).
	• Attending pilots wanting to obtain an ATP certificate, must meet the following requirements of FAR Part 61, Subpart G:
	• Proof of having passed the appropriate FAA Written Knowledge Test within the preceding 24 calendar month before the completion of the planned qualification event (check ride)
	  • §61.153 (a),(b),(c),(d),(f),(g),(h),(i)-Eligibility Requirements
	  • §61.157 (a),(b),(d),(e)(4)-Flight Proficiency
	  • §61.161-Aeronautical Experience
	
	NOTE 1: For the applicants that don't meet the experience requirements of Part 61.64(d) the type will be subject to PIC limitations (Supervised Operating Experience-SOE).
	
	NOTE 2: If the applicant is applying based solely on the completion of the training and a practical test in a simulator, then a FAA medical certificate is not required. In order to exercise the privileges of a U.S. Airmen certificate, the pilot must hold an appropriate medical certificate.

Training Content	The course is divided in 4 parts, or segments: • SEGMENT 1: The main objective of this segment is to provide the student with a thorough review of the helicopter's systems and procedures. • SEGMENT 2 & 3: During this segment the student will be instructed on the basic use of the helicopter and its systems, performing normal, abnormal and emergency procedures. The in VFR and IFR conditions. • SEGMENT 4: Qualification Segment.

UPGRADE TRAINING FROM SIC TO PIC								
MODEL	P/N	GROUND	OTD	FFS		HELICOPTER		QUALIFICATION
				VFR	IFR	VFR	IFR	
AW139	30-T-M50-PAW	18		4	6			3
AW189	80-T-O26-PAW	24		4	4			3

AW169 INITIAL TRAINING COURSE

Training Content

FAA TYPE RATING COURSES								
MODEL	P/N	GROUND	OTD	FFS		HELICOPTER		QUALIFICATION***
				VFR	IFR	VFR	IFR	
AW169	60-T-U56-PAW	60	4*	8	6**			2

NOTES:

** The OTD may be accomplished as applicable and in either crew composition and do not constitute training credit toward the qualification of the course*

***This segment shall be attended only by applicants that hold an Instrument Helicopter Rating*

**** Within 7 days from the completion of the "Simulator Training Segment", a Aircraft Qualification Evaluation shall be completed in the FFS in accordance with the FAA-S-8081-20 Airline Transport Pilot and Aircraft ATP/Type Rating Practical Test Standards for Helicopters.*
The Aircraft Qualification Evaluation is conducted in Single Pilot environment (SP).
For the ones that attend only VFR part of FFS, the test covers only the VFR applicable items and the scheduled time for the simulator portion of this Segment is 1.0 hr.
For the ones that attend both VFR and IFR Part of FFS, the scheduled time for the simulator portion of this Segment is 2.0 hrs.
it will be administered by one of Leonardo's current, FAA approved, AW169 Training Center Evaluators or FAA TCPM, or his/her representative.

AW169 ATP/INITIAL TRAINING COURSE

Training Content

FAA TYPE RATING COURSES								
MODEL	P/N	GROUND	OTD	FFS		HELICOPTER		QUALIFICATION**
				VFR	IFR	VFR	IFR	
AW169	60-T-U57-PAW	60	4*	8	8			3

NOTES:

** The OTD may be accomplished as applicable and in either crew composition and do not constitute training credit toward the qualification of the course*
*** Within 7 days from the completion of both VFR and IFR "Simulator Training Segment", an ATP Practical Test shall be completed in the AW169 FFS in accordance with the FAA-S-8081-20 Airline Transport Pilot Practical Test Standards for Helicopters. (Reference CFR 142.13(b)).*
An application FAA Form 8710-1 will need to be submitted and the "Qualification Segment" shall be used for ATP Rotorcraft-Helicopter Certification of that Applicant (FAR 61.157(a))
The Practical Test is conducted in Single Pilot environment (SP)
The scheduled time for the simulator portion of this segment is 3.0 hrs.
It will be administered by one of Leonardo's current, FAA approved, AW169 Training Center Evaluators with Certification Authority or FAA TCPM, or his/her representative, as per the current ATP Rotorcraft-Helicopter Practical Test Standards

The ATP Practical Test QUALIFICATION SEGMENT of this course cannot be accomplished as progressive checking.

The validity of the Verification Letter and of the FAA Written Knowledge Test are to be considered in relation to the completion of the planned qualification event (Practical Test).

AW169 RECURRENT TRAINING

Training Content

FAA TYPE RATING COURSES								
MODEL	P/N	GROUND	OTD	FFS		HELICOPTER		QUALIFICATION***
				VFR	IFR	VFR	IFR	
AW169	60-T-U60-PAW	12		2	2*			2

NOTES:

** This segment shall be attended only by applicants that hold an Instrument Helicopter Rating*
*** Within 7 days from the completion of the "Simulator Training Segment", a Aircraft Recurrent Qualification Evaluation shall be completed in the FFS in accordance with the FAA-S-8081-20 Airline Transport Pilot and Aircraft ATP/Type Rating Practical Test Standards for Helicopters. The Aircraft Recurrent Qualification Evaluation is conducted in Single Pilot environment (SP).*
For the ones that attend only segment VFR the test covers only the VFR applicable items and the scheduled time for the simulator portion of this Segment is 1.0 hr.
For the ones that attend both segment VFR and IFR the scheduled time for the simulator portion of this Segment is 2.0 hrs.
It will be administered by one of Leonardo's current, FAA approved, AW169 Training Center Evaluators or FAA TCPM, or his/her representative.

The QUALIFICATION SEGMENT of this course cannot be accomplished as progressive checking.

Despite using as a reference the FAA-S-8081-20 Airline Transport Pilot and Aircraft ATP/Type Rating Practical Test Standards for Helicopters, during the Qualification Segment only 1 Precison and 1 Non Precision Approach are tested at the description of the TCE.

BASIC COURSES

116 FIRST MULTI-ENGINE TURBINE COURSE (MET)

116 GLASS COCKPIT AND AUTOMATION TRANSITION COURSE

117 NIGHT QUALIFICATION(H)

118 BASIC TRAINING – PPL(H)

118 BASIC TRAINING – CPL(H) MODULAR COURSE

120 MULTI ENGINE INSTRUMENT RATING (H)

122 MCC STANDALONE COURSE – VFR/IFR

123 UPRT - UPSET PREVENTION AND RECOVERY TRAINING

INTRODUCTION:
The tranining courses included in this section are not all the Basic Courses within Leonardo Training Academy's capabilities. You will find enclosed only the courses that the market most frequently demands. In particular, Leonardo Training Academy is also available to provide ATPL Course and other P-66 modules on request.

FIRST MULTI-ENGINE TURBINE COURSE (MET)

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The scope of this course is to provide attending pilots with the theoretical knowledge necessary to achieve the first type rating for a multi-engine turbine helicopter.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be 16 Year old before the first Solo Flight • Be 17 Year old (minimum for license achievement) • Be Current Class 2 Medical Certificate • Have a good English language knowledge both written and spoken
Training Content	This theoretical course will allow the student to attend an "ab-initio" IR training course and/or attend the first VFR/IR Type Rating on a multiengine turbine helicopter.

