

แบบประเมินมาตรฐานหลักสูตรนักบินพาณิชย์ตรีของหน่วยงานราชการ แนบท้ายประกาศ กพท. เรื่อง หลักเกณฑ์การเทียบคุณสมบัติสำหรับผู้ขออนุญาตเป็นผู้ประจำหน้าที่นักบินพาณิชย์ตรีซึ่งทำการบินกับอากาศยานราชการ พ.ศ. ๒๕๖๔



THE CIVIL AVIATION AUTHORITY OF THAILAND								
แบบประเมินมาตรฐานหลักสูตรนักบินพาณิชย์ตรีของหน่วยงานราชการ								
Name of Organisation:	<i>To be filled</i>							
Address:	<i>To be filled</i>							
Accountable Manager: Email: Tel:	<i>To be filled</i>		Point of contact: Email: Tel:	<i>To be filled</i>				
FOR ORGANISATION			FOR CAAT OFFICIALS					
By signing below, I, as an authorised person of (<i>Name of Organisation</i>) hereby confirm that the information given on the self-assessment as well as the document attached herewith the checklist are entirely true, accurate, and complete. If it appears that any submitted information or document found to be untrue, false or obscure, I admit that CAAT has an authorization to cancelled the Approval course, or refuse to accept any learning outcomes from my organization.			No	Position	Name – Last Name	Signature		
			1.	PEL MANAGER			Date:	
			2.	HEAD of TO			Date:	
			3.	TO Officer			Date:	
			4.	TO Officer			Date:	
_____ (<i>Name Surname</i>) Date:			Verification Result : <input type="checkbox"/> Accept <input type="checkbox"/> Reject Remark					

Instructions

- 1) Inspector(s) shall mark “X” in either S or U column:
 - a. ‘S’ refers to satisfactory level. It shall be given if the ATO is able to provide valid documents, reliable records of implementation and demonstrate a sound knowledge if interview of relevant personnel are performed. Also, all sub-items must be satisfied.
 - b. ‘U’ refers to unsatisfactory level. It shall be given if any actions found not to be compliance with CAAT rules and regulations or not to be conformed to any organisation’s documentations as well as any actions being done without evidence of records.
- 2) ‘N/A’ shall be given in the ‘Remark Column’ to indicate when information in a certain table cell is not provided, either because it does not apply to a particular case in question or because the answer is not available

SECTION 1: เอกสารที่ใช้ประกอบการยื่นประเมินมาตรฐานหลักสูตร

1	คำขอ APPLICATION FOR NOMINATION FOR APPROVED TRAINING ORGANISATION PERSONNEL (FORM 4)
2	สำเนาบัตรประจำตัวเจ้าหน้าที่ของรัฐ หรือคำสั่งแต่งตั้งให้ดำรงตำแหน่งของส่วนราชการหรือหน่วยงาน
3	คู่มือหลักสูตร (Course manual) และรายละเอียดหลักสูตร (Course syllabus)
4	สำเนาใบสำคัญต้นแบบและรายละเอียดต้นแบบของอากาศยาน (Aircraft Type Certificate and Type Certificate Data Sheets)
5	สำเนาใบสำคัญสมควรเดินอากาศ (Certificate of Airworthiness) หรือเทียบเท่า
6	คู่มือประกอบการบิน (Aircraft Flight Manual) ของอากาศยานที่ใช้ในการฝึกอบรม
7	คู่มือเครื่องช่วยฝึกบิน (Simulator Manual) และเอกสารทดสอบคุณสมบัติเครื่องช่วยฝึกบิน (Qualification Test Guide : QTG)
8	คู่มือการซ่อมบำรุงเครื่องบินและเครื่องช่วยฝึกบิน (Aircraft and Simulator Maintenance Manual)
9	รายชื่อและคุณสมบัติของครูผู้สอนความรู้ภาคทฤษฎี และครูฝึกภาคปฏิบัติ
10	รายชื่อตำราและหนังสืออ้างอิงที่ใช้ในหลักสูตรการสอน
11	เอกสารหลักฐานที่แสดงข้อมูลเกี่ยวกับสิ่งอำนวยความสะดวกและอุปกรณ์ที่เหมาะสมและเพียงพอตามขนาดของสถาบันและหลักสูตร
12	เอกสารอื่นๆ ที่เกี่ยวข้อง (ถ้ามี)

SECTION 2: PERSONNEL AND TRAINING EQUIPMENT INFORMATION

	ผู้แทนหน่วยงาน	ผู้รับผิดชอบโดยตำแหน่ง หรือเทียบเท่า	สังกัด / ตำแหน่ง
1	ผู้แทนสถาบัน (Accountable executive)		
2	หัวหน้าด้านฝึกอบรม (Head of Training)		
3	ผู้จัดการบริการการเรียนการสอนบุคลากร (Instructional service manager)		
4	ผู้จัดการด้านประกันคุณภาพ (Quality manager)		
5	ผู้จัดการด้านซ่อมบำรุง (Maintenance manager)		
6	ผู้จัดการด้านความปลอดภัย (Safety manager)		

Training Devices Total Aircrafts = Total Simulators =

No.	Training Device(s)	Type	Qualification	Aircraft Registration	C of R no.	Aircraft Serial Number	C of A Certificate	C of A Expiry Date	Remark
1	Aircraft								
2	Aircraft								
3	Aircraft								
4	Aircraft								
5	Aircraft								

No.	Training Device(s)	Type	FSTD Qualification	Sim Certificate No.	Primary reference document	Serial Number	Expiry Date	Remark
1	Simulator							
2								

