


















# Training Courses

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# Course List

Symbol	Category	Course name	Duration
	General Aviation	Introduction to aviation	5 days
	EO/IR	Foundation EO/IR sensor operator course	5 days
	EO/IR	Principles of EO/IR image interpretation	3 days
	ISTAR	Airborne ISTAR foundation sensor operator course	5 weeks
	ISTAR	Airborne ISTAR intermediate sensor operator course	8 weeks
	Airborne Acoustics	Introduction to Airborne Acoustics	5 days
	Airborne Acoustics	Theory and analysis (no simulation)	4 weeks
	Airborne Acoustics	Theory, analysis and simulation	6 weeks
	Electronic Warfare	Foundation EW course	5 days
	Electronic Warfare	Foundation and advanced EW course	2 weeks
	Electronic Warfare	Functional analysis module	5 days
	Radar	Introduction to Radar principles	5 days
	Radar	Maritime Patrol Aircraft (MPA) Radar operator course	2 weeks
	MPA Practitioner	Introduction to MPA operations course	5 weeks
CBT	All	Computer Based Training (CBT)	
	ISR	3SDL – ISR processes and intelligence cycle (offered by training partner 3SDL Ltd)	5 days

## Module List

All courses are based on a modular design, with the table below showing the modules available. A customer can select a series of modules to create a tailored course profile to closer match their training requirements.

Code	Category	Module name	Duration
Gen-1	General aviation	Introduction to aviation	5 days
EO-1	EO/IR	EO/IR foundation theory phase	3.5 days
EO-2	EO/IR	EO/IR foundation synthetic phase	1.5 days
ISR-1	ISTAR	Principles of airborne ISR/ISTAR	5 days
ISR-2	ISTAR	Synthetic aperture radar (SAR), ground moving target indicator (GMTI) and imagery analysis (IA)	5 days
ISR-3	ISTAR	Mid-course synthetic phase – ISTAR	5 days
ISR-4	ISTAR	Final synthetic phase – ISTAR	5 days
COM-1	Comms	Introduction to communications and datalinks	5 days
ACO-1	Acoustics	Acoustics introduction	5 days
ACO-2	Acoustics	Acoustics theory and analysis (no simulation)	4 weeks
ACO-3	Acoustics	Acoustics theory, analysis and simulation	6 weeks
EW-1	EW	Electronic warfare (EW) principles – Foundation	5 days
EW-2	EW	Electronic warfare (EW) principles – Advanced	5 days
EW-3	ELINT/RESM	Electronic warfare (EW) – Functional analysis module	5 days
RAD-1	Radar	Introduction to radar	5 days
RAD-2	Radar	MPA radar operator – Theoretical phase	5 days
RAD-3	Radar	MPA radar operator – Synthetic phase	5 days
ADD-1	ISR	3SDL – ISR processes and intelligence cycle	5 days



## General aviation – Introduction to aviation (5 days)

### General description

This course is designed for airborne sensor operators and ground staff who have little or no experience in aviation and/or radio communications. It provides an introductory awareness to the basic principles involved in aviation and starts to instil the “thinking operator” ethos to the task and mission considerations, coupled with basic communications knowledge and practical skills.

### Input standard

The course requires a basic level of mathematical knowledge and skills, similar to that of GCSE at level C or above. The student should be able to carry out relatively simple mental arithmetic such as speed/distance/time calculations quickly and accurately. A conversational level of English is required for the classroom content to be understood and for the radio communications practical exercises (in accordance with ICAO Language Proficiency Rating Scale Level 4).

### Output standard

On successful completion, the students will be able to understand the application of basic aviation principles under supervision with an awareness of airmanship, aircraft operation and communications.

### Duration

5 days

### Course size

3 to 6

### Price

POA

### Pre-requisites

Organisations must ensure that their prospective participating students meet the required input standards.

### Assessment

Assessment takes the form of formative feedback.

### Related courses

This course provides an appropriate foundation for all other ASG courses.



## General aviation – Introduction to aviation (5 days) – continued

### Course content

<i>Module Number</i>	<i>Description</i>	<i>Delivery Method</i>	<i>No. of Instructors</i>	<i>Module Duration</i>
<b>GEN-1</b>	<b>Introduction to aviation</b>			<b>5 days</b>
G 1.1.1	Principles of flight	Classroom	1	0.5 days
G 1.1.2	Introduction to aircraft systems	Classroom	1	0.5 days
G 1.1.3	Introduction to basic meteorology for operators	Classroom	1	1 day
G 1.1.4	Introduction to aircraft communications (V/UHF voice)	Classroom and simulator	1	1 day
G 1.1.5	Introduction to aviation – Practical exercise 1	Classroom and simulator	2	1 day
G 1.1.6	Introduction to aviation – Practical exercise 2	Classroom and simulator	2	1 day



## EO/IR – Foundation EO/IR sensor operator course (5 days)

### General description

This course is designed for airborne sensor operators using an electro-optic/infrared (EO/IR) turret such as the FLIR or L3-Wescam turrets. In order to maximise the value of these complex sensors, operator training and tactical awareness is essential. This course explains the theoretical concepts and capabilities of the turret system with practical exercises on turret simulators of the same system and interface. Operator skills are developed from a simple “point and view” ability to those of a tactically aware and forward thinking operator, able to cope with challenging environmental and mission situations to provide a valuable intelligence product.

### Input standard

The course requires a basic level of knowledge and skills, similar to that of GCSE at level C or above, in the following disciplines: mathematics and physics. The student should be able to carry out relatively simple mental arithmetic such as speed/distance/time calculations quickly and accurately. A conversational level of English is required for the classroom content to be understood and for the radio communications practical exercises (in accordance with ICAO Language Proficiency Rating Scale Level 4); additionally, previous experience in basic radio communications is required including the use of call signs, phonetic alphabet, basic communication equipment manipulation, simple message formats and basic tactical awareness.

### Output standard

On successful completion, the students will be able to operate the EO/IR turret in a tactical environment under supervision with an increased tactical awareness and greater CRM and airmanship skills.

### Duration

5 days

### Course size

2 to 4

### Price

POA

### Pre-requisites

Organisations must ensure that their prospective participating students meet the required input standards. In the event that the students are not at the required input standard, additional training can be provided to achieve the standards. The “Introduction to aviation” module can be delivered at the start of the course to meet the communications and experience criteria.

### Assessment

Assessment takes the form of formative feedback. Customer assessment strategies can be adopted on a case by case basis.