FIRST MULTI-ENGINE TURBINE COURSE					
MODEL	P/N	GROUND	OTD	FFS	QUALIFICATION*
All	AA-T-351-PAW	30			

NOTE:
The course included in the above table may be subjected to revisions. For this reason, the content and duration of the training provided will be the applicable and valid ones at the moment of training delivery

GLASS COCKPIT AND AUTOMATION TRANSITION COURSE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The scope of this course is to provide attending students with an initial approach to Glass Cockpit technology introduced in the last generation helicopters.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be in possession of a valid PPL(H), CPL(H) or ATPL(H) • Hold a current flying medical certificate • Have a good knowledge of the English language both written and spoken

Training Content	The course includes typical Glass Cockpit layouts, Warning, Caution and Advisory messages visualisation, FMS typical display/pages including Communication and Navigation management.

GLASS COCKPIT AND AUTOMATION TRANSITION COURSE					
MODEL	P/N	GROUND	OTD	FFS	HELICOPTER
A109LUH	AA-T-M20-PAW*	9			
AW109SP					
AW109S Trekker					
AW139					
AW189					
AW169					

NOTES:
This course is available for the A109S Trekker helicopter model as well. Content and duration of the applicable training programme will be the ones valid at the moment of training delivery.
**The content and duration included in the above table are applicable only when the course is embedded within the Type Rating Course. For the «stand alone» option, the course composition is: 9 hrs Ground + 4 hrs OTD*

NIGHT QUALIFICATION (H)

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The scope of this course is to qualify the attending pilots to exercise the privileges of their license at night.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be in possession of a valid PPL(H), CPL(H) or ATPL(H) • Hold a current flying medical certificate • Have a good knowledge of the English language both written and spoken (Part-FCL level 4: Operational) • Have completed 100 hours of flight time as pilot of helicopters after the issue of the license, including at least: • 60 hours as PIC • 20 hours of cross-country flight
Training Class Size	The standard class size is 4 students.
Training Content	Leonardo Training Academy ATO has produced a program of theoretical knowledge instructions based on a total of 5 hours, covering all the disciplines, with a total of lessons depending on the complexity of the arguments presented, followed by a practical portion on a Single Engine Turbine helicopter as detailed in the table here below:

NIGHT QUALIFICATION					
MODEL	GROUND	OTD	FFS	HELICOPTER	SKILL TEST
All	5			15	0,5

BASIC TRAINING – PPL(H)

Approval	TA Specification
Certificate	Certificate of Training Successfully Passed
Scope of Training	The scope of this course is to train the student pilot to fly safely and efficiently under Visual Flight Rules (VFR).
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be 16 years old before the first Solo flight • Be 17 years old (minimum for license achievement) • Be in possession of a Current Class 2 Medical Certificate • Have a good knowledge of the English language both written and spoken
Training Class Size	The standard class size is 4 students.
Training Content	The Leonardo Training Academy ATO has produced a program of theoretical knowledge instructions based on a total of 100 hours, covering all the disciplines, with a total of lessons depending on the complexity of the arguments presented, followed by a practical portion on a Single Engine Turbine helicopter as detailed in the table here below: PPL(H) THEORETICAL INSTRUCTION: 100 hrs* HELICOPTER: 50 hrs ** SKILL TEST (H/C): 1 hr *NOTES:* ** Excluding mission ground and Qualifying Examinations* *** Excluding Night Qualification and Qualifying Test.* *Subject to any other conditions in Part-FCL, an applicant shall be deemed to have successfully completed the theoretical examinations for the PPL(H) when awarded a pass in all parts within a period of 18 months. A pass in the theoretical knowledge examination will be accepted for the grant of the private pilot license during the 24 months from the date of successfully completing the examinations.*

BASIC TRAINING – CPL(H) MODULAR COURSE

Approval	Part FCL
Certificate	Certificate of Training Successfully Passed
Scope of Training	The scope of this course is to train pilots to the level of proficiency necessary to enable them to be eligible for the issue of a CPL(H).

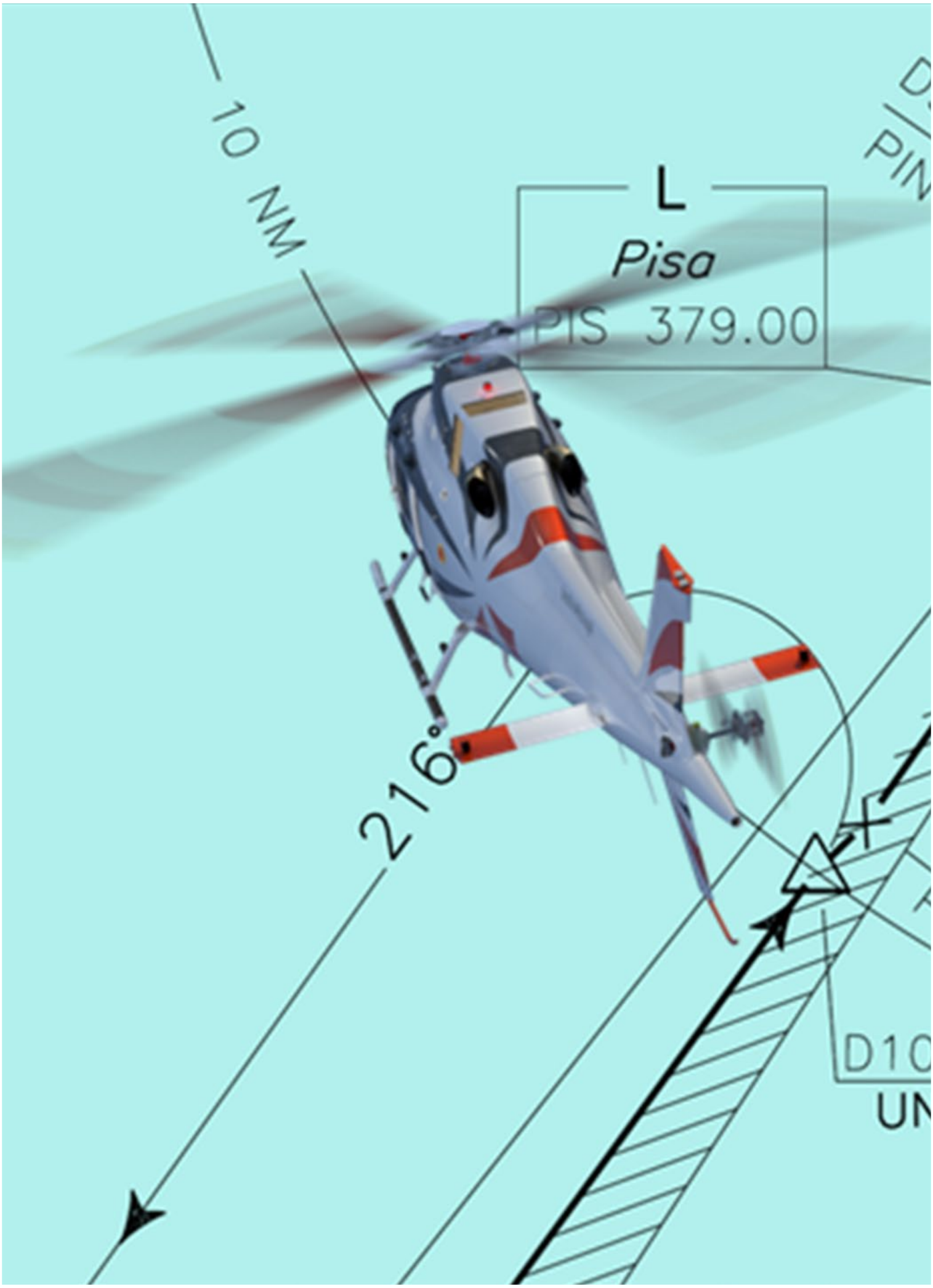
Admission Requirements	In order to be admitted to this course, an attending student shall: • Be the holder of a valid PPL(H) issued in accordance with Annex 1 to the Chicago Convention. Before commencing the flight training the applicant shall: (a) Have completed 155 hours flight time as a pilot in helicopters, including 50 hours as PIC of which 10 hours shall be cross-country; (b) Have complied with FCL.725 and FCL.720.H if a multi-engine helicopter is to be used on the skill test: • **Multi-pilot helicopters.** An applicant for the first type rating course for a multi-pilot helicopter type shall: (1) Have at least 70 hours as PIC on helicopters (2) Except when the type rating course is combined with an MCC course: 1. Hold a certificate of satisfactory completion of an MCC course in helicopters or 2. Have at least 500 hours as a pilot on multi-pilot airplanes or 3. Have at least 500 hours as a pilot in multi-pilot operations on multi-engine helicopters (3) Have passed the ATPL(H) theoretical knowledge examinations
Approval	Part FCL
Certificate	Certificate of Training Successfully Passed
Scope of Training	The scope of this course is to train pilots to the level of proficiency necessary to enable them to be eligible for the issue of a CPL(H). • **Single-pilot multi-engine helicopters.** An applicant for the issue of a first type rating for a single-pilot multi-engine helicopter shall: (1) Before starting flight training: 1. Have passed the ATPL(H) theoretical knowledge examinations or 2. Hold a certificate of completion of a pre-entry course conducted by an ATO (2) In the case of applicants who have not completed an ATP(H)/IR, ATP(H), or CPL(H)/IR integrated training course, have completed at least 70 hours as PIC on helicopters (c) Hold a valid Class 1 medical certificate (before starting practical training) (d) Be at least 18 years of age (e) Have a sufficient knowledge of Mathematics and Physics, to facilitate an understanding of the theoretical knowledge instruction content of the course, and (f) Have a sufficient knowledge of English language that must at least determine the ability to understand and express in technical English and of the scientific matters is checked by the Head of Training or his delegate
Training Content	The Leonardo Training Academy ATO has produced a program of theoretical knowledge instructions based on a total of 252 hours, covering all the disciplines, with a total of lessons depending on the complexity of the arguments presented, followed by a practical portion on Single and Multi-Engine Turbine helicopters as detailed in the table here below: CPL(H) THEORETICAL INSTRUCTION: 200 hrs* HELICOPTER: 30 hrs * SKILL TEST (H/C): 1 hr *NOTES:* ** Excluding Night Qualification* *The CPL modular course should last 18 months. This period may be extended where additional training is provided by the ATO. The flight instruction and skill test need to be completed within the period of validity of the pass in the theoretical examinations. An applicant to an CPL(H) modular course shall complete all the instructional stages in one continuous approved course of training as arranged by ATO.*

