CAAT สำนักงานการบินพลเรือนแห่งประเทศไทย The Civil Aviation Authority of Thailand	Airworthiness and Aircraft Engineering Department	Checklist for General Aviation Aeroplane Equipment Inspection AID

Operator :	Aircraft Registration :	Place of Inspection :
Aircraft Type :	MTOW (KG.) :	Date of Inspection :

GENERAL - ALL AEROPLANE ON ALL FLIGHT

Item	Reference	Check Item	Minimum Equipment Required	Assessment			Method of Compliance	CAAT Verification
				S	U/S	N/A		
1	GA-P1A.501, 501.3.1 (a)	An Accessible First-Aid Kit	1					
2	GA-P1A.501, 501.3.1 (b)	Portable Fire Extinguishers *(Type which, when discharged, will not cause dangerous contamination of the air within the aircraft)* *For First Individual C of A Since 31 Dec 2018:* (No substances that deplete the Ozone Layer as listed in the 1987 Montreal Protocol on, ICAO Annex A, Group II)	Cockpit : 1 Each Cabin Compartment : 1					
3	GA-P1A.501, 501.3.2	Built in Fire Extinguishers Agents (Type which, when discharged, will not cause dangerous contamination of the air within the aircraft) *For First Individual C of A Since 31 Dec 2011:* *(No substances that deplete the Ozone Layer as listed in the 1987 Montreal Protocol on, ICAO Annex A, Group II)*	Each Lavatory Disposal Receptacle : 1					
4	GA-P1A.501, 501.3.1 (c) (1)	Seat or Berth	Each Person (> 2 Yrs Old)					
5	GA-P1A.501, 501.3.1 (c) (2)	Seat Belts	Each Seat: 1					
6		Restraining Belts	Each Berth: 1					
7	GA-P1A.501, 501.3.1 (c) (3)	Safety Harness	Each Flight Crew Seat : 1					
8	GA-P1A.501, 501.3.1 (d) (1) & GA-P2A.802, 802, 802.2 (b)	**Flight Manual** or other documents or information concerning any operating limitations prescribed for the Aircraft by the CAAT or Manufacturer	Suitable for AC Type					
9	GA-P1A.501, 501.3.1 (d) (3)	**Current and Suitable Charts** for the route of the proposed flight and all routes along which it was reasonable to expect that the flight may be diverted	Suitable for Area Overflown / Diversion					
10	GA-P1A.501, 501.3.1 (d) (4)	Procedures for pilots-in-command of Intercepted Aircraft	1					
11	GA-P1A.501, 501.3.1 (d) (5)	**List of Visual Signals** for use by intercepting and intercepted aircraft, as prescribed in Regulation of the Civil Aviaiton Board No.94 on Rule of the Air	1					
12	GA-P1A.501, 501.3.1 (d) (6)	Journey log book for the Aircraft;	1					

GENERAL - ALL AEROPLANE ON ALL FLIGHT (Continue)								
Item	Reference	Check Item	Minimum Equipment Required	Assessment			Method of Compliance	CAAT Verification
				S	U/S	N/A		
13	GA-P1A. 601, 601.2	Placards, Listings, Instrument Markings, or Combinations	As Prescribed by CAAT					
14	GA-P1A.501, 501.3.1 (f)	Ground-Air Signal Codes	As Required by SAR Purposes					
15	GA-P1A.501, 501.3.1 (d) (2)	Any Specific Approval Issued by CAAT	As Required by Operation					
16	GA-P1A.511, 511.1 & GA-P1A.511, 511.2 & GA-P1A.511, 511.3 & GA-P1A.511, 511.4	Any Type of ELT *(Operate in accordance w/ the relevant provision of ICAO Vol. III to Annex 10)* *For First Individual C of A After 1 July 2008:* Automatic ELT (Operates simultaneously on 406 MHz and 121.5 MHz)	1					
17	GA-P1A.418, 418.2.1 (a) & GA-P1A.418, 418.2.1 (b)	Navigation Equipment *(In accordance with its flight plan; and the requirements of air traffic services)*	As Required by Air Traffic Services					
18	GA-P1A.512 & GA-P2A.812, 812.1	Pressure - Altitude Reporting Transponder *(Transponder Mode C or S)*	1 (Unless Exempted by Authority)					
19	GA-P1A.514, 514.2 & GA-P2A.803, 803.2.1 (a)	*For All Turbine-Engine Aircraft w/ PAX Seating Configuration > 5* *& Required to be Operated by > 1 Pilot* *& First Individual C of A or Application for Type Certificate was Submitted Since 1 Jan 2016* CVR or CAR (Cockpit Audio Recorder) *(Capable of retaining the information recorded during at least the last 2 hours of their operation and shall not use magnetic tape or wire)*	1					
20	GA-P1A.514, 514.3	*For Aircraft w/ Controller-Pilot Datalink Communications Installed & Equipped w/ CVR & First Individual C of A or Modified Since 1 Jan 2016* Data Link Recorder (DLR) *(Shall record on a crash-protected flight recorder all data link communications messages. The minimum recording duration shall be equal to the duration of the CVR. Shall be able to be correlated to the recorded cockpit audio)*	1					