# EO/IR – Foundation EO/IR sensor operator course (5 days) – continued

## Course content

<i>Module Number</i>	<i>Description</i>	<i>Delivery method</i>	<i>No. of instructors</i>	<i>Module duration</i>
<b>EO-1</b>	<b>EO/IR operator course</b>			<b>5 days</b>
<b>EO 1.1</b>	<b>EO/IR theory phase</b>			
EO 1.1.1	Principle features of an EO/IR system	Classroom	1	3.5 days
EO 1.1.2	System overlays, menus and controllers	Classroom and simulator	1	
EO 1.1.3	Tactical operation of the sensor	Classroom	1	
EO 1.1.4	Principles of target detection and analysis in the visual spectrum	Classroom	1	
EO 1.1.5	Principles of target detection and analysis in the infrared (IR) spectrum	Classroom	1	
EO 1.1.6	Principles of imagery analysis	Classroom	1	
EO 1.1.7	Laser safety and employment	Classroom	1	
EO 1.1.8	Mapping systems and mapping considerations	Classroom	1	
<b>EO 1.2</b>	<b>EO/IR synthetic phase</b>			
EO 1.2.1	EO/IR practical exercise 1	Simulator	2	0.5 days
EO 1.2.2	EO/IR practical exercise 2	Simulator	2	0.5 days
EO 1.2.3	EO/IR practical exercise 3	Simulator	2	0.5 days



## EO/IR – Principles of EO/IR image interpretation (3 days)

### General description

This course is designed for airborne sensor operators using an electro-optic/infrared (EO/IR) turret to gain a better understanding of EO and IR imagery. In order to maximise the operator's ability to understand and analyse the Full Motion Video (FMV) imagery, the course provides a more in-depth knowledge of EO and IR and how the image is presented. The course also explains the basic principles of image analysis allowing the operator to extract additional tactical information from both the EO and IR imagery. There will be an opportunity to put skills into practice for the operator to demonstrate an improved understanding of the imagery displayed.

### Input standard

The course requires a basic level of knowledge and skills, similar to that of GCSE at level C or above, in the following disciplines: mathematics and physics. The student should be able to carry out relatively simple mental arithmetic such as speed/distance/time calculations quickly and accurately. A conversational level of English is required for the classroom content to be understood and for the radio communications practical exercises (in accordance with ICAO Language Proficiency Rating Scale Level 4); additionally, previous experience in basic radio communications is required including the use of call signs, phonetic alphabet, basic communication equipment manipulation, simple message formats and basic tactical awareness.

### Output standard

On successful completion, the students will be able to provide an informed interpretation EO/IR image in a tactical environment under supervision.

### Duration

3 days

### Course size

2 to 8

### Price

POA

### Pre-requisites

Organisations must ensure that their prospective participating students meet the required input standards. In the event that the students are not at the required input standard, additional training can be provided to achieve the standards.

### Assessment

Assessment takes the form of formative feedback. Customer assessment strategies can be adopted on a case by case basis.





## EO/IR – Principles of EO/IR image interpretation (3 days) – continued

### Course content

<i>Module Number</i>	<i>Description</i>	<i>Delivery method</i>	<i>No. of instructors</i>	<i>Module duration</i>
EO-2	EO/IR			3 days
EO 2.1	Principles of EO/IR image interpretation			
EO 2.1.1	Principles of target detection and analysis in the visual spectrum	Classroom	1	2 days
EO 2.1.2	Principles of target detection and analysis in the infrared (IR) spectrum	Classroom	1	
EO 2.1.3	Principles of imagery analysis	Classroom	1	
EO 2.2	EO/IR image interpretation practice			
EO 2.2.1	EO/IR practical exercise 1	Simulator	2	0.5 days
EO 2.2.2	EO/IR practical exercise 2	Simulator	2	0.5 days



## ISTAR – Airborne ISTAR foundation sensor operator course (5 weeks)

### General description

This course is designed to provide an introductory awareness for airborne sensor operators and mission commanders operating in a complex and demanding environment. It is designed to expose the student to the wider topics involved in modern military operations: capabilities, communications, electronic warfare, self-defence systems, weapons and radar systems. It is ideally suited to customers looking to develop an ISTAR/ISR capability with little or no previous practical experience, and to personnel converting to an ISTAR/ISR role. The chosen sensor to deliver the ISTAR/ISR principles is an EO/IR sensor which is used to exercise the thought processes and tactical appreciation of the ISTAR environment. Other sensors are available upon request.

### Input standard

The course requires a basic level of knowledge and skills, similar to that of GCSE at level C or above, in the following disciplines: mathematics and physics. The student should be able to carry out relatively simple mental arithmetic such as speed/distance/time calculations quickly and accurately. A conversational level of English is required for the classroom content to be understood and for the radio communications practical exercises (in accordance with ICAO Language Proficiency Rating Scale Level 4); previous experience in basic radio communications is required, including the use of call signs, phonetic alphabet, basic communication equipment manipulation, simple message formats and basic tactical awareness.

### Output standard

On successful completion, the students will be able to operate EO/IR sensors and communications equipment with the theoretical knowledge to employ other sensors, while being aware of the broader principles of electronic warfare, tactics and communications. This is a foundation course that will allow the student to critically assess their own equipment capabilities and procedures and will prepare the student for more advanced training.

### Duration

5 weeks

### Course size

3 to 6

### Price

POA

### Pre-requisites

Organisations must ensure that their prospective participating students meet the required input standards. In the event that the students are not at the required input standard, additional training can be provided to achieve the standards. The "Introduction to aviation" module can be delivered at the start of the course to meet the communications and experience criteria.

### Assessment

Assessment takes the form of formative feedback. Customer assessment strategies can be adopted on a case by case basis.