MULTI ENGINE INSTRUMENT RATING (H)

Approval	Part FCL
Certificate	Certificate of Training Successfully Passed
Scope of Training	The scope of this course is to train pilots to the level of proficiency necessary to operate helicopters under IFR and in IMC in accordance with ICAO PANS-OPS Document 8168. At the end of the training course the attending Pilot must be able to pilot the relevant helicopter completely safely and carry out the IR procedures specified for emergencies and malfunctions in a skilful manner.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Current Class 1 (for CPL(H) or ATPL(H)) or Class 2 (for PPL(H)) Medical Certificate; • Satisfy all of the psychological and physical requirements for the holding license • Have a good English knowledge both written and spoken (Part-FCL Level 4: Operational) • Attend a Type Rating training course VFR and/or IR • Hold a valid PPL(H) license including a night qualification (issued in accordance with FCL.810(b)), or • Hold a valid CPL(H) or ATPL(H) license including a night qualification (issued in accordance with ICAO Annex 1); • Have completed at least 50 hours cross-country flight time as pilot-in-command in helicopters or airplanes of which at least 10 hours shall be in helicopters; *NOTE: An applicant who has satisfactorily followed and completed an integrated flying training course as ATP(H)/IR, ATPL(H), CPL(H)/IR or CPL(H) shall be exempt from the 50 hours requirement.* Hold the type rating on the Helicopter used for the IR(H) skill test, or have completed approved type rating training on that type; Have a basic knowledge of mathematic and physic; Hold a certificate of satisfactory MCC course, if the skill test is to be conducted in Multi-Pilot condition The Leonardo Training Academy ATO will evaluate that before being admitted to the course the applicant has sufficient knowledge of Mathematics, Physics, and English language to facilitate an understanding of the theoretical knowledge instruction content of the course. This evaluation will be done by pre-entry test.
Training Class Size	The standard class size is 4 students.
Training Content	The Leonardo Training Academy ATO has produced a program of theoretical knowledge instructions based on a total of 200 hours, covering all the disciplines, with a total of lessons depending on the complexity of the arguments presented followed by a practical portion on a Synthetic Training Device (FTD Level III) and by a final activity on a Multi-Engine Turbine helicopter as detailed in the table here below:

Multi Engine Instrument Rating (H)			
THEORETICAL INSTRUCTION	FSTD	HELICOPTER	SKILL TEST (H/C)
150 hrs*	40 hrs	15 hrs	1,5 hrs

NOTES:
** Excluding Night Qualification.*
The course of theoretical instruction shall be completed within 18 months. The flight instruction and the skill test shall be completed during the 36 months from the date of first gaining a Pass or Partial Pass in the required examinations.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MCC STANDALONE COURSE – VFR/IFR

Approval	Part FCL
Certificate	Certificate of Training Attended
Scope of Training	Scope of the MCC training course is to enable the Pilot to achieve the qualification to operate in Multi-crew environments. The training course will prepare the attending pilot to operate safely and efficiently as part of a multi-pilot helicopter flight crew in normal, abnormal and emergency conditions. The course can be either VFR only, or both VFR and IFR.
Admission Requirements	In order to be admitted to this course, the attending students must: • Hold a Helicopter Pilot's license. • Have a good knowledge of the English language both written and spoken • Hold a current medical flying category • Satisfy all of the psychological and physical requirements
Training Content	

MCC Standalone Course							
MODEL	P/N	GROUND	OTD	FFS(*)		HELICOPTER	SKILL TEST
				VFR	IFR		
All	AA-T-X15-PAW	3 days		PF	PM		
				10	11		

** In case of single candidate an instructor must be allocated as second crewmember.*

UPRT (UPSET PREVENTION AND RECOVERY TRAINING) COURSE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The aim of this course is for the pilot under training: • To understand how to cope with the physiological and psychological aspects of dynamic upsets in • aircrafts; and • To recognize and confirm the upset situation, and • To develop the necessary competence and resilience to be able to apply appropriate recovery techniques during upsets, and • To achieve competence in applying prevention and recovery techniques.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Hold a Helicopter Pilot's license (civil and\or military equivalent); • Be in possession of a good English language knowledge both written and spoken in order to be able of reading and understanding the official maintenance documentation, and have the ability to write and communicate in comprehensive English, to prevent any misunderstanding
Training Content	

UPRT*					
MODEL	GROUND	OTD	AIRCRAFT	FFS**	SKILL TEST
AW109E	6		1,5	2	
AW139					
AW169					
AW189					

NOTES:
** Times for A/C (Marchetti SF260) and FFS modules do not include time for briefing and debriefing.*
*** In the case trainee does not hold a valid type on one of Leonardo fleet listed in this programme, he/she might be enrolled anyway and it will be conducted in non-type-specific flight simulator. Non-Type specific certificate will be issued on course completion unless the pilot is type rated on the FFS type.*