FOR SEA PLANE (AMPHIBIOUS INCLUDED) ONLY								
Item	Reference	Check Item	Minimum Equipment Required	Assessment			Method of Compliance	CAAT Verification
				S	U/S	N/A		
1	GA-P1A.503, 503.1 (b)	Equipment for Making Sound Signals	As Required by I.R.P.C.S.					
2	GA-P1A.503, 503.1 (c)	Anchor	1					
3	GA-P1A.503, 503.1 (d)	Sea Anchor (Drogue)	1					

FLIGHT OPERATION											
Item	Reference	Check Item	VFR	IFR	Night Flight	Minimum Equipment Required	Assessment			Method of Compliance	CAAT Verification
							S	U/S	N/A		
1	GA-P1A.502, 502.1 (a) (1) & GA-P1A.506, 506.1 (a) (1) & GA-P1A.507, 507.1 (a)	A Means of Measuring and Displaying Magnetic Heading *(Standby Magnetic Compass)*	✓	✓	✓	1					
2	GA-P1A.502, 502.1 (a) (2) & GA-P1A.506, 506.1 (a) (2) & GA-P1A.507, 507.1 (a)	A Means of Measuring and Displaying Barometric Altitude *(Altitude Indicator)*	✓	✓	✓	1					
3	GA-P1A.502, 502.1 (a) (3) & GA-P1A.506, 506.1 (a) (3) & GA-P1A.507, 507.1 (a)	A Means of Measuring and Displaying Indicated Airspeed *(Airspeed Indicator)*	✓	✓	✓	1 (For IFR: Condensation & Icing Prevention)					
4	GA-P1A.502, 502.1 (b) & GA-P1A.506, 506.1 (b) & GA-P1A.507, 507.1 (a)	A Means of Measuring and Displaying Time in Hours, Minutes and Seconds *(A Timepiece)*	✓	✓	✓	1					
5	GA-P1A.502, 502.2 & GA-P1A.506, 506.1 (a) (4) & GA-P1A.507, 507.1 (a)	A Means of Measuring and Displaying Turn-and-Slip *(Turn-and-Slip Indicator)*	✓ For Controlled Flight	✓	✓	1					
6	GA-P1A.502, 502.2 & GA-P1A.506, 506.1 (a) (5) & GA-P1A.507, 507.1 (a)	A Means of Measuring and Displaying Aircraft Attitude *(Aircraft Attitude Indicator)*		✓	✓	Each Pilot : 1					
7	GA-P1A.502, 502.2 & GA-P1A.506, 506.1 (a) (6) & GA-P1A.507, 507.1 (a)	A Means of Measuring and Displaying Stabilized Aircraft Heading *(Heading Indicator)*		✓	✓	1					
8	GA-P1A.502, 502.2 & GA-P1A.506, 506.1 (a) (7) & GA-P1A.507, 507.1 (a)	Power Supply Indicator for Gyroscopic Instruments		✓	✓	1					
9	GA-P1A.502, 502.2 & GA-P1A.506, 506.1 (a) (8) & GA-P1A.507, 507.1 (a)	A Means of Measuring and Displaying Outside Air Temperature *(Outside Air Temperature Indicator)*		✓	✓	1					
10	GA-P1A.502, 502.2 & GA-P1A.506, 506.1 (a) (9) & GA-P1A.507, 507.1 (a)	A Means of Measuring and Displaying Rate-of-climb and descent *(Vertical Speed Indicator)*		✓	✓	1					
11	GA-P1A.418, 418.1	Radio Communication Equipment *(Conducting two-way communication with those aeronautical stations and on specified frequencies. Each shall be independent of the other or others to the extent that a failure in any one will not result in failure of any other. Two-way communication by using emergency frequency 121.5 MHz)*		✓	✓	1					
12	GA-P1A.513	Microphones *(Boom or Throat microphones capable of operating below the transition level/altitude)*		✓		Sufficient for All Flight Crew					