SECTION 3: ORGANISATION & STAFFING IMPLEMENTATION

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remarks
1	Does the organization have an appropriate organizational structure?		CAAT-ATO.B.E.2562, Clause 5(7)			
2	Is there org. has the following positions in conform with the employment policy stated in TPM? a) Accountable Executive; b) Head of Training; c) Instructional Services Manager; d) Quality Manager; e) Maintenance Manager; f) Safety Manager; and g) Chief of Theoretical/Practical (Simulator and Flight) Instructors; and h) Instructional Personnel, which consist of theoretical and practical instructors?	a) b) c) d) e) f) g) h)	CAAT-ATO.B.E.2562, Clause 5(7), (a)-(h)			
3	Is there appropriate number of practical and theoretical instructors relevant to the courses provided?		CAAT-ATO.B.E.2562, Clause 21.			
4	Has the Org. provided a staff training programme for all staff members ?		CAAT-ATO.B.E.2562, Appendix 2, Part 1, Section 2			
5	Has the Org. provided training for instructional personnel including: a) Standardized/initial training programme (both practical and theoretical trainings) for the instructors prior to perform their tasks as an instructor; b) Continuation Training/Proficiency checks and Upgrade training (if any); and c) Maintenance of competency	a) b) c)	CAAT-ATO.B.E.2562, Appendix 2, Part 1, Section 2			
6	Does the Org. have policy/procedures to control quality of outsourcing/part-time instructors and have records of implementation?		CAAT-ATO.B.E.2562, Appendix 4, 4			
7	Does the Org. have a function to monitor compliance with the applicable regulatory requirement and any additional requirements?		CAAT-ATO.B.E.2562, Clause 13(2)			
General Comments:						

SECTION 4: TRAINING AND PROCEDURES

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remarks
1	<p>Have the Org. implemented the following procedures?</p> <p>a) Procedures for verify qualifications of trainee before test;</p> <p>b) Procedures for Re-writing knowledge tests;</p> <p>c) Procedure for Test results and records of results;</p> <p>d) Procedure for Skill progress checks and skill tests;</p> <p>e) Procedures for knowledge progress test and knowledge test including types of examination, and passing requirements for knowledge tests;</p> <p>f) Test analysis, review, and administration (applicable to theoretical knowledge tests);</p> <p>g) Procedures to issue a graduated certificate and transcripts?</p> <p>h) Procedure or guideline for record pilot log book</p>	<p>a)</p> <p>b)</p> <p>c)</p> <p>d)</p> <p>e)</p> <p>f)</p> <p>g)</p> <p>h)</p>	<p>CAAT-ATO.B.E.2562, Appendix 2, Part 1, Section 3, 3.1 (5)</p> <p>Rules of CAAT on Theoretical and Practical Examination of Air Navigation B.E. 2562 (ระเบียบสำนักงานการบินพลเรือนแห่งประเทศไทย ว่าด้วยการทดสอบความรู้ภาคทฤษฎีและภาคปฏิบัติด้านการเดินอากาศ พ.ศ. 2562)</p>			
2	<p>Have the Org. implemented the policies and procedures regarding efficiency of training, which include details as follows:</p> <p>a) Procedures for coordinating with personnel who are responsible for training</p> <p>b) Requirements on reporting and reference documents</p> <p>c) Systems and procedures for obtaining feedback from trainees;</p> <p>d) Efficiency or competency standards of each phase of training to ensure compliance with the standards;</p> <p>e) Responsibilities of instructors and trainee with related to safety;</p> <p>f) Procedures for correcting defects that contribute to an unsatisfactory level of knowledge process;</p> <p>g) Instructor replacement procedure;</p> <p>h) Maximum number of times of instructor replacement;</p> <p>i) Training suspension procedures;</p> <p>j) Student disciplinary policy and have records of implementation (if any)?</p>	<p>a)</p> <p>b)</p> <p>c)</p> <p>d)</p> <p>e)</p> <p>f)</p> <p>g)</p> <p>h)</p> <p>i)</p> <p>j)</p>	<p>CAAT-ATO.B.E.2562, Appendix 2, Part 1, Section 3, 3.1(6)</p>			

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remarks
3	<p>Have the Org. implemented the flight operations procedures? (for aircraft training Org.)</p> <p>a) Approval of flight;</p> <p>b) Responsibilities of PIC;</p> <p>c) Procedures concerning (ATS) flight plans;</p> <p>d) Carriage of passengers;</p> <p>e) Operational control system;</p> <p>f) Report of safety risks, accident and incidents; <u>Aircraft Operating Information</u></p> <p>g) Certificate of Registry, Certificate of Airworthiness and Operating Limitation</p> <p>h) Aircraft performance limitations;</p> <p>i) Checklists (for Pilot and Maintenance);</p> <p>j) Standard operating procedures;</p> <p>k) Aircraft maintenance procedures;</p> <p>l) Baggage loading recommendations;</p> <p>m) Fuelling procedures <u>Routes</u></p> <p>n) Performance Criteria</p> <p>o) Flight planning procedures, consisting of:</p> <p>(1) Fuel quantity calculation;</p> <p>(2) Safe attitude for flight/En-route operations;</p> <p>(3) Emergency planning (e.g. distress, unforeseen situation);</p> <p>(4) Navigation equipment;</p> <p>p) Training routes and practice areas</p> <p>q) Weather minima, both in the daytime and night time, and flight operations in VFR and IFR conditions for training with Instructor;</p> <p>r) Weather minima for trainee <u>Flight Training Plan</u></p> <p>s) Weather limitation;</p> <p>t) Maximum daily, weekly and monthly hours of training for practical training, theoretical knowledge training and flight simulation training;</p>	<p>a)</p> <p>b)</p> <p>c)</p> <p>d)</p> <p>e)</p> <p>f)</p> <p>g)</p> <p>h)</p> <p>i)</p> <p>j)</p> <p>k)</p> <p>l)</p> <p>m)</p> <p>n)</p> <p>o-1)</p> <p>o-2)</p> <p>o-3)</p> <p>o-4)</p> <p>p)</p> <p>q)</p> <p>r)</p> <p>s)</p> <p>t)</p>	<p>CAAT-ATO.B.E.2562, Appendix 2, Part 2, Section 1, 1.2 (1)-(8)</p> <p>CAAT-ATO.B.E.2562, Appendix 2, Part 2, Section 3, 3.1, 3.2 (1)-(4), 3.3, 3.4, and 3.5</p> <p>CAAT-GM 2019, GENERAL AVIATION REQUIREMENTS, Part 1</p> <p>CAAT-ATO.B.E.2562, Appendix 2, Part 2, Section 4, 4.3(1)-(6)</p> <p>CAAT-Flight Time and Flight Duty Period Limitation B.E. 2559</p> <p>This item must be assessed by SME (Flight)</p> <p>* Evidence of implementation must be available</p> <p>* Interview and Demonstration may be required to perform during the audit.</p>			

