

# **IAGSA Member Self-Assessment Questionnaire**

Company Name: Xcalibu	ır Aviation (Austra	alia) Pty Ltd		
Location: Perth			Audit completed by: Self Review	
Date of Audit: October 1	7, 2023			
Pre-audit questionnaire	completed by: Tin	n Bailey		
Activity data reported?	Yes			
All incidents reported?	Yes			
Key Personnel	<u>Name</u>	<u>Email</u>	<u>Te</u>	elephone
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Total # Employees:	90			



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Organization – Safety Management Systems				
Title	IAGSA Recommendation	Compliance	Explanation of Compliance	
		Level		
			of a Safety Management System which includes,	
	as a minimum, the basic components a	nd elements outlined		
Safety Policy	Do you have a Health and Safety		This SMS Section All defined within:	
Statement and	Policy Statement which outlines the		2_AUS_HSE_001 HSE OMS Manual	
Objectives	accountable manager's commitment	⊠ Yes		
	to, and responsibility for safety? (The			
	wording of the policy should reflect the company's philosophy on managing safety and	☐ No		
	should become the foundation on which the			
	company's SMS is built.)			
	Are specific Health and Safety	No.		
	performance goals set and	⊠ Yes		
	measured? (examples may include X%	□ No		
	reduction in injuries, training completion targets, timeframes for follow up to reported			
	issues, etc.)			
	Are specific accountabilities defined			
	for those personnel who hold	⊠ Yes		
	positions of responsibility and/or	□ No		
	authority within the organisation that			
	have a direct effect on the safety of			
	the operation?			
	Does the SMS identify key personnel	⊠ Yes		
	responsible for the implementation,			
	maintenance and overall function of the SMS?	☐ No		
	trie Sivis?			



	Is emergency response planning including coordination with clients, emergency services and other organizations defined and documented?	Yes No	
	Are all safety processes, policies and practices which define the SMS documented?	Yes No	
	Does your SMS documentation identify which records must be retained and the period for which they shall be retained for?	Yes No	
	Do you have a drug and alcohol policy including a program to implement that policy?	Yes No	
Safety Risk Management	The process of risk management involve assess their associated risk levels, and		e systematic methods to identify hazards, to
	Does your SMS outline a Hazard Identification process for examining each aspect of the company's operations for the purpose of identifying anything (e.g. conditions, situations, practices, behaviors, etc.) that has the potential to cause harm?	Yes No	
	Does your SMS define a safety reporting process so that safety	Yes	



hazards / concerns can be identified, and appropriate actions can be taken?		No	
Does your SMS define a process for assessing risk (actual and potential) of	$\boxtimes$	Yes	
all reported hazards?		No	
Does you SMS outline a process for the measurement of safety	$\boxtimes$	Yes	
towards goals and objectives?		No	
Does your SMS define a process for internal audits and inspections to	$\boxtimes$	Yes	
and procedures are being followed?		No	
the investigation of safety hazards,	$\boxtimes$	Yes	
of identifying root causes?		No	
identify and assess the safety impact	$\boxtimes$	Yes	
safety? (examples include introduction of a new aircraft type, a new maintenance		No	
Does your SMS define a process for continual improvement?	$\boxtimes$	Yes	
		No	
	and appropriate actions can be taken?  Does your SMS define a process for assessing risk (actual and potential) of all reported hazards?  Does you SMS outline a process for the measurement of safety performance including progress towards goals and objectives?  Does your SMS define a process for internal audits and inspections to provide assurance that the policies and procedures are being followed?  Does your SMS define a process for the investigation of safety hazards, incidents and accidents with the aim of identifying root causes?  Does your SMS define a process to identify and assess the safety impact of any changes that pose a risk to safety? (examples include introduction of a new aircraft type, a new maintenance procedure, changes to key personnel, etc.)  Does your SMS define a process for	and appropriate actions can be taken?  Does your SMS define a process for assessing risk (actual and potential) of all reported hazards?  Does you SMS outline a process for the measurement of safety performance including progress towards goals and objectives?  Does your SMS define a process for internal audits and inspections to provide assurance that the policies and procedures are being followed?  Does your SMS define a process for the investigation of safety hazards, incidents and accidents with the aim of identifying root causes?  Does your SMS define a process to identify and assess the safety impact of any changes that pose a risk to safety? (examples include introduction of a new aircraft type, a new maintenance procedure, changes to key personnel, etc.)  Does your SMS define a process for	and appropriate actions can be taken?  Does your SMS define a process for assessing risk (actual and potential) of all reported hazards?  □ No  Does you SMS outline a process for the measurement of safety performance including progress towards goals and objectives?  □ No  Does your SMS define a process for internal audits and inspections to provide assurance that the policies and procedures are being followed?  □ No  Does your SMS define a process for the investigation of safety hazards, incidents and accidents with the aim of identifying root causes?  □ No  □ No  □ Yes □ No □ No □ Yes □ No □ No □ Ves □ No