FLIGHT OPERATION (Continue)												
Item	Reference	Check Item	VFR	IFR	Night Flight	Minimum Equipment Required	Assessment			Method of Compliance	CAAT Verification
							S	U/S	N/A		
13	GA-P1A.507, 507.1 (b)	Anti-Collision Light			✓	1 Set					
14		Navigation Light			✓	1 Set					
15	GA-P1A.507, 507.1 (c)	Landing lights			✓	1 Set					
16	GA-P1A.507, 507.1 (d)	Instrument Panel lighting			✓	1 Set					
17	GA-P1A.507, 507.1 (e)	Lights in all Passenger Compartments			✓	1 / Pax - Seat Row					
18	GA-P1A.507, 507.1 (f)	Independent Portable Light (Torch)			✓	1 / Crew Member Station					
AREA of OPERATION											
Item	Reference	Check Item	Flight Over Water	Extended Flight Over Water	Flight Over Designated Land Areas	Minimum Equipment Required	Assessment			Method of Compliance	CAAT Verification
							S	U/S	N/A		
Extended / Long-Range Flight Over Water: Flight Operated Over Water at a Distance of More than 93 km (50 NM), or 30 minutes at Normal Cruising Speed, whichever is Lesser, Away From Land Suitable for Making an Emergency Landing Flight Over Designated Land Areas: Flight Over Areas Designated by CAAT in which Search and Rescue Would Be Especially Difficult											
1	GA-P1A.503, 503.1 (a) & GA-P1A.503, 503.2 & GA-P1A.503, 503.3.1	Life Jacket, or Equivalent Individual Floatation Device *(Stowed in a position readily accessible from the seat or berth)*	✓	✓		Each Person : 1					
2	GA-P1A.503, 503.3.2 (a) & GA-P2A.804, 804.1 (a)	Life-Saving Rafts *(Stowed so as to facilitate their ready use in emergency, provided with such life saving equipment, including means of sustaining lise, as is appropriate to the flight to be undertaken)*		✓		Sufficient to Carry All Person On Board					
3	GA-P1A.503, 503.3.2 (b) & GA-P2A.804, 804.1 (b)	Equipment for Making Distress Signals *(Prescribed in Regulation of Civil Aviation Board No. 94 on Rule of the Air)*		✓		1					
4	GA-P1A.504, 504.1	Signalling Devices			✓	1					
5		Life-Saving Equipment *(Including Means of Sustaining Life & Apprppriate to Area Overflown)*			✓	1					