# ISTAR – Airborne ISTAR foundation sensor operator course (5 weeks) – continued

## Course content

### Recommended additional modules

<i>Module Number</i>	<i>Description</i>	<i>Delivery Method</i>	<i>No. of Instructors</i>	<i>Module Duration</i>
ADD-1	Introduction to ISR		2	5 days extra
GEN-1	Introduction to aviation		2	5 days extra
EW-3	EW – Functional analysis module		1	5 days extra

### Core modules

<i>Module Number</i>	<i>Description</i>	<i>Delivery method</i>	<i>No. of instructors</i>	<i>Module duration</i>
ISR (Found.)	Core Modules		2	8 weeks
EO 1.1	EO/IR theory phase			
EO 1.1.1	Principle features of an EO/IR system	Classroom	1	3.5 days
EO 1.1.2	System overlays, menus and controllers	Classroom and simulator	1	
EO 1.1.3	Tactical operation of the sensor	Classroom	1	
EO 1.1.4	Principles of target detection and analysis in the visual spectrum	Classroom	1	
EO 1.1.5	Principles of target detection and analysis in the infrared (IR) spectrum	Classroom	1	
EO 1.1.6	Principles of imagery analysis	Classroom	1	
EO 1.1.7	Laser safety and employment	Classroom	1	
EO 1.1.8	Mapping systems and mapping considerations	Classroom	1	
EO 1.2	EO/IR synthetic phase			
EO 1.2.1	EO/IR practical exercise 1	Simulator	2	0.5 days
EO 1.2.2	EO/IR practical exercise 2	Simulator	2	0.5 days
EO 1.2.3	EO/IR practical exercise 3	Simulator	2	0.5 days



## ISTAR – Airborne ISTAR foundation sensor operator course (5 weeks) – continued

<b>ISR-1</b>	<b>Principles of airborne ISR/ISTAR</b>		<b>1</b>	<b>5 days</b>
ISR 1.1.1	Fundamental principles of airborne ISTAR/ISR	Classroom	1	1 day
ISR 1.1.2	Fundamental principles of the electromagnetic (EM) spectrum	Classroom and simulator	1	1 day
ISR 1.1.3	Principles of EM transmitters and receivers	Classroom	1	1 day
ISR 1.1.4	Introduction to the tactical implications of radar parameters on function and design	Classroom	1	2 days
<b>EW-1</b>	<b>Electronic Warfare (EW) Principles - Foundation</b>		<b>1</b>	<b>5 days</b>
EW 1.1.1	Introduction to electronic warfare (EW) in an airborne context	Classroom and simulator	1	1 day
EW 1.1.2	Receiver theory – threat warner, tactical and strategic systems	Classroom and simulator	1	1 day
EW 1.1.3	Introduction to weapon systems	Classroom and simulator	1	1.5 days
EW 1.1.4	Introduction to countermeasures	Classroom and simulator	1	1.5 days
<b>COM-1</b>	<b>Introduction to Communications and Datalinks</b>		<b>1</b>	<b>5 days</b>
CO 1.1.1	Introduction to military communications	Classroom and simulator	1	1 day
CO 1.1.2	Principles of communications protection measures and COMSEC	Classroom and simulator	1	0.5 days
CO 1.1.3	Airborne military communications, message formats and procedures	Classroom and simulator	1	2 days
CO 1.1.4	Emergency communications procedures and message formats	Classroom and simulator	1	0.5 days
CO 1.1.5	Principles of datalinks	Classroom and simulator	1	1 day



## ISTAR – Airborne ISTAR foundation sensor operator course (5 weeks) – continued

ISR-4	Final synthetic phase - ISTAR		2	5 days
ISR 4.2.1	Final practical 1 – All topics & rotating positions (Sensor operator, mission commander & observer/ground crew)	Classroom and simulator	2	5 days
ISR 4.2.2	Final practical 2 – All topics & rotating positions (Sensor operator, mission commander & observer/ground crew)	Classroom and simulator	2	
ISR 4.2.3	Final practical 3 – All topics & rotating positions (Sensor operator, mission commander & observer/ground crew)	Classroom and simulator	2	
ISR 4.2.4	Final practical 4 (Remedial training if required) – All topics & rotating positions (Sensor operator, mission commander & observer/ground crew)	Classroom and simulator	2	
ISR 4.2.5	Final practical 5 (Remedial training if required) – All topics & rotating positions (Sensor operator, mission commander & observer/ground crew)	Classroom and simulator	2	

### Sample timetable

Week	Module	Module number
1	<b>Optional:</b> Introduction to aviation (additional module)	GEN-1
2	EO/IR Sensor Operation	EO-1
3	Principles of airborne ISR/ISTAR	ISR-1
4	Electronic Warfare (EW) Principles – Foundation	EW-1
5	Introduction to Comms and Datalinks	COM-1
6	Final synthetic phase - ISTAR	ISR-4



## ISTAR – Airborne ISTAR intermediate sensor operator course (8 weeks)

### General description

This course is designed for airborne sensor operators and mission commanders operating in a more complex and demanding environment. This requires an in depth tactical knowledge of military operations, capabilities, communications, electronic warfare, self-defence systems, weapons and radar systems. The course is suited to modern military forces conducting joint or standalone operations against terrorist type forces or more traditional exercises and operations against other nations. The course covers the employment of a number of sensors (radar, ESM, EO/IR, ELINT), advanced communications and systems (such as countermeasures), weapons and tactics along with a higher level of electronic warfare understanding and enhanced decision making skills.

### Input standard

The course requires a basic level of knowledge and skills, similar to that of GCSE at level C or above, in the following disciplines: mathematics and physics. The student should be able to carry out relatively simple mental arithmetic such as speed/distance/time calculations quickly and accurately. A conversational level of English is required for the classroom content to be understood and for the radio communications practical exercises (in accordance with ICAO Language Proficiency Rating Scale Level 4); previous experience in basic radio communications is required, including the use of call signs, phonetic alphabet, basic communication equipment manipulation, simple message formats and basic tactical awareness.

### Output standard

On successful completion, the students will be able to operate and/or manage a number of aircraft sensors under supervision. They will be able to contribute tactically, cope in demanding situations and direct additional assets effectively in an airborne ISTAR/ISR environment.

### Duration

8 weeks

### Course size

3 to 6

### Price

POA

### Pre-requisites

Organisations must ensure that their prospective participating students meet the required input standards. In the event that the students are not at the required input standard, additional training can be provided to achieve the standards. The "Introduction to aviation" module can be delivered at the start of the course to meet the communications and experience criteria.

### Assessment

Assessment takes the form of formative feedback. Customer assessment strategies can be adopted on a case by case basis.