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remarks
	<ul style="list-style-type: none"> u) Limitations on the training period of trainees; v) Maximum flight time for each trainee, both in the daytime and night time; w) Maximum number of flights for each trainee, both in the daytime and night time; x) Minimum rest period during training 	<ul style="list-style-type: none"> u) v) w) x) 				
General Comments:						

SECTION 5: STANDARDS OF TRAINING

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remarks
1	Does the Org. have all offered Course Manuals?		CAAT-ATO.B.E.2562, Clause 18(1)-(2)			
2	Does the Org. have standards of UPRT training syllabus under courses as required course(s) by CAAT, and the training is in accordance with the UPRT- GM prescribed by CAAT? [*Courses required for UPRT: CPL, MPL, ATPL, TR]		CAAT-ATO.B.E.2562, Clause 19(2) ACAAT-UPRT 2019 CAAT-PEL-GM 01 (UPRT Guidance Material 2019)			
3	Is the Org. able to demonstrate a sound quality of theoretical training delivery? a) Adequate training materials provided for both instructors and trainees; b) Instructor' performance c) Appropriate and effective equipment used for delivering theoretical training	<ul style="list-style-type: none"> a) b) c) 	CAAT-ATO.B.E.2562, Clause 13(3) – (4)			
4	Is the Org. able to demonstrate a sound quality of FSTD training delivery? a) Appropriate equipment used for the practical lesson; b) Suitable and safe training environment provided; c) Instructor' performance in relation to: (1) Determination of competency standards and minimum experience required, including activities that must be completed before proceeding to the next phase of training (2) an appropriate flight planning procedure;	<ul style="list-style-type: none"> a) b) c-1) c-2) 	CAAT-ATO.B.E.2562, Clause 13(3) – (4) CAAT-ATO.B.E.2562, Appendix 2, Part 1, Section 3, 3.2 (1)			

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remarks
	(3) appropriate pre flight briefings procedures with technical and non-technical threats and errors management; (4) appropriate post flight briefings procedures with technical and non-technical threats and errors management	<i>c-3)</i> <i>c-4)</i>				
5	Is the Org. able to demonstrate a sound quality of Flight training delivery? a) Appropriate aircraft used for the practical lesson; b) Suitable and safe training environment provided; c) Conduct flight procedure/safety procedure following the aircraft checklist/airplane flight manual; d) Instructor' performance in relation to: (1) Determination of competency standards and minimum experience required, including activities that must be completed before proceeding to the next phase of training (2) appropriate flight planning procedure; (3) appropriate pre flight briefings procedures with technical and non-technical threats and errors management; (4) appropriate safety related /emergency /abnormal briefings; (5) appropriate post flight briefings procedures technical and non-technical threats and errors management	<i>a)</i> <i>b)</i> <i>d-1)</i> <i>d-2)</i> <i>d-3)</i> <i>d-4)</i> <i>d-5)</i>	<i>CAAT-ATO.B.E.2562, Clause 13(3) – (4)</i> CAAT-ATO.B.E.2562, Appendix 2, Part 1, Section 3, 3.2 (1)			
6	Does the Org. use an appropriate Air Traffic Service or other acceptable means of air-to-ground communication?		<i>CAAT-ATO.B.E.2562, Appendix 6.</i> <i>RCAB 94</i>			
General Comments:						

SECTION 6: FACILITIES, TOOLS, EQUIPMENT & TRAINING DEVICES

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remarks
1	Does the Org. provide suitable facilities and area for: a) office/working areas for instructors and staff members? b) study room, examination room and reference facilities/library		CAAT-ATO.B.E.2562, Appendix 6			
2	Does the Org. have adequate storage and secured areas for storage of documents/records, personal information, and training information?		CAAT-ATO.B.E.2562, Appendix 6			
3	Does the Org. provide suitable classrooms with proper equipment for delivering effective theoretical training for current student's population size? (e.g. blackboard / flipchart / marker / overhead projector / Enough tables / chairs / Size of tables, quality of furniture, working space)		CAAT-ATO.B.E.2562, Appendix 6			
4	Are adequate and suitable training materials available for both instructors and students? (e.g. Textbooks, PowerPoint Slides, handouts, self-study materials, and demonstration equipment)		CAAT-ATO.B.E.2562, Appendix 6			
5	Does the Org. provide suitable facilities and essential information for conduct and operate effective practical flight training with safety? (e.g. Aircraft Checklists / Briefing checklist / Flight log / Weather information / Aircraft status / NOTAM / Radio / Emergency Equipment/ Enroute Chart / Flight status monitoring / Map Wind chart / Approach chart/ Mass & Balance)		CAAT-ATO.B.E.2562, Clause 20			
6	Does the Org. provide suitable practical training areas that are designed and equipped with all essential facilities consisting of: a) Operational areas, planning areas, and briefing rooms; b) Areas for simulation training (e.g.: dry run/on-ground practice); c) Parking areas that are appropriate for the training aircrafts; d) Workshops, aircraft hangars and facilities; e) Spare parts, parts, tools, and equipment storage areas	a) b) c) d) e)	CAAT-ATO.B.E.2562, Appendix 6			