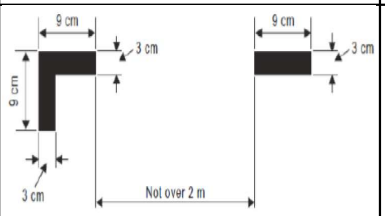
FLIGHT CONDITION								
Item	Reference	Check Item	Minimum Equipment Required	Assessment			Method of Compliance	CAAT Verification
				S	U/S	N/A		
1	GA-P1A.203, 203.9.2 (a) & GA-P1A.203, 203.9.2 (b) & GA-P1A.505, 505.1 & GA-P2A.805, 805.2	*For Unpressurized Aircraft Operating at Alt. > 10,000 ft.* Oxygen Storage and Dispensing Apparatus *(Sufficient to Supply All Crew & At Least 10% of PAX for more that 30 minutes that the pressure in compartments occupied by them will be between 700 hPa and 620 hPa & Sufficient to Supply All Crew & PAX for any period of time that the atmospheric pressure in compartments occupied by them will be less than 620 hP a)*	As Prescirbed					
2	GA-P1A.203, 203.9.3 & GA-P1A.505, 505.2 & GA-P2A.805, 805.1	*For Operating at Alt. > 10,000 ft.* Oxygen Storage and Dispensing Apparatus *(In the event of loss of pressurization, Sufficient to Supply All Crew & PAX for any period of time for any period that the atmospheric pressure in any compartment occupied by them would be less than 700 hPa* *For Operating at Alt. > 25,000 ft.* *or Alt < 25,000 ft. but CANNOT Descend Safely to 13,000 ft. within 4 Mins.:* *Sufficient to Supply All Crew & PAX for 10 minutes)*	As Prescirbed					
3	GA-P1A.203, 203.10.2	*For Operating at Alt. > 25,000 ft.* A Quick Donning Type of Mask	Each Flight Duty Station : 1					
4	GA-P1A.505, 505.2	*For Operating at Alt. > 25,000 ft.* Device to provide positive warning to the flight crew of any dangerous loss of pressurization	1					
FOR AEROPLANE with MTOW <= 5,700 KG								
Item	Reference	Check Item	Minimum Equipment Required	Assessment			Method of Compliance	CAAT Verification
				S	U/S	N/A		
1	GA-P1A.514, 514.1.1 (a) (1) & GA-P1A.514, 514.1.1 (a) (2) & GA-P1A.514, 514.1.1 (a) (3) & GA-P1A.514, 514.1.2 & GA-P1A.514, 514.1.3	*For All Turbine-Engine Aircraft w/ PAX Seating Configuration > 5 & First Individual C of A Since 1 Jan 2016* FDR *(Which record at least the first 16 parameters in Table K-1 of Appendix K)* *or* Class C AIR or AIRS *(Which record at least the flight path and speed parameters displayed to the pilot(s), as defined in 2.2.2 of Appendix K and shall not use engraving metal foil, frequency modulation (FM), photographic film or magnetic tape)* *or* ADRS *(Which record at least the first 7 parameters listed in Table K-3 of Appendix K and shall not use engraving metal foil, frequency modulation (FM), photographic film or magnetic tape)*	1					

FOR AEROPLANE with MTOW>5,700 KG or TURBOJET ENGINE or MAX. SEATING CONFIG > 9								
Item	Reference	Check Item	Minimum Equipment Required	Assessment			Method of Compliance	CAAT Verification
				S	U/S	N/A		
1	GA-P2A.802, 802.1 (a)	Accessible Medical Supplies	Sufficient for PAX					
2	GA-P2A.810, 810.1 & GA-P2A.810, 810.2	*For Aircraft Carrying PAX and Required Cabin Crew Seats by TCDS & First Individual C of A Since 1 Jan 1981* Cabin Crew Seats *(Installed at a forward or rearward facing within 15 degrees of the longitudinal axis of the Aircraft &* *Fitted with a safety harness for the use of each cabin crew member required to satisfy the intent of assignment of emergency duties in respect of emergency evacuation &* *Located near floor level and other emergency exits as required by the State of Registry for emergency evacuation)*	As Required by TCDS					
3	GA-P2A.802, 802.1 (c)	Information and instructions are conveyed to passengers *(When seat belts are to be fastened.* *When and how oxygen equipment is to be used if the carriage of oxygen is required.* *Restrictions on smoking.* *Location and use of life jackets or equivalent individual flotation devices where their carriage is required.* *Location of emergency equipment.* *Location and method of opening emergency exits)*	As Prescribed					
4	GA-P2A.804, 804.2	*For Long Range Over Water Flight* Life Jacket, or Equivalent Individual Floatation Device *(Shall be equipped with a means of electric illumination for the purpose of facilitating the location of persons)*	Each Person : 1					
5	GA-P2A.809, 809.1	*For Operating at Alt. > 49,000 ft.* Radiation Indicator *(Measures and indicate continuously the dose rate of total cosmic radiation being received (i.e. the total of ionising and neutron radiation of galactic and solar origin) and the cumulative dose on each flight)*	1					
6	GA-P2A.802, 802.2 (c)	Checklists *(Shall be used by flight crews prior to, during and after all phases of operations, and in emergencies, to ensure compliance with the operating procedures contained in the aircraft operating manual and the Aircraft flight manual or other documents associated with the certificate of airworthiness and otherwise in the operations manual)*	Suitable for AC Type					
7	GA-P2A.802, 802.1 (b)	Safety Harness *(The safety harness for each pilot seat shall incorporate a device which will automatically restrain the occupant's torso in the event of rapid deceleration)*	Each Flight Crew : 1					