DANGER
KEEP AWAY

TECHNICIAN COURSES

126 AIRFRAME MAINTENANCE TYPE TRAINING B1.3 THEORETICAL ELEMENTS

127 AIRFRAME MAINTENANCE TYPE TRAINING B1.3 PRACTICAL ELEMENTS

128 AVIONIC MAINTENANCE TYPE TRAINING B2 THEORETICAL ELEMENTS

129 AVIONIC MAINTENANCE TYPE TRAINING B2 PRACTICAL ELEMENTS

130 AIRFRAME AND AVIONIC MAINTENANCE TYPE TRAINING B1/B2 THEORETICAL ELEMENTS

131 AIRFRAME AND AVIONIC MAINTENANCE TYPE TRAINING B1/B2 PRACTICAL ELEMENTS

132 AIRFRAME & AVIONIC SYSTEM MAINTENANCE REFRESHER TRAINING COURSES – THEORETICAL ELEMENTS

133 AW139 EPIC PHASE 7 TO PHASE 8 KIT COURSE - THEORETICAL ELEMENTS

133 AW189 TO AW189K DIFFERENCES TYPE TRAINING COURSE B1.3 - THEORETICAL AND PRACTICAL ELEMENTS

134 AW189 TO AW189K DIFFERENCES TYPE TRAINING COURSE B2 - THEORETICAL AND PRACTICAL ELEMENTS

135 GENERAL FAMILIARIZATION COURSE CAT. C

136 MECHANICAL PRE- ENTRY COURSE

136 AVIONIC PRE-ENTRY COURSE

137 STRUCTURAL REPAIR TRAINING COURSE

138 MAIN AND TAIL ROTOR BLADE MINOR REPAIR TRAINING COURSE

139 MDS/HUMS LEGACY

139 MDS/HUMS REFRESHER

140 RESCUE HOIST ‘O’ - LEVEL MAINTENANCE COURSE

141 FLOAT & RAFT MAINTENANCE COURSE

142 MODULE 9 – HUMAN FACTORS

142 MODULE 10 – AVIATION LEGISLATION

AIRFRAME MAINTENANCE TYPE TRAINING B1.3 THEORETICAL ELEMENTS

Approval	EASA Part-147
Certificate	Certificate of Recognition
Scope of Training	To provide the attending technician with a detailed theoretical understanding of the helicopter model airframe systems, their operations and maintenance, components replacement procedures, use of technical literature and Interactive Electronic Technical Publications (IETP).
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be in possession of a current Part 66 Aircraft Maintenance License (Category B1.3 Helicopters Turbine) or equivalent civil/military recognition document issued by the applicable National Authority and/or Regulatory Agency • Be in possession of a good command of the English language (ICAO Level 3 as a minimum within EASA environment). • A qualification on existing twin engine helicopter models (or single-engine as applicable for training on single-engine helicopters) with at least a 2.5-year experience in turbine powered helicopter maintenance is recommended During the course, the trainee will perform intermediate and final written examination in compliance with PART 147 requirements.
Training Content	

AIRFRAME MAINTENANCE TYPE TRAINING COURSE B1.3
-THEORETICAL ELEMENTS-

MODEL	P/N	GROUND	MTS	HELICOPTER
A119Series	1E-T-F60-TAW	90		
AW109E/S/SP	ES-T-089-TAW	120		
A109S (Trekker Kit)	0T-T-I36-TAW	102		
AW139	30-T-096-TAW	120		
AW189	80-T-155-TAW	120		
AW169	60-T-B82-TAW	120		

NOTES:
**Available upon request*

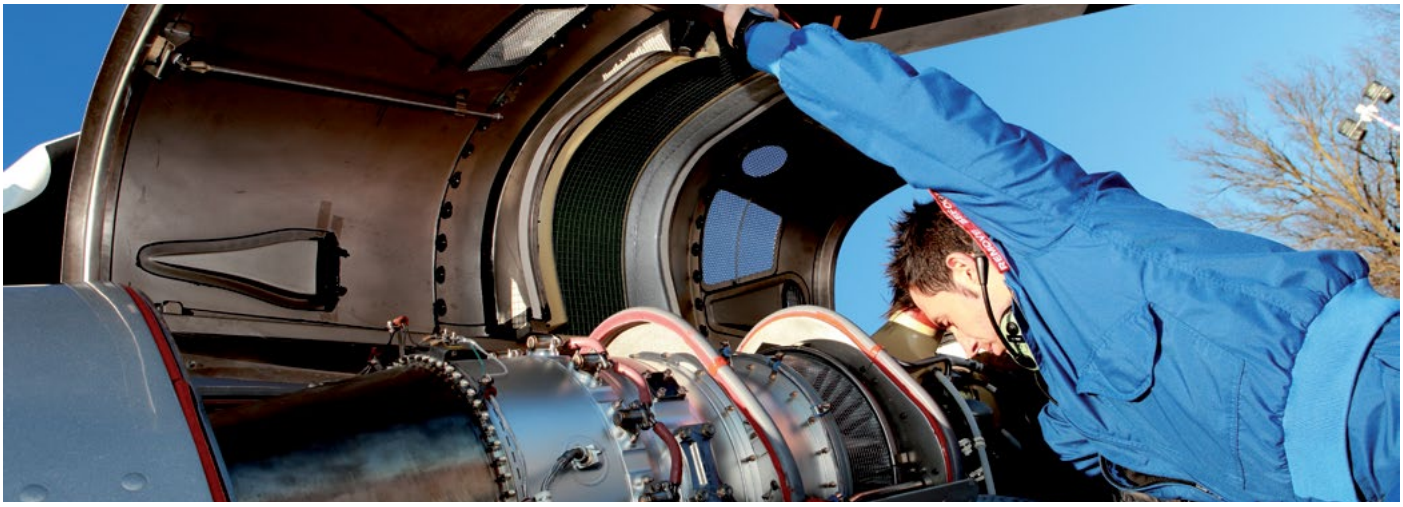
AIRFRAME MAINTENANCE TYPE TRAINING B1.3 PRACTICAL ELEMENTS

Approval	EASA Part-147
Certificate	Certificate of Recognition
Scope of Training	To provide the attending technician with practical skills of the helicopter model airframe systems required to ensure safe performance of maintenance, inspections and routine work on the helicopter according to the Maintenance Manual.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be in possession of a current Part 66 Aircraft Maintenance License (Category B1.3 Helicopters Turbine) or equivalent civil/military recognition document issued by the applicable National Authority and/or Regulatory Agency • Be in possession of a good command of the English language (ICAO Level 3 as a minimum within EASA environment). • A qualification on existing twin engine helicopter models (or single-engine as applicable for training on single-engine helicopters) with at least a 2.5-year experience in turbine powered helicopter maintenance is recommended • Have completed and successfully passed the Airframe Maintenance Type Training B1.3 (Theoretical Elements) for the relevant helicopter model The trainee will perform a final assessment in compliance with PART 147 requirements.
Training Content	

AIRFRAME MAINTENANCE TYPE TRAINING COURSE B1.3
–PRACTICAL ELEMENTS-

MODEL	P/N	GROUND	MTS	HELICOPTER
A119Series	1E-T-B37-TAW		60	
AW109E/S/SP	ES-T-090-TAW		60	
A109S (Trekker Kit)	*		60	
AW139	30-T-097-TAW		60	
AW189	80-T-156-TAW		60	
AW169	60-T-B81-TAW		60	