	Does the process for continual improvement define who is responsible to assess the effectiveness of the system?		
	Does the organization's top management, at planned intervals, review the SMS to ensure its continuing suitability, adequacy and effectiveness?		
Safety Promotion	Does your SMS include a mechanism through which lessons learned from safety event investigations and other safety-related activities are made available to all affected staff and stakeholders?  Does your SMS describe the minimum safety promotion applications acceptable to the company? (The complexity of the company's organisation and facility will determine what types of safety communications are required.)	<ul><li>✓ Yes</li><li>☐ No</li><li>✓ Yes</li><li>☐ No</li></ul>	
		<ul> <li>All Operations</li> </ul>	
Title	IAGSA Recommendation	Compliance Level	Explanation of Compliance
Survey Planning	The following is a list of IAGSA Recommoding airborne survey operations reg		rvey or terrain.
	Prior to commencing a survey, do you conduct a detailed IAGSA risk		



	assessment which identifies the safe survey height?	Sometimes Never	
	Prior to conducting a survey do you establish a crew rotation schedule which considers factors such as remoteness of site, severity of climate, quality of accommodation, food and personal considerations?	Always Sometimes Never	Crew rotation schedule is not set on a project by project basis. Company procedure always limits crew rotation lengths and stipulates minimum accommodation standards. Remaining factors addressed in fatigue assessment and project risk assessments
	Do you have a minimum temperature limit for cold weather operations?	Always Sometimes Never N/A	-40 Celsius 2_AUS_HSE_003 Aviation Standard
	Do you limit the use of aircraft heaters or air-conditioning in the interest of "clean" data?	Always Sometimes Never	



Do you require the use of oxygen for all aircrew for survey flights or portions thereof conducted above 10,000 feet ASL?	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	
Are aircrew members required to wear long trousers or a flight suit, closed shoes, have gloves available and clothing appropriate for the environmental conditions?	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	3
For fixed wing surveys, is a risk assessment conducted to determine whether or not helmets should be worn by the flight crew members?	<ul><li> Always</li><li> Sometimes</li><li> Never</li><li> N/A</li></ul>	Helmet use is compulsory – use is used as a mitigation
For helicopter surveys, are the flight crew members required to wear a flight helmet?	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	3
Are flight crew members paid or given an incentive based upon hours or kilometers flown?	☐ Always ☐ Sometimes	3



Emergency Response Planning	Do you develop project specific emergency response plans for each project?	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	
	Does your company have an overall crisis management plan?		
Flight Following	Do you operate a satellite tracking system on all aircraft?	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	Spidertracks
	Is the position reporting frequency of the tracking system set to 2 minute intervals as a minimum?		
Single Pilot Only Surveys	Do you conduct single Pilot Only Surveys (no equipment operator)?	<ul><li>☐ Always</li><li>☒ Sometimes</li><li>☐ Never</li></ul>	



	If so, does the Pilot have equipment operation duties in addition to those normally associated with flying the aircraft?  Are additional risks associated with single pilot only operations detailed in the risk assessment?	<ul> <li>□ Always</li> <li>□ Sometimes</li> <li>⋈ Never</li> <li>□ N/A</li> <li>⋈ Always</li> <li>□ Sometimes</li> <li>□ Never</li> <li>□ N/A</li> </ul>	Including specific fatigue risk assessment
	Operat	ing Standards	
Minimum safe survey speeds	Are minimum safe survey speeds for single engine aircraft calculated at 130% of clean stall speed (Vs)?	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	
	Are minimum safe survey speeds for Multi-engine aircraft: 110% of best single engine rate of climb speed	<ul><li>✓ Always</li><li>✓ Sometimes</li></ul>	