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remarks
7	Are at least the following facilities, tools and equipment available at the Org.; a) Adequate facilities, tools and equipment to control flying operations; b) Reference learning materials; c) Training equipment adequacy to the courses being conducted; d) Suitable demonstration equipment to support the theoretical knowledge instructions; and e) Relevant current CAAT rules and regulations?	a) b) c) d) e)	CAAT-ATO.B.E.2562, Appendix 6			
8	Are the following valid documents and equipment required for practical training devices available: <u>Aircraft</u> a) Lists of aircrafts used for training b) Associated documents [C of A/ C of R/ Radio Certificate/Private Aircraft Operating License] c) Items required on board the aircraft by law and regulations d) ELT installation documentations e) Records of release to service documents by AMEL, who have a valid license, appropriate class and rating; <u>Simulator</u> f) Simulator Qualification Approval Certificate g) Records of service documents	a) b) c) d) e) f) g)	CAAT-ATO.B.E.2562, Appendix 6 Air Nav Act B.E.2562 section 16 เอกสารแนบท้ายประกาศสำนักงานการบินพลเรือนแห่งประเทศไทย เรื่อง การปฏิบัติการของอากาศยานที่ใช้ทำการบินทั่วไป พ.ศ. ๒๕๖๒ GENERAL-AVIATION-REQUIREMENT- GA-P1A.303			
9	Has the Org. established procedures for keeping and maintaining the information of each type of training devices as follows: a) Appropriate class and rating; b) Simulator/Aircraft manual(s); c) Procedural manual/SOP for staff; d) Service Bulletin; e) Calibration/validity control; f) Conditions storage/shelf life; g) Maintenance programme; h) Safety requirement	a) b) c) d) e) f) g) h)	CAAT-ATO.B.E.2562, Clause 18(d) CAAT (ENG-01) AIRCRAFT MAINTENANCE SCHEDULES AND PROGRAMME CAAT-ATO.B.E.2562, Appendix 6, 3.1 ประกาศกรมการขนส่งทางอากาศ เรื่อง การคงความต่อเนื่องของความสมควรเดินอากาศของอากาศยาน			

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remarks
10	Have the Org. regularly implemented maintenance plan to ensure the operational efficiency of training devices?		CAAT-ATO.B.E.2562, Appendix 6,3.1 ประกาศกรมการขนส่งทางอากาศ เรื่อง การคงความต่อเนื่องของความสมควรเดินอากาศของอากาศยาน			
11	Does the Org. have records of aircraft concerning: a) Aircraft logbook/technical logs b) Maintenance records c) Usage records of component/parts - refer to manufacturer approved parts and supplied by CAAT approved supplier	a) b) c)	CAAT-ATO.B.E.2562, Appendix 2, Part 2, Section 2			
12	Does the Org. use proper airport/airfield with: a) Proper runway(s) that allows training aircraft to make a normal take-off or landing within the performance limits of all to the aircraft used; b) Adequate runway electrical light when relevant; c) Wind direction indicator visible at ground level from ends of each runway or at appropriate holding points	a) b) c)	CAAT-ATO.B.E.2562, Clause 20			
General Comments:						

SECTION 7: RECORD KEEPING

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remarks
1	Does the Org. have an approved Record Keeping Manual or detailed Record keeping contents?		CAAT-ATO.B.E.2562, Clause 6(8)			
2	Does the Org. have procedures for security of records, security system and accessibility?		CAAT-ATO.B.E.2562, Appendix 5			
3	Has the Org. appointed responsible person(s) for checking and maintaining records?		CAAT-ATO.B.E.2562, Appendix 5			

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remarks
4	<p>Are the following records recorded properly as stated in the Org.'s record keeping policies/procedures?</p> <p>a) Full name of trainee; b) Copy of Personnel License and Medical certificate; c) Copy of transcripts; d) Course name and aircraft type used in flight training; e) Pre-training qualifications; f) Duration of training; g) Date of completion of training; h) Date of graduation; i) Results attained in each phase of training and names of instructors; j) Training progress results in each phase; k) Release date of knowledge test results for theoretical and practical trainings including the names of personnel conducting the tests; l) Additional training hours in case of failing the tests m) Pilot log book</p>	<p>a) b) c) d) e) f) g) h) i) j) k) l) m)</p>	<p>CAAT-ATO.B.E.2562, Appendix 5, 2.11</p> <p><i>Note: The pilot log book cannot be used in lieu of the records of trainees.</i></p>			
5	Have the Org. implemented its retention and dissemination policy?		CAAT-ATO.B.E.2562, Clause 13 (2), (4), and (7)			
6	<p>Does the Org. keep valid and current documents of staff members per requirements by the Org. and CAAT;</p> <p>a) License; b) Ratings; c) Medical certificates; d) Training records.</p>	<p>a) b) c) d)</p>	CAAT-ATO.B.E.2562, Clause 13(2), (7)			
7	Are records of flight time and flight duty period limitation of instructors and trainees available and in conform with the Org.'s policy?		CAAT-ATO.B.E.2562, Clause 13(2)			
General Comments:						

SECTION 8: QUALITY MANAGEMENT SYSTEM

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remarks
1	Is Training Policies of the ATO included in QA manual and communicated within the ATO?		CAAT-ATO.B.E.2562, Appendix 4			
2	Is the Quality Manager able to demonstrate a sound knowledge and understanding of the Org.'s quality management system?		CAAT-ATO.B.E.2562, Clause 5 (7), Clause 13 (1), (2), and (4)			
3	Has the Org. provided training to all staff members, in relation to its Org.'s quality management system?		CAAT-ATO.B.E.2562, Clause 13 (2), and (4)			
4	Has the Org. provided relevant and appropriate trainings to personnel who perform the role of quality auditor(s)?		CAAT-ATO.B.E.2562, Clause 13 (2), and (4)			
5	Has the Org. established a document control system and effectively implemented it for at least the following documentations a) SMS; b) QMS; c) Record Keeping; and d) Approved Training Course Manuals?	a) b) c) d)	CAAT-ATO.B.E.2562, Clause 13 (2), and (4)			
6	Does the Org. have quality internal audit procedures, corrective/preventive action procedures, monitoring process of corrective actions, and internal audit periodic plan?		CAAT-ATO.B.E.2562, Clause 13 (2), and (4)			
7	Has the Org. properly implemented its quality assurance system and is able to provide the following evidence: a) Conformity of training policy; b) Effective assessment and testing methods; c) Effectiveness of document control system; d) Effectiveness of its Record Keeping Implementation including (1) personnel qualifications and training and (2) training devices and equipment qualifications; and e) Monitoring system to comply with CAAT rules and regulations?	a) b) c) d) e)	CAAT-ATO.B.E.2562, Clause 5 (6)			