NOTES:
**Available upon request*



AVIONIC MAINTENANCE TYPE TRAINING B2 THEORETICAL ELEMENTS

Approval	EASA Part-147
Certificate	Certificate of Recognition
Scope of Training	To provide the attending technician with a detailed theoretical understanding of the helicopter model electrical and avionic systems, their operations and maintenance, components replacement procedures, use of technical literature and Interactive Electronic Technical Publications (IETP).
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: Be in possession of a current Part 66 Aircraft Maintenance License (Category B2 Helicopters Turbine) or equivalent civil/military recognition document issued by the applicable National Authority and/or Regulatory Agency Be in possession of a good command of the English language (ICAO Level 3 as a minimum within EASA environment). A qualification on existing twin engine helicopter models (or single-engine as applicable for training on single-engine helicopters) with at least a 2.5-year experience in turbine powered helicopter maintenance is recommended During the course, the trainee will perform intermediate and final practical assessment in compliance with PART 147 requirements.
Training Content	

AVIONIC MAINTENANCE TYPE TRAINING COURSE B2
-THEORETICAL ELEMENTS-

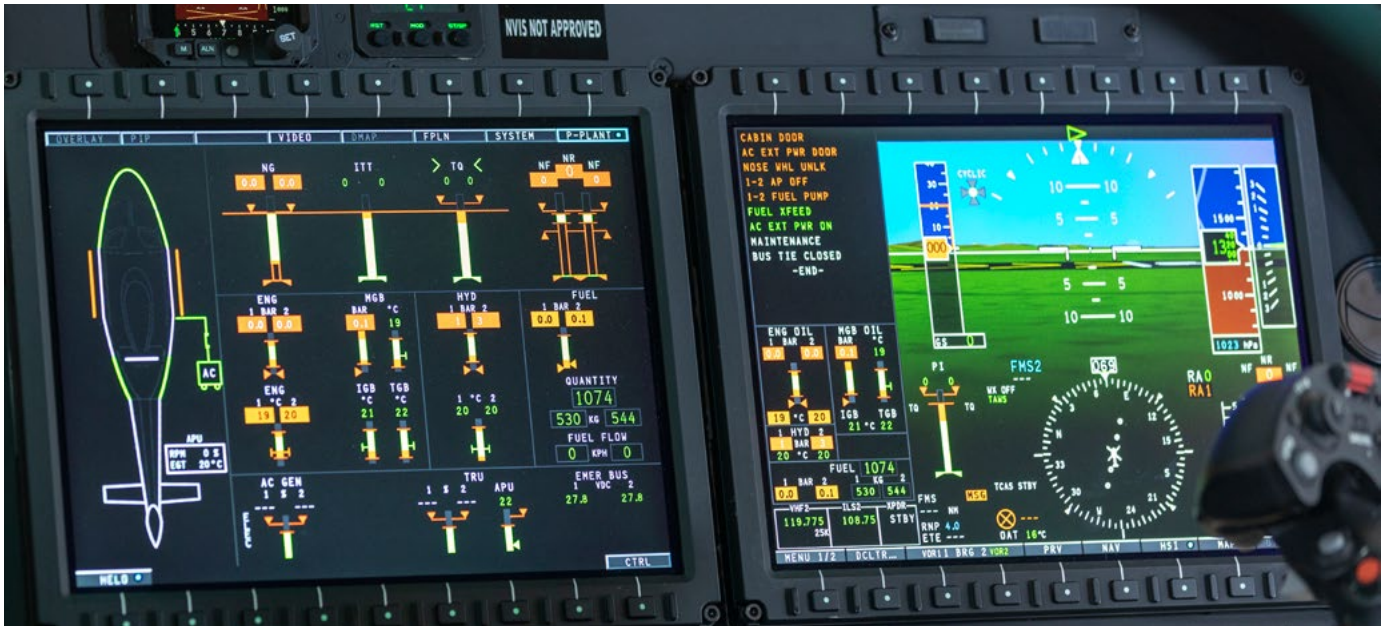
MODEL	P/N	GROUND	MTS	HELICOPTER
A119/AW119MkII	1E-T-437-TAW	70		
AW109E/S/SP	ES-T-092-TAW	120		
A109S (Trekker Kit)	0T-T-I38-TAW	90		
AW139	30-T-294-TAW	120		
AW189	80-T-417-TAW	114		
AW169	60-T-B84-TAW	120		

AVIONIC MAINTENANCE TYPE TRAINING B2 PRACTICAL ELEMENTS

Approval	EASA Part-147
Certificate	Certificate of Recognition
Scope of Training	To provide the attending technician with practical skills of the helicopter model electrical and avionic systems required to ensure safe performance of maintenance, inspections and routine work on the helicopter according to the Maintenance Manual.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be in possession of a current Part 66 Aircraft Maintenance Licence (Category B2 Helicopters Turbine) or equivalent civil/military recognition document issued by the applicable National Authority and/or Regulatory Agency • Be in possession of a good command of the English language (ICAO Level 3 as a minimum within EASA environment). • A qualification on existing twin engine helicopter models (or single-engine as applicable for training on single-engine helicopters) with at least a 2.5-year experience in turbine powered helicopter maintenance is recommended • Have completed and successfully passed the Avionic Maintenance Type Training B2 (Theoretical Elements) for the relevant helicopter model The trainee will perform a final assessment in compliance with PART 147 requirements.
Training Content	

AVIONIC SYSTEM MAINTENANCE TYPE TRAINING COURSE B2
-PRACTICAL ELEMENTS-

MODEL	P/N	GROUND	MTS
A119/AW119MkII	1E-T-C95-TAW		60
AW109E/S/SP	ES-T-093-TAW		60
A109S (Trekker Kit)	0T-T-U30-TAW		60
AW139	30-T-100-TAW		60
AW189	80-T-443-TAW		60
AW169	60-T-B83-TAW		60



AIFRAME AND AVIONIC MAINTENANCE TYPE TRAINING B1/B2 - THEORETICAL ELEMENTS

Approval	EASA Part-147
Certificate	Certificate of Recognition
Scope of Training	To provide the attending technician with a detailed theoretical understanding of the helicopter model airframe and electro-avionics systems, their operations and maintenance, components replacement procedures, use of technical literature and Interactive Electronic Technical Publications (IETP).
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be in possession of a current Part 66 Aircraft Maintenance Licence (Category B1.3 and/or Category B2 - Helicopters Turbine) or equivalent civil/military recognition document issued by the applicable National Authority and/or Regulatory Agency • Be in possession of a good command of the English language (ICAO Level 3 as a minimum within EASA environment). • A qualification on existing twin engine helicopter models (or single-engine as applicable for training on single-engine helicopters) with at least a 2.5-year experience in turbine powered helicopter maintenance is recommended During the course, the trainee will perform intermediate and final written examination in compliance with PART 147 requirements.
Training Content	

AIRFRAME & AVIONIC SYSTEM MAINTENANCE TYPE TRAINING COURSE B1/B2 -THEORETICAL ELEMENT-

MODEL	P/N	GROUND	MTS	HELICOPTER
A119/AW119MkII	1E-T-F11-TAW	94		
AW139	30-T-E89-TAW	150		
AW189	80-T-F13-TAW	150		
AW169	60-T-F15-TAW	148		
AW189K	*	120		

**Available upon request*

AIFRAME AND AVIONIC MAINTENANCE TYPE TRAINING B1/B2 - PRACTICAL ELEMENTS

Approval	EASA Part-147
Certificate	Certificate of Recognition
Scope of Training	To provide the attending technician with a detailed theoretical understanding of the helicopter model airframe and electro-avionics systems, their operations and maintenance, components replacement procedures, use of technical literature and Interactive Electronic Technical Publications (IETP)
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be in possession of a current Part 66 Aircraft Maintenance License (Category B1.3 and/or Category B2 - Helicopters Turbine) or equivalent civil/military recognition document issued by the applicable National Authority and/or Regulatory Agency • Be in possession of a good command of the English language (ICAO Level 3 as a minimum within EASA environment). • A qualification on existing twin engine helicopter models (or single-engine as applicable for training on single-engine helicopters) with at least a 2.5-year experience in turbine powered helicopter maintenance is recommended The trainee will perform a final assessment in compliance with PART 147 requirements.
Training Content	