	(Vyse), or minimum safe single engine speed (Vsse, if published)?	☐ Never	
Minimum Fuel Standard	Is fuel planning for survey flights based upon 110% of planned consumption?	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	
	Is minimum reserve fuel calculated as 30 minutes for fixed wing and 20 minutes for helicopter at normal cruise consumption rates?	<ul><li>☑ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	
	Do planned minimum fuel reserves consider site specific contingencies?	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	
Flight and Duty Times	Are the following Flight & Duty Times adhered to?		
Single Pilot Operation Maximum Flight Times	A maximum of 8 hours flight time per day.	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	



A maximum of 5 hours flight time on survey per day (excluding transit time)	<ul><li>☐ Always</li><li>☑ Sometimes</li><li>☐ Never</li></ul>	Can be extended to 7hrs if a Fatigue Management Plan is in place
A maximum of 40 hours flight time in any 7 consecutive day period	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	Can be extended to 45hrs if a Fatigue Management Plan is in place. Maximum of 45 hours used in helicopter operations
A maximum of 100 hours flight time in any consecutive 28 day period.	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	Can be extended to 120hrs if a Fatigue Management Plan is in place. In jurisdictions with more stringent regulatory limits the regulation is followed
A maximum of 1000 hours in any consecutive 365 day period.	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	
If extensions to the single pilot flight times are used has the extension criteria recommended by IAGSA been met?	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	



		□ N/A	
Dual Pilot	A maximum of 10 hours flight time per		
Operations Maximum Flight	day.	Sometimes	
times		☐ Never	
	A maximum of 8 hours flight time on		
	survey (excluding transit time).	Sometimes	
		☐ Never	
	A maximum of 45 hours flight time in		
	any consecutive 7 day period.	Sometimes	
		☐ Never	
	A maximum of 120 hours flight time in		
	any consecutive 28 day period.	Sometimes	
		☐ Never	
	A maximum of 1200 hours flight time in any consecutive 365 day period.		
		Sometimes	
		☐ Never	



Maximum Duty Times	The maximum duty time in any one day shall not exceed 14 hours	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	
	The pilot shall have a minimum of 2 days rest within a 14 day period. These may be taken separately or together. If taken separately, one day rest shall be defined as 30 consecutive hours free from duty.	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	
Emergency Beacon / Radio	Is each aircrew member required to carry on their person essential survival items including: a personal locator beacon means to start a fire, knife and a signal mirror?	<ul><li>☐ Always</li><li>☑ Sometimes</li><li>☐ Never</li></ul>	Not always carried on the pilot, in these cases it is stored within reach. Difference to be addressed.
Fuel Quality Control – Storage Tanks	of this quality control and take all availal  Is there a procedure in place to ensure unknown or questionable:	ble means to ensure	ecks are required anytime a fuel source is
	Check that Fuel Quality Control Check and Delivery documents are current and available.	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	2_AUS_HSE_004 Aircraft Refuelling



Check that the fuel servicing vehicle / facility is identified with the fuel type handled.	<ul><li>☑ Always</li><li>☐ Sometimes</li></ul>	
	☐ Never	
Check that the facility is clean and maintained.		
	Sometimes	
	☐ Never	
Check that bonding wires and connections are in good condition.		
	☐ Sometimes	
	☐ Never	
Check that filter systems are in place and date of last element replacement.		
	☐ Sometimes	
	☐ Never	
Check that a sample is clear and bright downstream of the filter.		
	☐ Sometimes	
	☐ Never	