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remarks
8	Has the Org. implemented Quality Management System properly?		CAAT-ATO.B.E.2562, Clause 5 (6)			
General Comments:						

SECTION 9: SAFETY MANAGEMENT SYSTEM

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remark(s)
SMS Component 1 Safety Policy and Objectives						
1	The Org. issued a Safety Policy and endorsed by the AE.		CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 ANNEX 19 Appendix 2 DOC9859, Section 9.3			
2	The safety policy is relevant to the scope and complexity of the organization's operations.		ANNEX 19 Section 4.1, Appendix 2 DOC9859, Section 9.3 Note: The safety policy should be periodic reviewed by senior management or the safety committee (ANNEX 19 Appendix 2)			
3	There is evidence that the safety policy is communicated to all employees with the intent that they are made aware of their individual safety obligations.		CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 ANNEX 19 Appendix 2 DOC9859, Section 9.3			
4	There is a safety committee (or equivalent mechanism) that reviews the SMS and its safety performance.		CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 ANNEX 19 Appendix 2 DOC9859, Section 9.3			

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remark(s)
5	The safety committee is chaired by the Accountable Executive or (for very large organizations) by an appropriately assigned deputy, duly substantiated in the SMS manual.		CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 DOC9859, Section 9.3			
6	The safety committee includes relevant operational or departmental heads as applicable.		CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 DOC9859, Section 9.3			
7	There is a safety action groups that work in conjunction with the safety committee (large/complex organizations as appropriate).		CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 DOC9859, Section 9.3			
8	The ATO appointed: a qualified person who is responsible for the implementation and maintenance of the SMS (Safety Manager).		CAAT-ATO.B.E.2562, Appendix 3 ANNEX 19 Appendix 2 DOC9859, Section 9.3			
9	The Safety Manager does not hold other responsibilities that may conflict or impair his/her role as Safety Manager.		CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 ANNEX 19 Appendix 2			
10	The Safety Manager has direct access or reporting to the Accountable Executive concerning the implementation and operation of the SMS.		CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 DOC9859, Section 9.3			
11	The Org. have an Emergency Response Plan (ERP) that addresses possible or likely emergency/crisis scenarios relating to the organization's aviation service deliveries.		CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 ANNEX 19 Appendix 2 DOC9859, Section 9.3			
12	The Org. implemented its ERP as planned and recorded drills or exercise with respect to the ERP.		CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 DOC9859, Section 9.3			
13	The ERP addresses relevant integration with external customer or subcontractor organizations where applicable.		CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 DOC9859, Section 9.3			

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remark(s)
15	Records of safety committee/SAG meeting (or equivalent) minutes are maintained.		CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 DOC9859, Section 9.3			
16	Records pertaining to identified or reported hazards/threats are maintained.		CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 DOC9859, Section 9.3			
17	Records are maintained pertaining to safety risk assessments performed.		CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 DOC9859, Section 9.3			
18	There is evidence of procedures for periodic review of the SMS document and supporting documentation to ensure their continuing relevance.		CAAT-ATO.B.E.2562, Clause 13(6)			
SMS Component 2 Safety Risk Management						
19	There is a mandatory and voluntary occurrence reporting system to systematically collect and gather safety data and safety information retrieved from report and occurrence analysis, including all other related safety data and information.		CAAT REQUIREMENT NO.22/2562 ON "REPORTING OF CIVIL AVIATION OCCURRENCE" clause 15			
20	The reporting system is confidential and has provisions to protect the reporter's identity.		CAAT REQUIREMENT NO.22/2562 ON "REPORTING OF CIVIL AVIATION OCCURRENCE" clause 16			
21	The Org. implemented the procedure to submit initial report for mandatory occurrence which is the occurrence relating to own operation or is an acknowledged occurrence from own operation and submit to the CAAT. <ul style="list-style-type: none"> - within 72 hours from the time acknowledged for an occurrence. - within 24 hours from the time acknowledged for accident or serious incident. 		CAAT REQUIREMENT NO.22/2562 ON "REPORTING OF CIVIL AVIATION OCCURRENCE" clause 5			

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remark(s)
22	The Org. implemented the procedures to investigate facts and perform occurrence analysis to identify hazard and assess safety risk from the occurrence.		CAAT REQUIREMENT NO.22/2562 ON "REPORTING OF CIVIL AVIATION OCCURRENCE" clause 6(1)			
23	The Org. established risk control measures, which is a preventive action or corrective action, to reduce risk as deemed appropriate by evaluating the results from occurrence analysis.		CAAT REQUIREMENT NO.22/2562 ON "REPORTING OF CIVIL AVIATION OCCURRENCE" clause 6(2)			
24	The Org. coordinated with other Civil Aviation Organizations or Operators related with the occurrence for necessary data or cooperate to perform occurrence analysis together where applicable.		CAAT REQUIREMENT NO.22/2562 ON "REPORTING OF CIVIL AVIATION OCCURRENCE" clause 7			
25	The Org. implemented the procedure to prepare a final report and submit it to the CAAT within 60 days from the date which the CAAT receives such initial report of mandatory occurrence that has gone through procedures of investigate facts and occurrence analysis and it appears that there is a significant risk affecting safety in its own operation or there is a significant aviation safety risk from its own operation.		CAAT REQUIREMENT NO.22/2562 ON "REPORTING OF CIVIL AVIATION OCCURRENCE" clause 8			
26	The Org. perform operation in accordance with risk management standards appearing in the mandatory occurrence report.		CAAT REQUIREMENT NO.22/2562 ON "REPORTING OF CIVIL AVIATION OCCURRENCE" clause 13			
27	Notification and reporting of occurrence are implemented through the channel as per forms and particulars specified by the CAAT. a) Reporting of occurrences and related data shall be submitted to the CAAT via e-mail (safetyreport@caat.or.th) or through the CAAT's website.		CAAT REQUIREMENT NO.22/2562 ON "REPORTING OF CIVIL AVIATION OCCURRENCE" clause 17, appendix b			