# ISTAR – Airborne ISTAR intermediate sensor operator course (8 weeks) – continued

## Course content

### Recommended additional modules

<i>Module Number</i>	<i>Description</i>	<i>Delivery Method</i>	<i>No. of Instructors</i>	<i>Module Duration</i>
ADD-1	Introduction to ISR		2	5 days extra
GEN-1	Introduction to aviation		2	5 days extra
EW-3	EW – Functional analysis module		1	5 days extra

### Core modules

<i>Module Number</i>	<i>Description</i>	<i>Delivery method</i>	<i>No. of instructors</i>	<i>Module duration</i>
ISR (Adv.)	Core Modules		2	8 weeks
EO 1.1	<b>EO/IR theory phase</b>			
EO 1.1.1	Principle features of an EO/IR system	Classroom	1	3.5 days
EO 1.1.2	System overlays, menus and controllers	Classroom and simulator	1	
EO 1.1.3	Tactical operation of the sensor	Classroom	1	
EO 1.1.4	Principles of target detection and analysis in the visual spectrum	Classroom	1	
EO 1.1.5	Principles of target detection and analysis in the infrared (IR) spectrum	Classroom	1	
EO 1.1.6	Principles of imagery analysis	Classroom	1	
EO 1.1.7	Laser safety and employment	Classroom	1	
EO 1.1.8	Mapping systems and mapping considerations	Classroom	1	
EO 1.2	<b>EO/IR synthetic phase</b>			
EO 1.2.1	EO/IR practical exercise 1	Simulator	2	0.5 days
EO 1.2.2	EO/IR practical exercise 2	Simulator	2	0.5 days
EO 1.2.3	EO/IR practical exercise 3	Simulator	2	0.5 days



## ISTAR – Airborne ISTAR intermediate sensor operator course (8 weeks) – continued

<b>ISR-1</b>	<b>Principles of airborne ISR/ISTAR</b>		<b>1</b>	<b>5 days</b>
ISR 1.1.1	Fundamental principles of airborne ISTAR/ISR	Classroom	1	1 day
ISR 1.1.2	Fundamental principles of the electromagnetic (EM) spectrum	Classroom and simulator	1	1 day
ISR 1.1.3	Principles of EM transmitters and receivers	Classroom	1	1 day
ISR 1.1.4	Introduction to the tactical implications of radar parameters on function and design	Classroom	1	2 days
<b>EW-1</b>	<b>Electronic Warfare (EW) Principles - Foundation</b>		<b>1</b>	<b>5 days</b>
EW 1.1.1	Introduction to electronic warfare (EW) in an airborne context	Classroom and simulator	1	1 day
EW 1.1.2	Receiver theory – threat warner, tactical and strategic systems	Classroom and simulator	1	1 day
EW 1.1.3	Introduction to weapon systems	Classroom and simulator	1	1.5 days
EW 1.1.4	Introduction to countermeasures	Classroom and simulator	1	1.5 days
<b>EW-2</b>	<b>Electronic Warfare (EW) Principles - Advanced</b>		<b>1</b>	<b>5 days</b>
EW 2.1.1	Advanced principles of EW in an airborne context	Classroom and simulator	1	1 day
EW 2.1.2	Weapon systems – advanced	Classroom and simulator	1	1.5 days
EW 2.1.3	Countermeasures – advanced	Classroom and simulator	1	1.5 days
EW 2.1.4	Tactical considerations for ISTAR aircraft in an EW context	Classroom and simulator	1	1 days





## ISTAR – Airborne ISTAR intermediate sensor operator course (8 weeks) – continued

ISR-2	Synthetic Aperture Radar (SAR), Ground Moving Target Indicator (GMTI) and Imagery Analysis (IA)		1	5 days
ISR 2.1.1	Principles and operation of Synthetic Aperture Radar (SAR)	Classroom	1	1.5 days
ISR 2.1.2	Principles and operation of Ground Moving Target Indicator (GMTI)	Classroom	1	1.5 days
ISR 2.1.3	Advanced principles and techniques of Imagery Analysis (IA)	Classroom	1	2 days
COM-1	Introduction to Communications and Datalinks		1	5 days
CO 1.1.1	Introduction to military communications	Classroom and simulator	1	1 day
CO 1.1.2	Principles of communications protection measures and COMSEC	Classroom and simulator	1	0.5 days
CO 1.1.3	Airborne military communications, message formats and procedures	Classroom and simulator	1	2 days
CO 1.1.4	Emergency communications procedures and message formats	Classroom and simulator	1	0.5 days
CO 1.1.5	Principles of datalinks	Classroom and simulator	1	1 day



## ISTAR – Airborne ISTAR intermediate sensor operator course (8 weeks) – continued

<b>ISR-3</b>	<b>Mid-course synthetic phase - ISTAR</b>		<b>2</b>	<b>5 days</b>
ISR 3.1.1	Consolidation practical 1 - EO/IR, comms, CRM with sensor operator and mission commander crew	Classroom and simulator	2	5 days
ISR 3.1.2	Consolidation practical 2 - EO/IR, comms, CRM with sensor operator and mission commander crew	Classroom and simulator	2	
ISR 3.1.3	Consolidation practical 3 - EO/IR, comms, CRM with sensor operator and mission commander crew	Classroom and simulator	2	
ISR 3.1.4	Consolidation practical 4 - EO/IR, comms, CRM with sensor operator and mission commander crew	Classroom and simulator	2	
ISR 3.1.5	Consolidation practical 5 - EO/IR, comms, CRM with sensor operator and mission commander crew	Classroom and simulator	2	
<b>ISR-4</b>	<b>Final synthetic phase - ISTAR</b>		<b>2</b>	<b>5 days</b>
ISR 4.2.1	Final practical 1 – All topics and rotating positions (sensor operator, mission commander and observer/ground crew)	Classroom and simulator	2	5 days
ISR 4.2.2	Final practical 2 – All topics and rotating positions (sensor operator, mission commander and observer/ground crew)	Classroom and simulator	2	
ISR 4.2.3	Final practical 3 – All topics and rotating positions (sensor operator, mission commander and observer/ground crew)	Classroom and simulator	2	
ISR 4.2.4	Final practical 4 (Remedial training if required) – All topics and rotating positions (sensor operator, mission commander and observer/ground crew)	Classroom and simulator	2	
ISR 4.2.5	Final practical 5 (Remedial training if required) – All topics and rotating positions (sensor operator, mission commander and observer/ground crew)	Classroom and simulator	2	



## ISTAR – Airborne ISTAR intermediate sensor operator course (8 weeks) – continued

### Sample timetable

Week	Module	Module number
1	<b>Optional:</b> Introduction to ISR (additional module)	ADD-1
2	<b>Optional:</b> Introduction to aviation (additional module)	GEN-1
3	Electronic Warfare (EW) Principles – Foundation	EW-1
4	Principles of airborne ISR/ISTAR	ISR-1
5	EO/IR Sensor Operation	EO-1
6	Mid-course synthetic consolidation phase	ISR-3
7	Introduction to Comms and Datalinks	COM-1
8	Electronic Warfare (EW) Principles – Advanced	EW-2
9	<b>Optional:</b> Electronic Warfare (EW) - Functional analysis module	EW-3
10	Synthetic Aperture Radar (SAR), Ground Moving Target Indicator (GMTI) and Imagery Analysis (IA)	ISR-2
11	Final synthetic phase	ISR-4



## Airborne Acoustics – Introduction to Airborne Acoustics (5 days)

### General description

This course is designed to provide an overview of operating an airborne acoustics system. It provides an introductory awareness to the basic principles of both active and passive acoustics in an airborne environment. The course explains the basic concepts and capabilities of a modern acoustics system, the sensors available and the impact of the environment in which the platforms operate.