AIRFRAME & AVIONIC SYSTEM MAINTENANCE TYPE TRAINING COURSE B1/B2 -PRACTICAL ELEMENTS-

MODEL	P/N	GROUND	MTS	HELICOPTER
A119/AW119MkII	*		90	
AW139	30-T-E90-TAW		90	
AW189	80-T-F14-TAW		90	
AW169	60-T-F16-TAW		90	
AW189K	*			60**

**Available upon request*

***To be performed on CST Helo*

AIRFRAME & AVIONIC SYSTEM MAINTENANCE REFRESHER TRAINING COURSES – THEORETICAL ELEMENTS

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The aim of these courses is to provide the attendee with the necessary information about the latest helicopter systems updating, including a general review of the major systems, the most relevant technical publications, updating the most important service bulletin issued during the latest 12 months and helicopter system review. The courses is are tailored on the standard helicopter configuration and do not include troubleshooting.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be in possession of a current Part 66 Aircraft Maintenance License (Category B1.3 and/or Category B2 - Helicopters Turbine) or equivalent civil/military recognition document issued by the applicable National Authority and/or Regulatory Agency • Be in possession of a good command of the English language (ICAO Level 3 as a minimum within EASA environment). • A qualification on existing twin engine helicopter models (or single-engine as applicable for training on single-engine helicopters) with at least a 2.5-year experience in turbine powered helicopter maintenance is recommended • Have completed and successfully passed the Airframe and Avionic Maintenance Type Training B1/B2 (Theoretical Elements and Practical Elements) for the relevant helicopter model.
Training Content	

AIRFRAME & AVIONIC SYSTEM MAINTENANCE REFRESHER TRAINING COURSES –THEORETICAL ELEMENTS*

MODEL	P/N	GROUND	MTS
A109Series	ES-T-U07-TAW	30	
AW139	30-T-U08-TAW	30	
AW189	80-T-U10-TAW	30	
AW169	60-T-U09-TAW	30	

NOTES:
** Refresher Training courses for Airframe (Cat. B1) technicians only and for Avionic (Cat. B2) technicians only are also available at the Training Academy.*

AW139 EPIC PHASE 7 TO PHASE 8 KIT COURSE - THEORETICAL ELEMENTS

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The aim of these courses is to provide the student with theoretical knowledge about the differences between AW139 Phase 7 and Phase 8 EPIC Operating Software.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Have successfully attended the "AW139 Avionic Systems Maintenance Type Training (Cat. B2) – Theoretical and Practical Elements"; • Be in possession of a good command of the English language (ICAO Level 3 as a minimum within EASA environment).
Training Content	

AW139 EPIC PHASE 7 TO PHASE 8 KIT COURSE-THEORETICAL ELEMENTS				
MODEL	P/N	GROUND	MTS	HELICOPTER
AW139	30-T-U78-TAW	2 days		

AW189 TO AW189K DIFFERENCES TYPE TRAINING COURSE B1.3-THEORETICAL AND PRACTICAL ELEMENTS

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The aim of the course is to outline the differences from AW189GE to AW189K. This course is composed of a theoretical part and a practical training delivered on the AW189K Helicopter.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Have successfully attended the AW189K Airframe Maintenance Type Training Course (Cat. B1.3, Engine Included) – Theoretical Elements and Practical Elements; • Be in possession of a good command of the English language (ICAO Level 3 as a minimum within EASA environment).
Training Content	

AW189 TO AW189K DIFFERENCES TYPE TRAINING COURSE B1.3-THEORETICAL AND PRACTICAL ELEMENTS				
MODEL	P/N	GROUND	ON GROUND ON AIRCRAFT	HELICOPTER
AW189K	*	4 days	1 days**	

**available upon request*
***To be performed on CST Helo*

AW189 TO AW189K DIFFERENCES TYPE TRAINING COURSE B2 - THEORETICAL AND PRACTICAL ELEMENTS

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The aim of the course is to outline the differences from AW189GE to AW189K. This course is composed of a theoretical part and a practical training delivered on the AW189K Helicopter.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: The Applicant pilot must: • Have successfully attended the AW189K Avionic Maintenance Type Training Course (Cat. B2, Engine Included) –Theoretical Elements and Practical Elements; • Be in possession of a good command of the English language (ICAO Level 3 as a minimum within EASA environment).
Training Content	

AW189 TO AW189K DIFFERENCES TYPE TRAINING COURSE B2-THEORETICAL AND PRACTICAL ELEMENTS				
MODEL	P/N	GROUND	ON GROUND ON AIRCRAFT	HELICOPTER
AW189K	*	4 days	1 days**	

**available upon request*
***To be performed on CST Helo*

GENERAL FAMILIARIZATION COURSE Cat. C

Approval	TA Specification
Certificate	Certificate of Recognition
Scope of Training	To provide the attending applicant with the operating and maintenance philosophy of the helicopter model along with key features and a description of all the major system.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Have a good English language knowledge both written and spoken in order to be able to read and understand the official maintenance documentation and have the ability to write and communicate in comprehensive English to prevent any misunderstanding
Training Content	

GENERAL FAMILIARIZATION COURSE CAT. C				
MODEL	P/N	GROUND	MTS	HELICOPTER
A119	1E-T-A96-TAW	24		
AW109E/S/SP	ES-T-094-TAW	30		
AW109S (Trekker Kit)	0T-T-P66-TAW	30		
AW139	30-T-101-TAW	30		
AW189	80-T-295-TAW	25		
AW169	60-T-672-TAW	30		

MECHANICAL PRE-ENTRY COURSE

Approval	TA Specification
Certificate	Certificate of Recognition
Scope of Training	The objective of the course is to provide the attending technicians with a basic theoretical and practical coverage of the major aeronautical subject applicable to airframe maintainers including components, procedure and material application.
Admission Requirements	The course is addressed to currently qualified technicians with three years of experience as an active mechanical technician on helicopters. In order to be admitted to this course, an attending student must also satisfy the following requirements: • Have a valid Part-66 Aircraft Maintenance License (Category B1.3–Helicopter Turbine); • Be in possession of a good English language knowledge both written and spoken in order to be able of reading and understanding the official maintenance documentation, and have the ability to write and communicate in comprehensive English, to prevent any misunderstanding
Training Content	A basic coverage of the most common maintenance practices, use of technical literature, use of tools and ground test equipment, repair and assembly techniques. The course is structured into 21 mechanical and procedural chapters, plus one for electrical and avionic familiarization. A practical familiarization is devoted to recognizer the mechanical components, new materials, care and protection, safety, shop tools, repair materials, inspection methods, damage evaluation and repair procedures with the use of AgustaWestland Products Maintenance Manuals.

MECHANICAL PRE-ENTRY COURSE				
MODEL	P/N	GROUND	MTS	HELICOPTER
All	AA-T-085-TAW	60	30	

NOTES:
Content and duration of this training program may be subjected to variations according to the experience and background of the customer.