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remark(s)
	b) English is used as a primary language when submitting report to the CAAT. However, the supporting documents for occurrences reporting can be kept in source language without translation except that there is a request for translation from the CAAT. c) PDF Form “Approved Training Organization”.					
28	There is a procedure to review hazards from reporting system, audits and surveys as well as relevant industry service for risk mitigation where applicable.		<i>CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 DOC9859, Section 9.3</i> Note: Completed risk assessment and mitigation should be approved by an appropriate level of management.			
SMS Component 3 Safety Assurance						
29	The Org. identified SPIs for measuring and monitoring the organization’s safety performance.		<i>CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 ANNEX 19 Appendix 2 DOC9859, Section 9.3</i> Note: Alert and/or target level should be set with the SPI where appropriate and procedure for corrective or follow-up action to be taken when targets are not achieved and/or alert levels are breached should be established.			
30	SPI relevant to the organization’s safety policy as well as safety objectives/goals.		<i>CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 ANNEX 19 Appendix 2 DOC9859, Section 9.3</i>			
31	SPI are reviewed by the safety committee for trending, alert levels that have been exceeded and target achievement where applicable.		<i>CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 DOC9859, Section 9.3</i>			

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remark(s)
32	There is a procedure for review of following relevant existing aviation (including HIRM records) whenever there are pertinent changes; a) facilities and equipment related to safety. b) operations and processes related to safety.		CAAT-GUIDANCE MATERIAL FOR <i>Safety Management System (SMS) Rev.01</i>			
33	There is a procedure for review of following new aviation safety-related for hazards/risks (including HIRM records) before they are commissioned; a) facilities and equipment related to safety. b) operations and processes related to safety.		CAAT-GUIDANCE MATERIAL FOR <i>Safety Management System (SMS) Rev.01</i> <i>ANNEX 19 Appendix 2</i> <i>DOC9859, Section 9.3</i>			
34	There is evidence that an internal SMS audit/assessment has been planned and carried out. a) The SMS audit plan covers the SMS roles/inputs of contractors where applicable. b) There is a follow-up procedure to address audit corrective actions.		CAAT-GUIDANCE MATERIAL FOR <i>Safety Management System (SMS) Rev.01</i> <i>ANNEX 19 Appendix 2</i> <i>DOC9859, Section 9.3</i>			
SMS Component 4 Safety promotion						
35	There is evidence that all personnel involved in SMS operations have undergone appropriate SMS training or familiarization. Initial safety training should consider, as a minimum, the following: a) organizational safety policies and safety objectives; b) organizational roles and responsibilities related to safety; c) basic safety risk management principles; d) safety reporting systems;		CAAT-GUIDANCE MATERIAL FOR <i>Safety Management System (SMS) Rev.01</i> <i>ANNEX 19 Appendix 2</i> <i>DOC9859, Section 9.3</i>			

NO.	Check List Item	Compliance References by organization	Ref: Regulatory Requirements	CAAT USE ONLY		
				S	U	Remark(s)
	e) the organization's SMS processes and procedures; and f) human factors. The scope of the safety training programme shall be appropriate to each individual's involvement in the SMS. Remark: The training programme should include initial and recurrent training requirements to maintain competencies.					
36	There is evidence of a safety (SMS) publication, circular or channel for communicating safety and SMS matters to employees and external users/contractors .		<i>CAAT-GUIDANCE MATERIAL FOR Safety Management System (SMS) Rev.01 ANNEX 19 Appendix 2 DOC9859, Section 9.3</i>			
General Comments :						

SECTION 10 : THEORETICAL TRAINING CURRICULUM

Subject 1: Air law						
No	Item	Regulatory requirement(s)	References	CAAT Officials Use Only		
				S	U	Remark(s)
1	Objectives of Subject	CAAT-ATO-B.E.2562, Section 2, Clause 18				
2	Instructor's Educational and Training Qualifications and Experience Required	CAAT-ATO-B.E.2562, Section 2, Clause 18				
3	Lesson Plan and Training Hours (a) Learning Activities (b) Training Methods	CAAT-ATO-B.E.2562, Section 2, Clause 18 RCAB 89 (1) International law: Conventions, Agreements, Organizations				

Subject 1: Air law						
No	Item	Regulatory requirement(s)	References	CAAT Officials Use Only		
				S	U	Remark(s)
		(2) Thai Aviation Law (3) Airworthiness of Aircraft (4) Aircraft Nationality and Registration Marks (5) Personnel Licensing (6) Rules of the Air (7) Procedures for Air Navigation – Aircraft Operations (8) Air Traffic Services and Air Traffic Management (9) Aeronautical Information Services (10) Aerodromes (ICAO Annex 14) (11) Facilitation (ICAO Annex 9) (12) Search and Rescue (13) Security (14) Aircraft Accident and Incident Investigation				
4	Training Location and Facilities	CAAT-ATO-B.E.2562, Section 2, Clause 18				
5	Instructional Materials	CAAT-ATO-B.E.2562, Section 2, Clause 18				
6	Methods of Performance Evaluation/Grading System	CAAT-ATO-B.E.2562, Section 2, Clause 18				
7	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18				
8	Safety Requirement	CAAT-ATO-B.E.2562, Section 2, Clause 18				

Subject 2: Aircraft General						
No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
1	Objectives of Subject	CAAT-ATO-B.E.2562, Section 2, Clause 18				
2	Instructor's Educational and Training Qualifications and Experience Required	CAAT-ATO-B.E.2562, Section 2, Clause 18				
3	Lesson Plan and Training Hours (a) Learning Activities (b) Training Methods	RCAB 89 (1) Airframe, Systems, Electrics, Power Plant a) System Design, Loads, Stress, Maintenance b) Airframe c) Hydraulics d) Landing Gear, Wheels, Tyres, Brakes e) Flight Controls and Autopilot f) Pneumatics - Pressurization and Air Conditioning Systems g) Anti-Icing and De-Icing Systems h) Fuel System i) Electrics j) Piston Engines k) Turbine Engines l) Protection and Detection Systems m) Oxygen Systems n) Aircraft and Engine Limitations				