### Input standard

The course requires a basic level of knowledge and skill, similar to that of GCSE at level C or above, in the following disciplines: mathematics and physics. The student should have an ability to carry out relatively simple mental arithmetic such as speed/distance/time calculations quickly and accurately. A conversational level of English is required for the classroom content to be understood (in accordance with ICAO Language Proficiency Rating Scale Level 4).

### Output standard

On successful completion of the course the students will have the knowledge to understand the broad principles of operating an acoustics system the Anti-Submarine Warfare (ASW) theatre.

### Duration

5 days

### Course size

3 to 8

### Price

POA

### Pre-requisites

Organisations must ensure that their prospective participating students meet the required input standards.

### Assessment

Assessment takes the form of formative feedback.



## Airborne Acoustics – Introduction to Airborne Acoustics (5 days) – continued

### Course content

<i>Module Number</i>	<i>Description</i>	<i>Delivery method</i>	<i>No. of instructors</i>	<i>Module duration</i>
<b>ACO-1</b>	<b>Acoustics Introduction</b>			<b>5 days</b>
<b>ACO 1.1</b>	<b>Introduction to oceanography</b>			
ACO 1.1.1	Introduction to oceanography	Classroom	1	
<b>ACO 1.2</b>	<b>Introduction to acoustics</b>			
ACO 1.2.1	Blade and shaft theory	Classroom and simulator	1	
ACO 1.2.2	Diesel engine theory and engine driven auxiliaries			
ACO 1.2.3	Turbine theory and gearing associated auxiliaries	Classroom		
ACO 1.2.4	Air independent propulsion			
ACO 1.2.5	Introduction to sonar buoys			
ACO 1.2.6	Structure of passive and active displays			
ACO 1.2.7	Modern acoustics processing			
ACO 1.2.8	Understanding acoustics in the anti-submarine (ASW) environment			
ACO 1.2.9	Doppler theory			
ACO 1.2.10	Doppler/mechanical events			
<b>ACO 1.3</b>	<b>Search, localisation and tracking principles</b>			
ACO 1.3.1	Introduction to search, localisation and tracking principles using a maritime patrol aircraft (MPA) acoustic processor	Classroom	1	



## Airborne Acoustics – Theory and analysis (4 weeks – no simulation)

### General description

This course is designed to provide the operator of airborne acoustics systems with a core skill set for work in the ASW theatre. In order to maximise the value of these complex sensors, operator training and tactical awareness is essential. This course explains the theoretical concepts and capabilities of an acoustics system and the sensors associated with the system. The course will provide the operator with an understanding of propulsion systems and noise sources, how to analyse the signature and how to tactically exploit the information. This develops the operator skills from a simple “point and view” ability to those of a tactically aware and forward thinking operator, able to cope with challenging environmental and mission situations to provide a valuable intelligence product.

### Input standard

The course requires a basic level of knowledge and skill, similar to that of GCSE at level C or above, in the following disciplines: mathematics and physics. The student should be able to carry out relatively simple mental arithmetic such as speed/distance/time calculations quickly and accurately. A conversational level of English is required for the classroom content to be understood (in accordance with ICAO Language Proficiency Rating Scale Level 4).

### Output standard

On successful completion, the students will be able to understand the principle of how to operate an acoustics system in a tactical environment under supervision with an increased tactical awareness and greater CRM and airmanship skills.

### Duration

4 weeks

### Course size

3 to 6

### Price

POA

### Pre-requisites

Organisations must ensure that their prospective participating students meet the required input standards. In the event that the students are not at the required input standard, additional training can be provided to achieve the standards. The “Introduction to aviation” module can be delivered at the start of the course to meet the communications and experience criteria.

### Assessment

Assessment takes the form of formative feedback. Customer assessment strategies can be adopted on a case by case basis.



# Airborne Acoustics – Theory and analysis (4 weeks – no simulation) – continued

## Course content

<i>Module Number</i>	<i>Description</i>	<i>Delivery method</i>	<i>No. of instructors</i>	<i>Module duration</i>
<b>ACO-2</b>	<b>Acoustics theory and analysis</b>			<b>4 weeks</b>
<b>ACO-2.1</b>	<b>Part 1</b>			
ACO 2.1.1	Oceanography	Classroom	1	2 days
ACO 2.1.2	Propulsion modes			1 day
ACO 2.1.3	Engine theory			1 day
ACO 2.1.4	Blade and shaft theory			
ACO 2.1.5	Introduction to analysis			1 day
<b>ACO-2.2</b>	<b>Part 2</b>			
ACO 2.2.1	Introduction of sonobuoys	Classroom	1	1 day
ACO 2.2.2	Sonar equations			1 day
ACO 2.2.3	Acoustics systems theory			1 day
ACO 2.2.4	Turbine propulsion theory			1 day
ACO 2.2.5	Analysis			1 day
<b>ACO-2.3</b>	<b>Part 3</b>			
ACO 2.3.1	Acoustics system theory part 2	Classroom	1	1 day
ACO 2.3.2	Mechanical events			1 day
ACO 2.3.3	Doppler Theory			2 days
ACO 2.3.4	Analysis			1 day
<b>ACO-2.4</b>	<b>Part 4</b>			
ACO 2.4.1	ASW	Classroom	1	1 day
ACO 2.4.2	Tactical ASW Search and location			1 day
ACO 2.4.3	Analysis			1 day
ACO 2.4.4	Tactical ASW tracking			1 day
ACO 2.4.5	Analysis			1 day



## Airborne Acoustics – Theory, analysis and simulation (6 weeks)

### General description

This course is designed to provide the operator of airborne acoustics systems with a core skill set for work in the ASW theatre. In order to maximise the value of these complex sensors, operator training and tactical awareness is essential. This course explains the theoretical concepts and capabilities of an acoustics system and the sensors associated with the system. The course will provide the operator with an understanding of propulsion systems and noise sources, how to analyse the signature and how to tactically exploit the information.