FOR AEROPLANE with MTOW>5,700 KG or TURBOJET ENGINE or MAX. SEATING CONFIG > 9 (Continue)								
Item	Reference	Check Item	Minimum Equipment Required	Assessment			Method of Compliance	CAAT Verification
				S	U/S	N/A		
8	GA-P2A.807, 807.1	*For Instrument Flight Rule (IFR)* Independent Altitude Measuring and Display Systems	2					
9	GA-P2A.807, 807.2.1	*For Newly Introduced Into Service After 1 Jan 1975* Emergency Power Supply *(Independent of the main electrical generating system for the purpose of operating and illuminating, for a minimum period of 30 minutes, an attitude indicating instrument (artificial horizon), clearly visible to the pilot-in-command..Automatically operative after the total failure of the main electrical generating system .Clear indication shall be given on the instrument panel that the attitude indicator(s) is being operated by emergency power)*	1					
10	GA-P2A.806, 806.1	*For Operating in Icing Condition* De-icing and/or Anti-icing Devices	Suitable for AC Type					
11	GA-P2A.808, 808.1	*For Pressurized Aircraft Carrying PAX* Weather-Detecting Equipment *(Capable of detecting thunderstorms whenever such aircrafts are being operated in areas where such conditions may be expected to exist along the route either at night or under instrument meteorological conditions)*	1					
12	GA-P1A.510, 510.1 & GA-P1A.510, 510.2 & GA-P1A.510, 510.3 & GA-P1A.510, 510.4	*For All Turbine-Engine Aircraft w/ MTOW > 5,700 KG, or Authorized to Carry > 9 PAX* GPWS *(Which has a forward-looking terrain avoidance function, shall provide automatically a timely and distinctive warning to the flight crew when the Aircraft is in potentially hazardous proximity to the earth's surface, at a minimum, warnings of at least the following circumstances:* *a) excessive descent rate;* *b) excessive altitude loss after take-off or go-around; and* *c) unsafe terrain clearance* *For First Individual C of A After 1 Jan 2011* a) excessive descent rate; b) excessive altitude loss after take-off or go-around; c) unsafe terrain clearance while not in landing configuration, which are gear not locked down and flaps not in a landing position; d) excessive terrain closure rate; and e) excessive descent below the instrument glide path)	1					