Subject 2: Aircraft General						
No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
		o) Equipment and system inspections p) Required maintenance q) Flight Instruments, check, adjustment, failures and effects, multiple failure procedure r) Aircraft performance effects by atmosphere (2) Instrumentation a) Sensors and Instruments b) Measurement of Air Data Parameters c) Magnetism - Direct Reading Compass and Flux Valve d) Gyroscopic Instruments e) Inertial Navigation and Reference Systems (INS and IRS) f) Aeroplane: Automatic Flight Control Systems g) Trims - Yaw Damper - Flight Envelope Protection h) Auto throttle - Automatic Thrust Control System i) Communication Systems j) Flight Management Systems (FMS)				

Subject 2: Aircraft General						
No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
		k) Alerting Systems, Proximity Systems l) Integrated Instruments - Electronic Displays m) Maintenance, Monitoring and Recording Systems n) Digital Circuits and Computers o) Equipment required for IFR flight p) Instruments failure procedure (3) For helicopters and powered-lifts, transmission (power trains) where applicable				
4	Training Location and Facilities	CAAT-ATO-B.E.2562, Section 2, Clause 18				
5	Instructional Materials	CAAT-ATO-B.E.2562, Section 2, Clause 18				
6	Methods of Performance Evaluation/Grading System	CAAT-ATO-B.E.2562, Section 2, Clause 18				
7	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18				

Subject 3: Mass & Balance, Performance, Flight Planning						
No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
1	Objectives of Subject	CAAT-ATO-B.E.2562, Section 2, Clause 18				
2	Instructor's Educational and Training Qualifications and Experience Required	CAAT-ATO-B.E.2562, Section 2, Clause 18				
3	Lesson Plan and Training Hours (a) Learning Activities (b) Training Methods	RCAB 89 (1) Mass & Balance a) Purpose of Mass and Balance Considerations b) Loading c) Fundamentals of CG Calculations d) Mass and Balance Details of Aircraft e) Determination of CG Position f) Cargo Handling (2) Performance a) General Performance b) Single-Engine Aeroplanes c) Multi-Engine Aeroplanes d) Takeoff and landing performance (3) Flight Planning a) Flight Planning for VFR Flights b) Flight Planning for IFR Flights c) Fuel Planning d) Pre-Flight Preparation e) ICAO Flight Plan (ATS Flight Plan)				

Subject 3: Mass & Balance, Performance, Flight Planning						
No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
		f) Flight Monitoring and In-Flight Re-Planning g) Preparation and inspector for IFR Flight h) Operation flight plan, ATC flight plan for IFR Flight (4) In the case of helicopters and powered-lifts, effects of external loading on handling				
4	Training Location and Facilities	CAAT-ATO-B.E.2562, Section 2, Clause 18				
5	Instructional Materials	CAAT-ATO-B.E.2562, Section 2, Clause 18				
6	Methods of Performance Evaluation/Grading System	CAAT-ATO-B.E.2562, Section 2, Clause 18				
7	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18				

Subject 4: Human Performance and Limitation						
No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
1	Objectives of Subject	CAAT-ATO-B.E.2562, Section 2, Clause 18				
2	Instructor's Educational and Training Qualifications and Experience Required	CAAT-ATO-B.E.2562, Section 2, Clause 18				
3	Lesson Plan and Training Hours (a) Learning Activities (b) Training Methods	RCAB 89 (1) Human Factors: Basic Concepts (2) Basics of Flight Physiology (3) Basic Aviation Psychology (4) Threat and Error managements				
4	Training Location and Facilities	CAAT-ATO-B.E.2562, Section 2, Clause 18				
5	Instructional Materials	CAAT-ATO-B.E.2562, Section 2, Clause 18				
6	Methods of Performance Evaluation/Grading System	CAAT-ATO-B.E.2562, Section 2, Clause 18				
7	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18				

Subject 5: Meteorology						
No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
1	Objectives of Subject	CAAT-ATO-B.E.2562, Section 2, Clause 18				
2	Instructor's Educational and Training Qualifications and Experience Required	CAAT-ATO-B.E.2562, Section 2, Clause 18				
3	Lesson Plan and Training Hours (a) Learning Activities (b) Training Methods	RCAB 89 (1) The Atmosphere (2) Wind (3) Thermodynamics (4) Clouds and Fog (5) Precipitation (6) Air masses and Fronts (7) Pressure Systems (8) Climatology (9) Flight Hazards (example of Icing, Wind shear, Storms, Tailwind...) and Avoidance (10) Meteorological Information (Acquire and Usage) (11) Codes and abbreviations				
4	Training Location and Facilities	CAAT-ATO-B.E.2562, Section 2, Clause 18				
5	Instructional Materials	CAAT-ATO-B.E.2562, Section 2, Clause 18				
6	Methods of Performance Evaluation/Grading System	CAAT-ATO-B.E.2562, Section 2, Clause 18				
7	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18				

Subject 6: Navigation						
No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
1	Objectives of Subject	CAAT-ATO-B.E.2562, Section 2, Clause 18				
2	Instructor's Educational and Training Qualifications and Experience Required	CAAT-ATO-B.E.2562, Section 2, Clause 18				
3	Lesson Plan and Training Hours (a) Learning Activities (b) Training Methods	RCAB 89 (1) General Navigation a) Basic Navigation b) Magnetism and Compass c) Charts d) Dead Reckoning (DR) e) In-Flight Navigation f) Inertial Navigation Systems (INS) (2) Radio Navigation a) Basic Radar Principles b) Radio Aids c) Radar d) Area Navigation Systems RNAV/FMS e) Global Navigation Satellite Systems f) PBN				
4	Training Location and Facilities	CAAT-ATO-B.E.2562, Section 2, Clause 18				
5	Instructional Materials	CAAT-ATO-B.E.2562, Section 2, Clause 18				
6	Methods of Performance Evaluation/Grading System	CAAT-ATO-B.E.2562, Section 2, Clause 18				
7	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18				