Practical exercises will be provided using a generic acoustic system to cement the theory of analysis and the tactical employment of the system in the ASW theatre. The student will exercise the overall control of an ASW prosecution, including aircraft position, location of sensor patterns and tracking of targets in a real-time environment.

### Input standard

The course requires a basic level of knowledge and skill, similar to that of GCSE at level C or above, in the following disciplines: mathematics and physics. The student should be able to carry out relatively simple mental arithmetic such as speed/distance/time calculations quickly and accurately. A conversational level of English is required for the classroom content to be understood and for the radio communications practical exercises (in accordance with ICAO Language Proficiency Rating Scale Level 4); previous experience in basic radio communications is required, including the use of call signs, phonetic alphabet, basic communication equipment manipulation, simple message formats and basic tactical awareness.

### Output standard

On successful completion, the students will be able to operate the generic acoustics system, understand basic target analysis and use the system in a tactical environment under supervision with an increased tactical awareness and greater CRM and airmanship skills.

### Duration

6 weeks

### Course size

2 to 4

### Price

POA

### Pre-requisites

Organisations must ensure that their prospective participating students meet the required input standards. In the event that the students are not at the required input standard, additional training can be provided to achieve the standards. The "Introduction to aviation" module can be delivered at the start of the course to meet the communications and experience criteria.

### Assessment

Assessment takes the form of formative feedback. Customer assessment strategies can be adopted on a case by case basis.





# Airborne Acoustics – Theory, analysis and simulation (6 weeks) – continued

## Course content

<i>Module Number</i>	<i>Description</i>	<i>Delivery method</i>	<i>No. of instructors</i>	<i>Module duration</i>
<b>ACO-3</b>	<b>Acoustics theory and analysis</b>			<b>6 weeks</b>
<b>ACO-3.1</b>	<b>Part 1</b>			
ACO 3.1.1	Oceanography	Classroom and simulator	1	2 days
ACO 3.1.2	Propulsion modes			1 day
ACO 3.1.3	Engine theory			1 day
ACO 3.1.4	Blade and shaft theory			
ACO 3.1.5	Introduction to analysis			1 day
	Simulator events			2 days
<b>ACO-3.2</b>	<b>Part 2</b>			
ACO 3.2.1	Introduction of sonobuoys	Classroom and simulator	1	1 day
ACO 3.2.2	Sonar equations			1 day
ACO 3.2.3	Acoustics systems theory			1 day
ACO 3.2.4	Turbine propulsion theory			1 day
ACO 3.2.5	Analysis			1 day
	Simulator events			2 days
<b>ACO-3.3</b>	<b>Part 3</b>			
ACO 3.3.1	Acoustics system theory part 2	Classroom and simulator	1	1 day
ACO 3.3.2	Mechanical events			1 day
ACO 3.3.3	Doppler Theory			2 days
ACO 3.3.4	Analysis			1 day
	Simulator events			3 days
<b>ACO-3.4</b>	<b>Part 4</b>			
ACO 3.4.1	ASW	Classroom and simulator	1/2	1 day
ACO 3.4.2	Tactical ASW Search and location			1 day
ACO 3.4.3	Analysis			1 day
ACO 3.4.4	Tactical ASW tracking			1 day
ACO 3.4.5	Analysis			1 day
	Simulator events			3 days

## Electronic Warfare (EW) – Foundation course (5 days)

### General description

The course provides an introduction to the principles of electronic warfare, exploring the divisions of electronic attack (EA), electronic protection (EP) and electronic warfare support (ES). The course is suitable for those involved in the air, land and maritime environments.

### Input standard

The course requires a basic level of knowledge and skills, similar to that of GCSE at level C or above, in the following disciplines: mathematics and physics. A conversational level of English is required for the classroom content to be understood (in accordance with ICAO Language Proficiency Rating Scale Level 4).

### Output standard

On successful completion, the students will be able to apply the principles of electronic warfare when working in or being involved with a modern battlespace.

### Duration

5 days

### Course size

3 to 8

### Price

POA

### Pre-requisites

Organisations must ensure that their prospective participating students meet the required input standards

### Assessment

Assessment takes the form of formative feedback.

**EW** Electronic Warfare (EW) – Foundation course (5 days) – continued

Course content

<i>Module Number</i>	<i>Description</i>	<i>Delivery Method</i>	<i>No. of Instructors</i>	<i>Module Duration</i>
<b>EW-1</b>	<b>Electronic Warfare (EW) Principles - Foundation</b>		<b>1</b>	<b>5 days</b>
EW 1.1.1	Introduction to electronic warfare (EW) in an airborne context	Classroom and simulator	1	1 day
EW 1.1.2	Receiver theory – threat warner, tactical and strategic systems			1 day
EW 1.1.3	Introduction to weapon systems			1.5 days
EW 1.1.4	Introduction to countermeasures			1.5 days

 EW

## Electronic Warfare (EW) – Foundation and advanced course (2 weeks)

### General description

The course explores the principles of electronic warfare, examining the divisions of electronic attack (EA), electronic protection (EP) and electronic warfare support (ES). It includes the same content as the standalone foundation course, going into greater depth where relevant. The course will examine sensors, weapons and countermeasures applicable to most modern hostile environments. Radar systems and principles are covered.

### Input standard

The course requires a basic level of knowledge and skill, similar to that of GCSE at level C or above, in the following disciplines: mathematics and physics. A conversational level of English is required for the classroom content to be understood (in accordance with ICAO Language Proficiency Rating Scale Level 4).

### Output standard

On successful completion, the students will be able to apply the principles of electronic warfare when working in or being involved with a modern battlespace. With a greater knowledge of the characteristics of EW systems, the student will be able to interpret the tactical variations in an EW theatre.

### Duration

2 weeks

### Course size

3 to 6

### Price

POA

### Pre-requisites

Organisations must ensure that their prospective participating students meet the required input standards

### Assessment

Assessment takes the form of formative feedback.