FOR AEROPLANE with MTOW>5,700 KG or TURBOJET ENGINE or MAX. SEATING CONFIG > 9 (Continue)								
Item	Reference	Check Item	Minimum Equipment Required	Assessment			Method of Compliance	CAAT Verification
				S	U/S	N/A		
13	GA-P2A.811	*For All Turbine-Engine Aircraft w/ MTOW > 15,000 KG. or Authorized to Carry > 30 PAX* *& First Individual C of A After 1 Jan 2007* Airborne Collision Avoidance System (ACAS II)	1					
14	GA-P2A.803, 803.1.1 (a) & GA-P1A.514, 514.1.1 (b) & GA-P1A.514, 514.1.1 (c) & GA-P2A.803, 803.1.1 (b) &	FDR *(Retain the information recorded during at least the last 25 hours of their operation & shall not use engraving metal foil, frequency modulation (FM), photographic film or magnetic tape)* *For First Individual C of A Since 1 Jan 2005:* (Which record at least the first 78 parameters in Table K-1 of Appendix K) *For First Individual C of A or Application for Type Certificate was Submitted Since 1 Jan 2023:* (Which record at least the first 82 parameters in Table K-1 of Appendix K) *For MTOW > 27,000 KG. & First Individual C of A Since 1 Jan 1989:* (Which record at least the first 32 parameters in Table K-1 of Appendix K)	1					
15	GA-P2A.803, 803.2.1 (b) & GA-P2A.803, 803.2.2	*For MTOW > 27,000 KG.* *& First Individual C of A Since 1 Jan 1987* CVR *(Capable of retaining the information recorded during at least the last 2 hours of their operation & shall not use magnetic tape or wire)* *For First Individual C of A Since 1 Jan 2021:* *(Capable of retaining the information recorded during at least the last 25 hours of its operationand & shall not use magnetic tape or wire)*	1					
16	GA-P2A.803, 803.2.3	*For Application for Type Certificate was Submitted Since 1 Jan 2016* Combination Recorder *(FDR w/ CVR)*	2					

SPECIAL OPERATIONS								
Item	Reference	Check Item	Minimum Equipment Required	Assessment			Method of Compliance	CAAT Verification
				S	U/S	N/A		
1	GA-P1A.418, 418.1.6 (a)	*For Performance Based Communication (PBC)* Communication Equipment	As Required by RCP Spec.					
2	GA-P1A.418, 418.2.2 (a)	*For Performance Based Navigation (PBN)* Navigation Equipment	As Required by RNP Spec.					
3	GA-P1A.418, 418.2.5 (a) & GA-P1A.418, 418.2.5 (b)	*For Minimum Navigation Performance Specification (MNPS)* Navigation Equipment	As Required by RNP Spec.					
4	GA-P1A.418, 418.2.6 (a)	*For Reduced Vertical Seperation Minima (RVSM)* Navigation Equipment	As Required by MASPS					
5	GA-P1A.418, 418.3.2 (a)	*For Performance Based Surveillance (PBS)* Surveillance Equipment	As Required by RSP Spec.					

OPTIONAL EQUIPMENTS								
Item	Reference	Check Item	Minimum Equipment Required	Assessment			Method of Compliance	CAAT Verification
				S	U/S	N/A		
1	GA-P1A.501, 501.3.1 (e)	*For aircraft w/ Fuse Block Accessible In Flight* Spare Electrical Fuses	Sufficient for Replacement					
2	GA-P1A.501, 501.4	*For Aircraft w/ Break-in Marked Fuselage* Break-In Marks *(Red or Yellow, using white paint if necessary)*						
3	GA-P1A.509	*For Aircraft w/ Speed Limitation in Mach no.* Mach No. Indicator	1					
4	GA-P1A.508, 508.1	*For Noise Certified Aircraft* A Document Attesting Noise Certification (Noise Certificate)	1					
5	GA-P1A.515, 515.3.1 (a)	*For Aircraft w/ EFB Installed* Electronic Flight Bag (EFB)	Appropriate Airworthiness Certification Requirements					
6	*GA-P1A.901, 901.1*	*For Aircraft w/ Automatic Landing System Installed* Automatic Landing Systems and A Head-Up Display (HUD) or equivalent displays, Enhanced Vision Systems (EVS), Synthetic Vision Systems (SVS) and/or Combined Vision Systems (CVS)	Appropriate Airworthiness Certification Requirements					

For Operator

Signature .....

Name - Surname .....

Date .....

For CAAT Inspectors

Inspector 1

Signature: .....

Name - Surname: .....

Date of Acceptance: .....

Inspector 2

Signature: .....

Name - Surname: .....

Date of Acceptance: .....