AVIONIC PRE-ENTRY COURSE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The objective of the course is to provide the attending technicians with a basic theoretical and practical coverage of the major aeronautical subject applicable to avionic/technicians maintainers.
Admission Requirements	The course is addressed to currently qualified technicians with a minimum of three years of experience as an active avionic technician on helicopters. In order to be admitted to this course, an attending student must also satisfy the following requirements: • Have a valid Part-66 Aircraft Maintenance License (Category B2–Helicopter Turbine); • Be in possession of a good English language knowledge both written and spoken in order to be able of reading and understanding the official maintenance documentation, and have the ability to write and communicate in comprehensive English, to prevent any misunderstanding

Training Content	A basic coverage of the most common maintenance practices, use of technical literature, use of tools and ground test equipment, repair and assembly techniques. The course is structured into 26 electrical and avionic chapters plus one for the familiarization on mechanical and structure aspects. A practical familiarization is devoted to recognize components, LRU's, the interface with the computer and the methodologies for installation or update of the software.

AVIONIC PRE-ENTRY COURSE				
MODEL	P/N	GROUND	MTS	HELICOPTER
All	AA-T-K86-TAW	60	30	

NOTES:
Content and duration of this training program may be subjected to variations according to the experience and background of the customer.

STRUCTURAL REPAIR TRAINING COURSE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The objective of the course is to enable the attendee to identify and evaluate for repair, structural areas of the aircraft and carry out the necessary repairs.
Admission Requirements	• The course is addressed to currently qualified technicians with a minimum of three-year experience as an active mechanic on helicopters. • In order to be admitted to this course, an attending student must satisfy the following requirements: • • Be in possession of a good English language knowledge both written and spoken in order to be able of reading and understanding the official maintenance documentation, and have the ability to write and communicate in comprehensive English, to prevent any misunderstanding • • In order to attend this course, an attending student is recommended to satisfy the following requirements: • • Have completed and successfully passed the Airframe Maintenance Type Training B1.3 (Theoretical Elements and Practical Elements) on the relevant helicopter model.
Training Content	The course will assist in typical structural repairs as called out in the AgustaWestland aircraft Maintenance Manuals. Classroom and/or work shop in the following areas will be covered: care and protection, safety, shop tools, repair materials, inspection methods, damage evaluation and repair procedures.

STRUCTURAL REPAIR TRAINING COURSE			
MODEL	P/N	GROUND	MTS
A119	1E-T-C23-TAW	60	
AW109E	0E-T-C42-TAW	60	
AW109S/SP	0S-T-C43-TAW	60	
A139	30-T-556-TAW	60	
AW189 & AW169	AA-T-N22-TAW	60	

MAIN AND TAIL ROTOR BLADE MINOR REPAIR TRAINING COURSE

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The objective of the course is to enable the attendee to identify and evaluate for repair, areas of the main and tail rotor blades and carry out necessary repairs.
Admission Requirements	The course is addressed to currently qualified technicians with three-year experience as an active mechanic on helicopters. In order to be admitted to this course, an attending student must satisfy the following requirements: • Be in possession of a good English language knowledge both written and spoken in order to be able of reading and understanding the official maintenance documentation, and have the ability to write and communicate in comprehensive English, to prevent any misunderstanding In order to attend this course, an attending student is recommended to satisfy the following requirements: • • Have completed and successfully passed the Airframe Maintenance Type Training B1.3 (Theoretical Elements and Practical Elements) on the relevant helicopter model.
Training Content	The course will assist in typical main and tail rotor blade minor repairs as called out in the AgustaWestland aircraft Maintenance Manuals. Classroom and/or work shop in the following areas will be covered: care and protection, safety, shop tools, repair materials, inspection methods, damage evaluation and minor repair procedures.

MAIN AND TAIL ROTOR BLADE MINOR REPAIR TRAINING COURSE				
MODEL	P/N	GROUND	FFS	HELICOPTER
A119	1E-T-C20-TAW	30		
AW109E	ES-T-784-TAW	30		
AW109S/SP	0S-T-868-TAW	30		
AW139	30-T-574-TAW	30		
AW189	80-T-S21-TAW	18		
AW169*				

NOTES:
**Available upon request.*
The duration and content of these courses will be the applicable and valid ones at the moment of training delivery.

MDS/HUMS LEGACY

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The aim of this course is to provide the students with the necessary knowledge and skills to use the on-board part of MDS/HUMS system, to perform data download from helicopter and data upload to the on-ground part of MDS/HUMS system (Heliwise), to manage Heliwise itself and to analyse the downloaded data.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be in possession of a good English language knowledge both written and spoken in order to be able of reading and understanding the official maintenance documentation, and have the ability to write and communicate in comprehensive English, to prevent any misunderstanding
Training Content	Comprehensive coverage of the on-board MDS/HUMS system, its components, their location and principle of operations. The course covers also the Heliwise main functionalities. Data management and analysis are also covered with reference to the IETP.

HUMS On-Board System and On-Ground Maintenance Management Training Course, Theoretical Elements				
MODEL	P/N	GROUND	MTS	HELICOPTER
AW139/AW189/AW169	AA-T-R53-TAW	29		

MDS/HUMS REFRESHER

Approval	TA Specification
Certificate	Certificate of Training Attended
Scope of Training	The aim of this course is to allow the students to refresh their knowledge and skills developed while attending the AW139/169/189 HUMS On-board System and On-Ground Maintenance Management Training course, Theoretical Elements (AA-T-R53-TAW) or an equivalent 5 days course.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be in possession of a good English language knowledge both written and spoken in order to be able of reading and understanding the official maintenance documentation, and have the ability to write and communicate in comprehensive English, to prevent any misunderstanding • Be in possession of a certificate of attendance of course AA-T-R53-TAW, or of an equivalent 5 days course.
Training Content	On-board MDS/HUMS system description. Heliwise main functionalities description. Data management and analysis techniques, with reference to the IETP.

MDS/HUMS REFRESHER TRAINING COURSE, THEORETICAL ELEMENTS				
MODEL	P/N	GROUND	MTS	HELICOPTER
AW139/AW189/AW169	AA-T-83D-TAW	12		

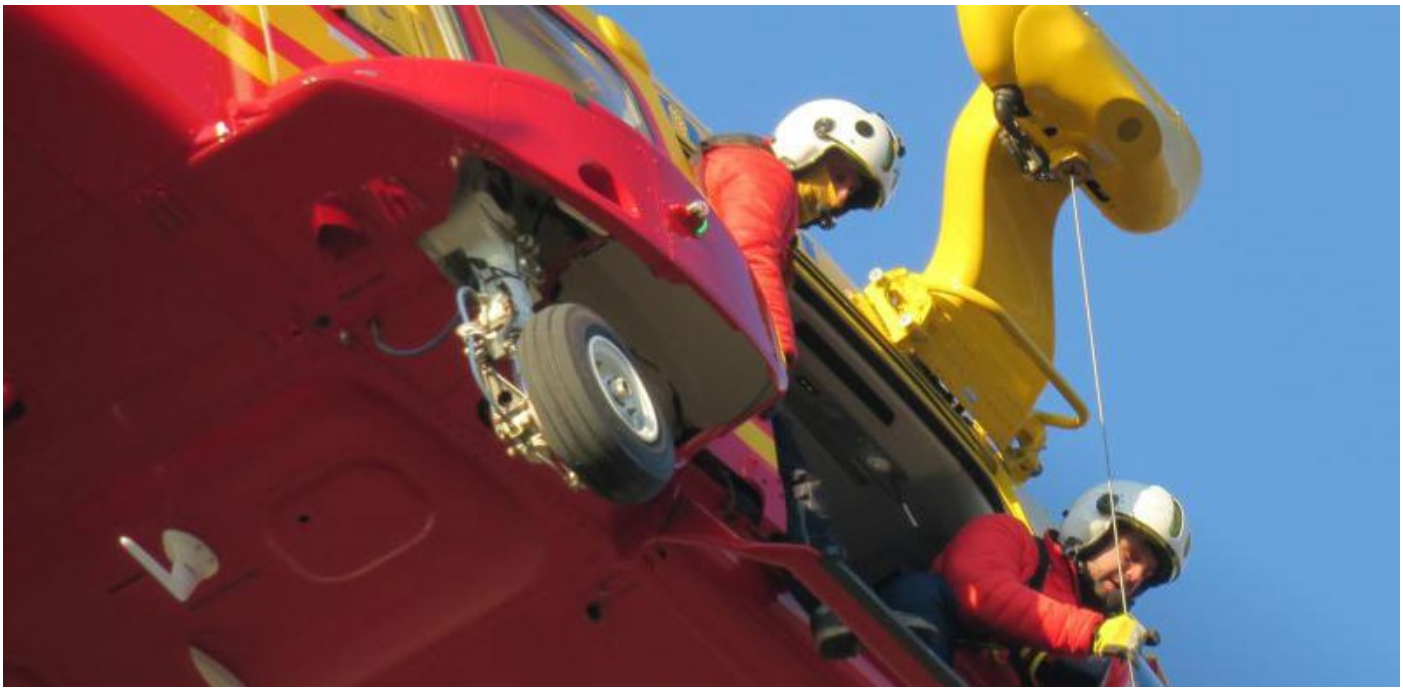
RESCUE HOIST 'O' - LEVEL MAINTENANCE COURSE