**EW**

## Electronic Warfare (EW) – Foundation and advanced course (2 weeks) – continued

### Course content

<i>Module Number</i>	<i>Description</i>	<i>Delivery Method</i>	<i>No. of Instructors</i>	<i>Module Duration</i>
<b>EW-1</b>	<b>Electronic Warfare (EW) Principles - Foundation</b>		<b>1</b>	<b>5 days</b>
EW 1.1.1	Introduction to electronic warfare (EW) in an airborne context	Classroom and simulator	1	1 day
EW 1.1.2	Receiver theory – threat warner, tactical and strategic systems			1 day
EW 1.1.3	Introduction to weapon systems			1.5 days
EW 1.1.4	Introduction to countermeasures			1.5 days
<b>EW-2</b>	<b>Electronic Warfare (EW) Principles - Advanced</b>		<b>1</b>	<b>5 days</b>
EW 2.1.1	Advanced principles of EW in an airborne context	Classroom and simulator	1	1 day
EW 2.1.2	Weapon systems – advanced			1.5 days
EW 2.1.3	Countermeasures – advanced			1.5 days
EW 2.1.4	Tactical considerations for ISTAR aircraft in an EW context			1 day

## Electronic Warfare (EW) – Functional analysis module (5 days)

### General description

This module examines specific radar parameters, studying the relationships between design parameters, functions and capabilities, allowing operators and analysts to classify and identify radars based on intercepted parameters. This is often referred to as electronic support measures (ESM) or radar ESM (RESM) or by the EW category, ES. The student uses simulation to exercise tactical considerations and situational awareness, as well as reinforcing their parametric knowledge. The parameters used are open source, indicative of radar type and a generic list of fifteen radar systems are used including long range early warning, target acquisition, threat radars, naval and airborne. Should the customer require focus on specific radars, the course can be tailored to achieve this. Classified systems can be provided with a train-the-trainer course to allow the customer to develop and deliver their own training courses.

### Input standard

The course requires a basic level of knowledge and skill, similar to that of GCSE at level C or above, in the following disciplines: mathematics and physics. A conversational level of English is required for the classroom content to be understood and for the radio communications practical exercises (in accordance with ICAO Language Proficiency Rating Scale Level 4). Previous experience in basic radio communications is beneficial, including the use of call signs, phonetic alphabet, basic communication equipment manipulation, simple message formats and basic tactical awareness. Existing knowledge of EW and/or radar theory is essential and where this does not exist, can be met by undertaking the Foundation or Advanced EW courses prior to this module.

### Output standard

On successful completion, the students will be able to carry out an ESM role, able to analyse intercepted radar parameters and classify to likely function of the intercepted emitter. This will prepare students for more specialised learning of their own operating environment based on the local emitter order of battle (EOB).

### Duration

5 days

### Course size

3 to 6

### Price

POA

### Pre-requisites

Successful completion of the Foundation or Advanced courses. This criterion may be waived if the student has sufficient current knowledge and experience in EW and radar theory; a short assessment will be carried out to confirm this.

### Assessment

Assessment takes the form of formative feedback.



## Electronic Warfare (EW) – Functional analysis module (5 days) – continued

### Course content

#### Recommended additional modules

<i>Module Number</i>	<i>Description</i>	<i>Delivery method</i>	<i>No. of instructors</i>	<i>Module duration</i>
EW-1	Electronic Warfare (EW) Principles – Foundation	Classroom	1	5 days extra
or				
EW-1	Electronic Warfare (EW) Principles – Foundation	Classroom and simulator	1	2 week extra
EW-2	Electronic Warfare (EW) Principles – Advanced			

## Electronic Warfare (EW) – Functional analysis module (5 days) – continued

### Core modules

<i>Module Number</i>	<i>Description</i>	<i>Delivery Method</i>	<i>No. of Instructors</i>	<i>Module Duration</i>
<b>EW-3</b>	<b>Electronic Warfare (EW) – Functional analysis module</b>		<b>1</b>	<b>5 days</b>
EW 3.1.1	Third party and external products that contribute to effective ESM operations	Classroom and simulator	2	0.5 days
EW 3.1.2	Types of ESM tasks and considerations/tactics	Classroom and simulator	2	0.5 days
EW 3.1.3	Characteristics and implications of EW and TA radars	Classroom and simulator	2	0.5 days
EW 3.1.4	Characteristics and implications of TT and TI radars	Classroom and simulator	2	0.5 days
EW 3.1.5	Characteristics and implications of AB and AI radars	Classroom and simulator	2	0.5 days
EW 3.1.6	Characteristics and implications of generic maritime radars	Classroom and simulator	2	0.5 days
EW 3.1.7	Sensor and weapons fit of major Air, Land and Sea components in the host environment	Classroom and simulator	2	1 day
EW 3.1.8	Synthetic exercise 1 – Simulated ESM operator in airborne platform	Classroom and simulator	3	0.5 days
EW 3.1.9	Synthetic exercise 2 – Simulated ESM operator in airborne platform in threat environment	Classroom and simulator	3	0.5 days

Note: Standard delivery of this course requires one simulator workstation for each student. ASG has an in-house simulator capability to train up to six students at the Sensor Academy offices in Lincolnshire, UK. Delivery at other locations will be subject to discussion.

### Radar abbreviations:

- EW – Early Warning
- TA – Target Acquisition
- TT – Target Tracker
- TI – Target Illuminator
- AB – Airborne
- AI – Airborne Interdiction





## Radar – Introduction to Radar principles (5 days)

### General description

The course explores the principles of radar, looking first at the evolution of radar, the factors affecting radar design, functions and parameters and the relationship between the two. This will allow the students to analyse radar systems from operating parameters and pictures to deduce the likely function and capabilities of the radar. Different types of processing are covered to provide an awareness of what information a particular radar system will provide, its limitations and suitable countermeasures. Topics covered include pulsed radars, continuous wave, Doppler theory, MTI, SAR and factors affecting detection.

### Input standard

The course requires a basic level of knowledge and skill, similar to that of GCSE at level C or above, in the following disciplines: mathematics and physics. A conversational level of English is required for the classroom content to be understood (in accordance with ICAO Language Proficiency Rating Scale Level 4).

### Output standard

On successful completion, the students will be able to apply the principles of radar, understand the capabilities of different radars and discern the likely function from design parameters. They will have a better understanding of how to exploit processing and radar features to maximise detection and have the theoretical knowledge to reduce their own chances of counter detection.

### Duration

5 days

### Course size

3 to 12

### Price

POA

### Pre-requisites

Organisations must ensure that their prospective participating students meet the required input standards

### Assessment

Assessment takes the form of formative feedback.