	Request or conduct a water test with paste or syringe and capsules.			
		☐ Sometimes		
		☐ Never		
	Check that a sample from the low point of the tank is clear bright and			
	free of water. If there is no low point water drain, do a dip of the tank using	☐ Sometimes		
	water paste.	☐ Never		
Fuel Quality Control - Drums	When using drummed fuel are there procedures in place to ensure the following requirements?			
	Verify the expiry date of the drums.		2_AUS_HSE_004 Aircraft Refuelling	
		☐ Sometimes		
		☐ Never		
	A "go no-go" filter be used for all refueling from drums.			
		Sometimes		
		☐ Never		
	All drum fuel is visually checked for clarity and color and water tested with	⊠ Always		



paste or fuel syringe and capsules before use.	Some Never		
Only clearly branded drums with both seals intact are be used unless the pilot knows the "history" of the drum since the seals were broken and retests the fuel for contamination before use.	<ul><li></li></ul>	times	
Aircraft sump drains be checked before the first flight of the day and after each refueling.	<ul><li></li></ul>		
Drums are stored on their sides, clear of the ground with bungs horizontal in an area not subject to flooding. Undercover storage should be considered if drum stock are to be kept for a long time.	<ul><li>✓ Alway</li><li>✓ Some</li><li>✓ Never</li></ul>	times	For short term storage on a survey drums can also be stored vertically using purpose built covers that prevent moisture ingress
When not in use, fuel pumps are protected from water and other contamination.	<ul><li></li></ul>		



	Bungs should be sealed and the drum placed on its side for short term storage (i.e. overnight) of a partially filled drum.	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	For short term storage on a survey drums can also be stored vertically using purpose built covers that prevent moisture ingress
Night Surveys	with a smooth air requirement, such as	for gravity surveys, it as there are adequat	VMC, but if the low height is removed coupled may be desirable to conduct night flights. Such the procedures to prevent a "controlled flight into tts:
	Are night surveys flown at least 1000 feet above all obstacles within the operational area and a 10 nautical mile buffer around the operational area? Does the operational area include the maneuvering area for line turns and lead-ins?	<ul><li>☐ Always</li><li>☐ Sometimes</li><li>☐ Never</li><li>☒ N/A</li></ul>	
	Is a VMC reconnaissance flight performed in each block?	<ul><li>☐ Always</li><li>☐ Sometimes</li><li>☐ Never</li><li>☒ N/A</li></ul>	



Monitoring of radios	During survey flights, are radios and transponders turned on and selected to the appropriate ATC or flight service frequencies. Additionally, equipment permitting, common air to air and emergency frequencies (121.5MHz) should also be monitored.	<ul><li></li></ul>	
Turning Radius			rgin above the stall speed, however in a steep g and a stall in the turn at low level will likely
	Towad Co	eophysical Arrays	6
_		<u> </u>	
Towed Geophysical Arrays – All	rotary or fixed wing aircraft.	eys utilizing geophysi	ical arrays suspended below and/or towed by
aircraft types	Do you operate towed geophysical arrays?	⊠ Yes	
		☐ No	



Does the towed array have an STC/LSTC, engineering order or other similar certificate or statement describing array specifications and flight test data?	Yes - FW No - Heli N/A	Not all CAA's will issue STC's for helicopter towed arrays. Related equipment installed on or in the aircraft always has an STC or EO.
Is there an Operating Manual for each array?	Yes No N/A	
Does the Operating manual identify the maximum safe operating airspeed for the array?	Yes No N/A	
Does the Operating Manual contain a parts list and maintenance manual containing the critical design specification for all parts and elements of the array?	Yes No N/A	Information in Separate Manuals as part of overall Operating Manual Suite
Does the Operations Manual contain a pre-flight checklist?	Yes No N/A	



	Does the Operations Manual contain a schedule for routine preventative maintenance, recorded inspections and testing?	☐ Yes ☑ No ☐ N/A	Operations manual does not always specifically cover preventative maintenance. Maintenance carried out based on result of inspections and/or in accordance with the Instructions for Continued Airworthiness contained in EO's and STC documentation
	Is there a procedure in place to ensure that all required maintenance, inspections and testing are up to date prior to job start?	☐ N/A  ☐ Yes ☐ No	
	Is all maintenance performed by a qualified person endorsed by the manufacturer or operator?	<ul><li>□ N/A</li><li>⊠ Yes</li><li>□ No</li></ul>	
Towed Geophysical Arrays – Rotary Wing Aircraft	Has the cable weight and length been determined by an aeronautical engineer as to minimize the potential for cable recoil into main and tail rotors following the loss of load?	<ul><li>N/A</li><li>Yes</li><li>No</li><li>N/A</li></ul>	
	Is there a weak link incorporated into the load bearing cable?	⊠ Yes	