Approval	Vendor Course
Certificate	Certificate of Training Attended
Scope of Training	The aimed course is to enable the participants to perform basic maintenance on the Rescue Hoist. The training covers the technical information and maintenance activities that a technician requires to properly maintain the equipment.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be qualified airframe/engine technicians that successfully completed the Airframe Maintenance Type Training Cat. B1.3 (Theoretical and Practical Elements) on the relevant helicopter model. • Be in possession of a good English language knowledge both written and spoken in order to be able of reading and understanding the official maintenance documentation, and have the ability to write and communicate in comprehensive English, to prevent any misunderstanding
Training Content	

RESCUE HOIST MAINTENANCE COURSE **				
MODEL	P/N	GROUND	MTS	HELICOPTER
AW139	*	Min. 1 day		
AW189	*	Min. 1 day		
AW169*	*	Min. 1 day		

NOTES:

**Available upon request.*
***The course will be provided in collaboration with the OEM of the hoist system installed on Customer's helicopter. Content and duration of this course will be subject to changes in accordance with the OEM selected and will be the ones applicable at the time of delivery of the course. The Customer will need to provide training facilities (classroom), workshop facilities and tools (electrical power, work bench/area, standard shop tools), and the Rescue Hoist System equipment (hoist, pendant, boom, control panel, etc.) installed on the aircraft. The courses duration may be subject to the number of students enrolled in the course.*



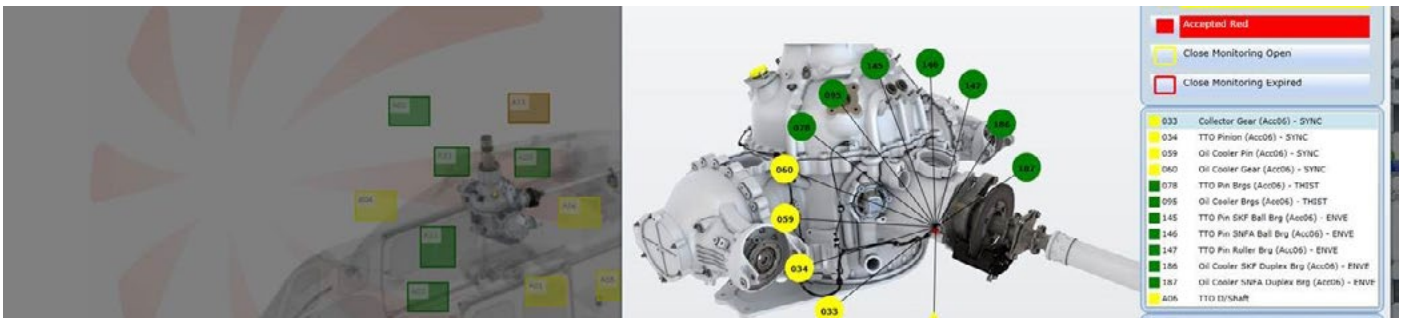
FLOAT & RAFT MAINTENANCE COURSE

Approval	Vendor Course
Certificate	Certificate of Training Attended
Scope of Training	The aim of the course is to have staff trained and operative about annual inspection on Float & Raft system.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be qualified airframe/engine technicians that successfully completed the Airframe Maintenance Type Training Cat. B1.3 (Theoretical and Practical Elements) on the relevant helicopter model; • A good knowledge of aeronautics regulations relative to maintenance filed (EASA/FAR 145) applicable to the country where the helicopter is operated; • Be in possession of a good English language knowledge both written and spoken in order to be able of reading and understanding the official maintenance documentation, and have the ability to write and communicate in comprehensive English, to prevent any misunderstanding.
Training Content	The course has theory and practice nature to cover activities including the following tasks inspection and testing components: • Dismantling parts • Leak Test party inflatable's • Visual Inspection • Assembly • Folding

RESCUE HOIST MAINTENANCE COURSE **			
MODEL	P/N *	MTS	HELICOPTER
AW139	4-5 Days		
AW189	4-5 Days		
AW169*	4-5 Days		

NOTES:
** The Course will be provided in collaboration with the OEM of the Floats and of the Rafts installed on Customer's helicopter. Content and duration of this course may be subject to changes and will be the ones applicable and approved by the OEM at the time of the delivery of the courses.*

The courses duration may be subject to the number of students enrolled in the course.



MODULE 9 – HUMAN FACTORS

Approval	EASA Part-147
Certificate	Certificate of Recognition
Scope of Training	The aim of the course is to provide adequate and qualified technical personnel with the notions on human factor aspects directly related to the activities of aeronautical technicians on AW helicopter models.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be in possession of a good English language knowledge both written and spoken.
Training Content	MODULE 9–HUMAN FACTORS COURSE MODEL: All; P/N: AA-T-340-TAW; GROUND: 30; MTS: ; HELICOPTER: *NOTE:* *The Human Factor training course is available also for pilots, with a dedicated training program. Furthermore, the Human Factors Recurrent Course is also available.*

MODULE 10 – AVIATION LEGISLATION

Approval	EASA Part-147
Certificate	Certificate of Recognition
Scope of Training	The aim of the course is to provide adequate and qualified technical personnel with a general overview of the civil aviation regulations in force in the aeronautical environments.
Admission Requirements	In order to be admitted to this course, an attending student must satisfy the following requirements: • Be in possession of a good English language knowledge both written and spoken.
Training Content	MODULE 10–AVIATION LEGISLATION COURSE MODEL: All; P/N: AA-T-343-TAW; GROUND: 30; MTS: ; HELICOPTER:

LEONARDO
HELICOPTERS DIVISION
Module 10 - Aviation Legislation

Leonardo - Società per azioni
Registered Head Office:
Piazza Monte Grappa, 4 - 00195 Rome - Italy
Tel. +39 06 324731 - Fax +39 06 3208621
Leonardo Helicopters
Head Office:
Via Giovanni Agusta, 520 - 21017 Cascina Costa di Samarate - Italy
Tel. +39 0331 229111

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