## Radar – Introduction to Radar principles (5 days) – continued

### Course content

<i>Module Number</i>	<i>Description</i>	<i>Delivery Method</i>	<i>No. of Instructors</i>	<i>Module Duration</i>
<b>RAD-1</b>	<b>Introduction to radar</b>		<b>1</b>	<b>5 days</b>
RAD 1.1.1	Concepts of radar	Classroom	1	0.5 days
RAD 1.1.2	Radar range equation and factors affecting detection	Classroom	1	0.5 days
RAD 1.1.3	Radar subsystems (antennas, transmitters, receivers, exciters and processors)	Classroom	1	1 day
RAD 1.1.4	Clutter and clutter rejection	Classroom	1	0.5 days
RAD 1.1.5	Modern radar types/modes (GMTI, weather, SAR, pulsed, CW and pulsed Doppler)	Classroom	1	1 day
RAD 1.1.6	Advanced radar processing (pulse compression, SAR, pulse Doppler)	Classroom	1	1 day
RAD 1.1.7	Current and future technology	Classroom	1	0.5 days



## Radar – Maritime Patrol Aircraft (MPA) Radar operator course (2 weeks)

### General description

The course provides the theoretical and practical skills required of an MPA radar operator. As more countries invest in the technological capabilities of their maritime forces, MPA are increasingly being fitted with complex, multi-mode radars, requiring a highly skilled operator to maximise the capabilities of the sensor. The course covers relevant theory, basic operating procedures and functional skills in demanding and varied scenarios.

### Input standard

The course requires a basic level of knowledge and skill, similar to that of GCSE at level C or above, in the following disciplines: mathematics and physics. The student should be able to carry out relatively simple mental arithmetic such as speed/distance/time calculations quickly and accurately. A conversational level of English is required for the classroom content to be understood and for the radio communications practical exercises (in accordance with ICAO Language Proficiency Rating Scale Level 4). Previous experience in basic radio communications is required, including the use of call signs, phonetic alphabet, basic communication equipment manipulation, simple message formats and basic tactical awareness.

### Output standard

On successful completion, the students will be able to operate a generic multi-mode MPA type radar under supervision. The student will be able to cope with tactical aircraft positioning in demanding situations, applying the core concepts to all aircraft and sensors.

### Duration

2 weeks

### Course size

3 to 6

### Price

POA

### Pre-requisites

Organisations must ensure that their prospective participating students meet the required input standards. In the event that the students are not at the required input standard, additional training can be provided to achieve the standards. The "Introduction to aviation" module can be delivered at the start of the course to meet the communications and experience criteria.

### Assessment

Assessment takes the form of formative feedback. Customer assessment strategies can be adopted on a case by case basis.



## Radars – Maritime Patrol Aircraft (MPA) Radar operator course (2 weeks) – continued

### Course content

<i>Module Number</i>	<i>Description</i>	<i>Delivery Method</i>	<i>No. of Instructors</i>	<i>Module Duration</i>
<b>RAD-2</b>	<b>MPA radar operator course</b>		<b>1</b>	<b>2 weeks</b>
<b>RAD-2.1</b>	<b>MPA radar operator – Theory phase</b>		<b>1</b>	<b>5 days</b>
RAD 2.2.1	Concepts of radar	Classroom	1	0.5 days
RAD 2.2.2	Radars range equation and factors affecting detection	Classroom	1	0.5 days
RAD 2.2.3	Radars subsystems (antennas, transmitters, receivers, exciters and processors)	Classroom	1	1 day
RAD 2.2.4	Clutter and clutter rejection	Classroom	1	0.5 days
RAD 2.2.5	Modern radars types/modes (GMTI, weather, SAR, pulsed, CW and pulsed Doppler)	Classroom	1	1 day
RAD 2.2.6	Types of radar task, considerations and tactics	Classroom	1	1 day
RAD 2.2.7	Briefing and planning for scenario 1	Classroom	1	0.5 days
<b>RAD-2.2</b>	<b>MPA radar operator – Synthetic phase</b>		<b>2</b>	<b>5 days</b>
RAD 2.2.1	Scenario 1 – introductory maritime scenario and equipment familiarisation	Classroom and simulator	2	1 day
RAD 2.2.2	Scenario 2 – Basic anti-submarine warfare (ASW)	Classroom and simulator	2	1 day
RAD 2.2.3	Scenario 3 – Basic anti-surface warfare (ASuW) against surface action group	Classroom and simulator	2	1 day
RAD 2.2.4	Scenario 4 – Basic maritime interdiction (MI) and search and rescue (SAR) mission	Classroom and simulator	2	1 day
RAD 2.2.5	Scenario 5 – Overland support mission into dynamic maritime tasking	Classroom and simulator	2	1 day



## Introduction to MPA operations course (5 weeks)

### General description

The course provides the basic theoretical and practical skills required when operating a maritime patrol aircraft (MPA). As more countries invest in the technological capabilities of their maritime forces, MPA are being increasingly equipped with complex, multi-mode sensors. This requires highly skilled operators who, when working as a crew on an MPA, can maximise the combined capabilities of the sensors. The course covers relevant theory, basic operating procedures and functional skills. It exercises the sensor operators and tactical director as a crew in demanding and varied scenarios using a generic MPA simulator.

### Input standard

The course requires a basic level of knowledge and ability, similar to that of GCSE at level C or above, in the following disciplines: mathematics and physics. The student should be able to carry out relatively simple mental arithmetic such as speed/distance/time calculations quickly and accurately. A conversational level of English is required for the classroom content to be understood and for the radio communications practical exercises and previous experience in basic radio communications is required, including the use of call signs, phonetic alphabet, basic communication equipment manipulation, simple message formats and basic tactical awareness.

### Output standard

On successful completion, the students will be able to operate a generic MPA under supervision. The student will be able to cope with tactical aircraft positioning in demanding situations, applying the core concepts to all aircraft and sensors.

### Duration

5 weeks

### Course size

4 – 6

### Price

POA

### Pre-requisites

Organisations must ensure that their prospective participating students meet the required input standards. The participants allocated to the course should include a spread of the sensor operators and tactical directors. In the event that the students are not at the required input standard, additional training can be provided to achieve the standards. The "Introduction to aviation" module can be delivered at the start of the course to meet the communications and experience criteria.

### Assessment

Assessment takes the form of formative feedback. Customer assessment strategies can be adopted on a case by case basis.

### Course content

The course content will vary depending on the customer's MPA capabilities and is available on request.

## CBT Computer Based Training (CBT)

### General description

Computer Based Training can be provided for all courses and modules. The CBT modules can be hosted on ASG's Learning Management System (LMS) and accessed through a licensing agreement. If the customer has their own LMS, the modules can be provided in the correct format for installation on their system.

### Price

POA