	□ N/A	
Is the weak link located as close as possible to the attachment hook of the helicopter?	<ul><li>✓ Yes</li><li>☐ No</li><li>☐ N/A</li></ul>	
Has the breaking strain of the weak link been specified by an aeronautical engineer?	<ul><li>✓ Yes</li><li>☐ No</li><li>☐ N/A</li></ul>	
Is the maximum towed array airspeed and VNE (Velocity Never Exceed) placard placed on the aircraft instrument panel in the Pilot's view?	<ul><li>✓ Yes</li><li>☐ No</li><li>☐ N/A</li></ul>	
Does the cargo hook arrangement allow the pilot to jettison the load without removing his/her hands from the flight controls? Do procedures include the requirement to test the helicopter cargo hook release mechanism?	<ul><li></li></ul>	



Taurad			1
Towed Geophysical	Is the aircraft fitted with a shearing mechanism which can cut the tow		
Arrays – Fixed Wing	cable when the array needs to be jettisoned?	☐ No	
		□ N/A	
	Does the tow cable have a breaking strain which minimizes damage to the	⊠ Yes	
	aircraft in the event the array snagged with ground objects?	☐ No	
		□ N/A	
	Geophysical S	Survey Flight Tra	ining
Training and Experience – All	Does your training program contain a syllabus for low level geophysical	Survey Flight Tra	nining
	Does your training program contain a		ining
Experience – All	Does your training program contain a syllabus for low level geophysical	⊠ Yes	lining
Experience – All	Does your training program contain a syllabus for low level geophysical flight training?  Does the Pilot training syllabus reflect		ining
Experience – All	Does your training program contain a syllabus for low level geophysical flight training?  Does the Pilot training syllabus reflect	<ul><li>✓ Yes</li><li>✓ No</li><li>✓ Yes</li></ul>	ining



Simulator Training	In addition to the training in the actual aircraft, do pilots, where practical, undergo simulator training in a type specific simulator representing the aircraft being flown on survey? If so, at what frequency?	<ul><li>☐ Always</li><li>☑ Sometimes</li><li>☐ Never</li><li>☐ N/A</li></ul>	When it is possible to access a simulator
	Overwater ar	nd Offshore Surv	/eys
Minimum requirements for Over water and Off Shore Surveys	The following recommendations apply to rotary wing aircraft.	o all overwater and o	ff shore surveys flown in both fixed wing and
Training – Overwater & Offshore Surveys	Is Underwater Escape Training completed within the preceding three years before undertaking the over water or offshore survey.	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	
	Are Ditching & Emergency Evacuation Procedures reviewed, crew members thoroughly briefed and simulated training to be conducted at the work site prior to the start of all over water or offshore work. This review should include a review of general emergency procedures that could potentially lead to a ditching and a	<ul><li>✓ Always</li><li>☐ Sometimes</li><li>☐ Never</li></ul>	



	discussion on the significance of sea state/wave height on ditching.		
Training - Off Shore Surveys	In addition to the above items, the following are to be included in offshore training:		
	Does Initial Training consist of a minimum of 10 hours training conducted by a pilot who has a minimum of 100 hours Offshore experience?	☐ Yes ☑ No	
	Does Recurrent Training consist of a minimum of 5 hours training conducted annually by a pilot with the same qualifications as for the initial training: or prior to the start of an Offshore survey if pilot has completed the initial training but has not flown Offshore for more than 90 days?	☐ Yes ⊠ No	
	Alternatively, the above experience requirements may be waived if the Operator has in place a competency based training program which includes Offshore operations.		Offshore training requirements in MPH_PER_HSE_MAP_008E Fixed Wing Competency Based Training
Type of Aircraft – Over water / Offshore Operations	the exposure that would follow are low	then the emphasis m he aircraft criteria ma	ditions where the odds of surviving a ditching or ust be placed on choosing an aircraft that reduces by be somewhat less stringent in less harsh ue are good.