Subject 7: Operational Procedure						
No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
1	Objectives of Subject	CAAT-ATO-B.E.2562, Section 2, Clause 18				
2	Instructor's Educational and Training Qualifications and Experience Required	CAAT-ATO-B.E.2562, Section 2, Clause 18				
3	Lesson Plan and Training hours (a) Learning Activities (b) Training Methods	RCAB 89 (1) General Requirement (2) Threat and Error Management (3) Special Operation Procedure and Hazards (4) Altimeter Setting Procedure (5) AIP NOTAM codes and abbreviations (6) Dangerous Goods (7) Passenger Handling and Procedure (8) Emergency procedures (9) UPRT (Upset Prevention and Recovery Training) (10) In the case of helicopters, and if applicable, powered-lifts, settling with power; ground resonance; retreating blade stall; dynamic rollover and other operating hazards; safety procedures, associated with flight in VMC				

Subject 7: Operational Procedure						
No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
4	Training Location and Facilities	CAAT-ATO-B.E.2562, Section 2, Clause 18				
5	Instructional Materials	CAAT-ATO-B.E.2562, Section 2, Clause 18				
6	Methods of Performance Evaluation/Grading System	CAAT-ATO-B.E.2562, Section 2, Clause 18				
7	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18				

Subject 8: Principle of Flight						
No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
1	Objectives of Subject	CAAT-ATO-B.E.2562, Section 2, Clause 18				
2	Instructor's Educational and Training Qualifications and Experience Required	CAAT-ATO-B.E.2562, Section 2, Clause 18				
3	Lesson Plan and Training Hours (a) Learning Activities (b) Training Methods	RCAB 89 (1) Aerodynamics (2) High Speed Aerodynamics (3) Subsonic Aerodynamics (4) Stability (5) Control (6) Limitations (7) Propellers (8) Flight Mechanics				

Subject 8: Principle of Flight						
No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
4	Training Location and Facilities	CAAT-ATO-B.E.2562, Section 2, Clause 18				
5	Instructional Materials	CAAT-ATO-B.E.2562, Section 2, Clause 18				
6	Methods of Performance Evaluation/Grading System	CAAT-ATO-B.E.2562, Section 2, Clause 18				
7	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18				

Subject 9: Radiotelephony						
No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
1	Objectives of Subject	CAAT-ATO-B.E.2562, Section 2, Clause 18				
2	Instructor's Educational and Training Qualifications and Experience Required	CAAT-ATO-B.E.2562, Section 2, Clause 18				
3	Lesson Plan and Training Hours (a) Learning Activities (b) Training Methods	RCAB 89 (1) VFR Communications a) Definitions b) General Operating Procedure c) Relevant Weather Information Terms d) Action Required to be Taken in Case of Communication Failure e) Distress and Urgency Procedures				

Subject 9: Radiotelephony						
No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
		f) General Principle of VHF Propagation and Frequency Allocation (2) IFR Communications a) Definitions b) General Operating Procedure c) Relevant Weather Information Terms d) Action Required to be Taken in Case of Communication Failure e) Distress and Urgency Procedures f) General Principle of VHF Propagation and Frequency Allocation				
4	Training Location and Facilities	CAAT-ATO-B.E.2562, Section 2, Clause 18				
5	Instructional Materials	CAAT-ATO-B.E.2562, Section 2, Clause 18				
6	Methods of Performance Evaluation/Grading System	CAAT-ATO-B.E.2562, Section 2, Clause 18				
7	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18				

SECTION 11 : PRACTICAL TRAINING CURRICULUM

No	Item	Regulatory requirements	Reference	CAAT Official Use Only		
				S	U	Remark(s)
1	Objectives of Practical Training Lesson	CAAT-ATO-B.E.2562, Section 2, Clause 18				
2	Segmentation of Training into Different Phases	CAAT-ATO-B.E.2562, Section 2, Clause 18				
3	Name List and Details of Airport(s) Used in Practical Training					
4	Methods of Performance Evaluation					
5	Passing Requirements					
6	Safety Requirements					
7	Number of Training Hours in Each Lesson including Progress Tests	CAAT-ATO-B.E.2562, Section 2, Clause 18 RCAB 89				

SECTION 12 : PRACTICAL TRAINING HOURS

Summary Practical Training Hours	PPL- Airplane	PPL- Helicopter	CPL- Airplane	CPL- Helicopter	REMARK
Aircraft Time					
Simulator Time	(5)	(5)	(IR=5)* and (5)**	(IR=5)* and (5)**	By Approved Simulator with Instructor pilot * Simulator hour of Instrument Flying ** Simulator hour of (.....) Flying
Total Time	(60)	(60)	(150)	(100)	

Practical Training Components (Hours)						
1	Solo	PPL- Airplane	PPL- Helicopter	CPL- Airplane	CPL- Helicopter	REMARK
1.1	Solo Cross-Country NAV	(150 NM, full-stop landing / 2 different airports)	(100 NM, full-stop landing / 2 different airports)			
1.2	Solo Cross-Country					Not include 1.1
1.3	Solo Local					
	Total Solo					
2	PIC	PPL- Airplane	PPL- Helicopter	CPL- Airplane	CPL- Helicopter	REMARK
2.1	PIC Cross-Country NAV			(300 NM, full-stop landing / 2 different airports)		
2.2	PIC Cross-Country				(full-stop landing / 2 different airports)	Not include 2.1
	Total PIC Cross-Country for RCAB 89 (4) (ง) (ข)			(20)	(10)	
2.3	PIC Local					
2.4	PIC Cross-Country					Not include 2.1 and 2.2
	Total PIC for RCAB 89 (4) (ง) (ก)			(70)	(35)	

2.5	Instrument Flying	PPL- Airplane	PPL- Helicopter	CPL- Airplane	CPL- Helicopter	REMARK
2.5.1	By Aircraft					
2.5.2	By Simulator*			(5)	(5)	*Approved Simulator with Instructor pilot rating
	Total Instrument Flying for RCAB 89 (4) (ง) (ค)			(10)	(10)	
2.6	Night Flying	PPL- Airplane	PPL- Helicopter	CPL- Airplane	CPL- Helicopter	REMARK
	PIC Night Flying for RCAB 89 (4) (ง) (ง)			(5)	(5)	With at least 5 take-off and 5 landings