	For any survey that is over water or offshore in an area where rescue is not likely to occur within an anticipated acceptable exposure time and/or where anticipated sea states would make a successful ditching unlikely, is the use of a multi engine aircraft with performance characteristics such that in the event of an engine failure during an over water survey it can climb from survey height to 500 feet and return to shore or during an offshore survey it can climb from survey height and maintain prolonged flight on the remaining engine(s) to return to a suitable airport at the minimum IFR altitude utilized?	Always Sometimes Never	
	Are single engine piston aircraft used for over water/offshore surveys?	Always Sometimes Never	
Aircraft equipment – Offshore	Are aircraft equipped with at least the following gyroscopic instruments, each of which must be independent of the others:  2 x attitude indicator; 2 x heading indicator; 2 x turn and slip indicator or turn coordinator?	Yes No	



If a second pilot is to be part of the crew, is there a complete second set of basic flight instruments (attitude indicator, gyroscopic heading indicator, turn and slip or turn coordinator airspeed, altimeter, vertical speed) installed at the copilot's seating position?		
Are there at least two (2) independent power sources to drive the gyroscopic instruments?  - this may mean two vacuum pumps with all air driven gyroscopes or a mixture of air driven and electric gyroscopes provided loss of one power source leaves operational one set of three gyroscopic instruments (attitude, heading and turn rate indicators)	⊠ Yes □ No	
Is there a radio or radar altimeter with a means of alerting the crew when height above the water falls below a minimum safety height selected by the crew? Is there a means of testing the alerting device prior to flight?		
Is there a minimum of one instantaneous vertical speed indicator	⊠ Yes	



	(IVSI) to provide an instant alert of descent	☐ No	
	Do you require the use of weather radar where thunderstorms are	☐ Always	Where available
	present or could be expected?		
		☐ Never	
	Are Rotary wing aircraft equipped with floatation aids such as "pop-outs	☐ Always	When working over water - Exceptions for twin engine helicopters assessed in the management
	floats"?		of change process
		☐ Never	
Emergency Equipment – Offshore Surveys	An upper torso restraint system, with a preference for a four point harness, for each crew member	⊠ Yes	
		☐ No	
	Are aircraft equipped with a 406 MHZ ELT?	⊠ Yes	
		☐ No	
	Is the crew provided a covered life raft with a self erecting canopy that is equipped with a 406 MHZ ELT and normal emergency survival equipment? Does raft should include	⊠ Yes	



	an inflatable floor for cold water operations?			
	Are constant wear dual chamber life vests that contain an ELT aELT/EPIRB, flares and a signal mirror, worn by each crew member?			
	Are immersion/exposure suits worn if water and air temperatures warrant?			
	Are all helmets and headsets fitted with double disconnect cords?			
Weather – Offshore Surveys	Are Offshore survey flights conducted under VMC with minimums of 5 miles visibility and 1000 foot ceiling in the survey area?	☐ Yes ⊠ No	4 SM – See 2.4.3.1 - Weather NOD	
	Is a thorough weather briefing solicited (if available) and does it should include sea state/wave height and wind maximums in the survey area?		Where possible – location dependant	
Supplemental Safety Training Requirements				



Fire Extinguisher Training	Do all crew members on survey flights, including equipment operators, receive annual training in the use of fire extinguishers in fighting in flight fires?		Yes No	Fire extinguisher training required within 3 years  – See 3.9 - Fire Extinguisher NOD
Survey Crew Resource Management Training	Is Survey Crew Resource Management training provided to all crew members assigned to survey operations including: geophysicists; pilots; equipment operators; maintenance engineers; field technicians and field support staff at intervals not exceeding three years?		Yes No	
Flight Performance Monitoring				ng
Performance Monitoring	Are performance parameters, including aircraft speed, height above terrain and drape, periodically reviewed using data collected during surveys?		Always Sometimes Never	
	Is the frequency of review such that any discrepancies on a particular survey or by a particular pilot can be identified as early as possible?		Always Sometimes Never	