

PERSONNEL LICENSING DEPARTMENT

CHECKLIST FOR UPSET PREVENTION AND RECOVERY TRAINING - UPRT

Name of Organisation:

By signing below, I, as an authorised person of NAME OF THE ATO, hereby confirm that the information given on this form are entirely true, accurate, and complete.

Signature

(Name - Last Name)

Date: DD MMM YYYY

Official Use Only

Evaluation Result: Accept Reject

This compliance check form has been verified by:

Signature

Name – Last Name

Date performed: DD MMM YYYY

Instructions

- 1) ATO is to conduct a self-assessment as part of its compliance check by providing manual references into the 'Compliance checked by ATO'.
- 2) Each check list item shall be assessed and given a result either '**Satisfactory-(S)**', '**Unsatisfactory- (U)**' or '**N/A**' by marking "X"
 - (a) '**S**' refers to **satisfactory level**. It shall be given if the ATO is able to provide valid contents and details that comply with the requirements.
 - (b) '**U**' refers to **unsatisfactory level**. It shall be given if the ATO is provide insufficient contents/details that comply with the requirement as well as impractical/non-realistic process or procedures that do not reflect an actual context and operations of the ATO.
 - (c) '**N/A**' shall be given 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

No	Required Information							
1	This UPRT training is part of		CPL Course		MPL Course	Type-rating		
2	Type of Provider		ATO		AOC	Other, please specify		
3	Total hours of academic training ≥ 5 hours	xxx	Hours					
4	Total hours of practice training ≥ 3 hours	xxx	Hours					
5	UPRT Templates for ON-AEROPLANE Training have been used?	Ref: A-CAAT-UPRT B.E. 2562, GM-CAAT-UPRT 2019 Appendix 3			<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
	UPSET RECOVERY TEMPLATES (MULTI-CREW TRANSPORT TYPE AEROPLANE) have been used?	Ref: A-CAAT-UPRT B.E. 2562, GM-CAAT-UPRT 2019 Appendix 4			<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5	Instructor(s) ref. GM-CAAT 2019 No. 15							
	Name – Last Name	License no.	Completed an approved Instructional Programme	Passed skill tests by CAAT	Undergone Trainings as indicated in GM-CAAT 2019 No. 15(3)	Undergone periodic training provided by AOC or ATO		
	1)							
	2)							

NOTE: Platforms of Training Codes

- Academic = (A);
- Aeroplane CPL/MPL = (B);
- Non-type FSTD MPL = (C);
- Type specific FSTD = (D)

Subjects and Training elements

Element A: Aerodynamics			Compliance checked by training provider			Reference <i>Eg. Section 1, Part 4, No. 5 Organisational Structure, p. xx</i>	CAAT Officials Use Only			
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks
1	Lesson Plan and Training hours	A-CAAT-UPRT B.E. 2562, GM-CAAT-UPRT 2019 Appendix 2 1) General aerodynamic characteristics (A); (B); (C) 2) Advanced aerodynamics (A); (B); (C); and (D) 3) Areophane certification and limitations (A); (B); and (D) 4) Aerodynamics (high and low altitudes) (A); (B); (C); and (D) 5) Aeroplane performance (high and low altitudes) (A); (B); (C); and (D) 6) Angle of attack (AOA) and stall awareness (A); (B); (C); and (D) 7) Stick shaker activation (A); (C); and (D) i) Stick pusher activation ii) Mach effects – if applicable to aeroplane type								

Subjects and Training elements

Element A: Aerodynamics			Compliance checked by training provider			Reference <i>Eg. Section 1, Part 4, No. 5 Organisational Structure, p. xx</i>	CAAT Officials Use Only			
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks
		8) Aeroplane stability (A); (B); (C); and (D) 9) Control surface fundamentals (A); (B); (C); and (D) i) Trims 10) Icing and contamination effects (A) 11) Propeller slipstream (as applicable) (A); (C); and (D)								
2	Training Location and Training Devices	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 Appendix 4, Appendix 5								
3	Methods of Performance Evaluation	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 No. 15								
4	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18								

Subjects and Training elements

Element B: Causes and contributing factors of upsets			Compliance checked by training provider			Reference <i>Eg. Section 1, Part 4, No. 5 Organisational Structure, p. xx</i>	CAAT Officials Use Only			
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks
1	Lesson Plan and Training hours	A-CAAT-UPRT B.E. 2562, GM-CAAT-UPRT 2019 Appendix 2 1) Environmental (A) and (D) 2) Pilot-induced (A) and (D) 3) Mechanical (A) and (D)								
2	Training Location and Training Devices	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 Appendix 4, Appendix 5.								
3	Methods of Performance Evaluation	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 No. 15								
4	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18								

Subjects and Training elements

Element C: Safety review of accidents and incidents relating to aeroplane upsets			Compliance checked by training provider			Reference <i>Eg. Section 1, Part 4, No. 5 Organisational Structure, p. xx</i>	CAAT Officials Use Only			
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks
1	Lesson Plan and Training hours	A-CAAT-UPRT B.E. 2562, GM-CAAT-UPRT 2019 Appendix 2: (A); (B); and (D)								
2	Training Location and Training Devices	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 Appendix 4, Appendix 5								
3	Methods of Performance Evaluation	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 No. 15								
4	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18								

Subjects and Training elements

Element D: G-awareness			Compliance checked by training provider			Reference <i>Eg. Section 1, Part 4, No. 5 Organisational Structure, p. xx</i>	CAAT Officials Use Only			
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks
1	Lesson Plan and Training hours	A-CAAT-UPRT B.E. 2562, GM-CAAT-UPRT 2019 Appendix 2: 1) Positive/negative/increasing/decreasing g loads (A); (B); (C) and (D) 2) Lateral g-awareness (sideslip) (A); (B); (C) and (D) 3) G-load management (A); (B); (C) and (D)								
2	Training Location and Training Devices	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 Appendix 4, Appendix 5								
3	Methods of Performance Evaluation	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 No. 15								
4	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18								

Subjects and Training elements

Element E: Energy management			Compliance checked by training provider			Reference	CAAT Officials Use Only			
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks
1	Lesson Plan and Training hours	A-CAAT-UPRT B.E. 2562, GM-CAAT-UPRT 2019 Appendix 2: 1) Kinetic energy vs. potential energy vs chemical energy (power) (A); (B); (C) and (D) 2) Relationship between pitch and power and performance (A); (B); (C) and (D) 3) Performance and effects of differing engines (A); (B); (C) and (D)								
2	Training Location and Training Devices	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 Appendix 4, Appendix 5								
3	Methods of Performance Evaluation	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 No. 15								
4	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18								

Subjects and Training elements

Element F: Energy management			Compliance checked by training provider			Reference <i>Eg. Section 1, Part 4, No. 5 Organisational Structure, p. xx</i>	CAAT Officials Use Only			
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks
1	Lesson Plan and Training hours	A-CAAT-UPRT B.E. 2562, GM-CAAT-UPRT 2019 Appendix 2: 1) Manual handling skills (A); (B); (C) and (D)								
2	Training Location and Training Devices	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 Appendix 4, Appendix 5								
3	Methods of Performance Evaluation	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 No. 15								
4	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18								

Subjects and Training elements

Element G: Recognition			Compliance checked by training provider			Reference	CAAT Officials Use Only			
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks
1	Lesson Plan and Training hours	A-CAAT-UPRT B.E. 2562, GM-CAAT-UPRT 2019 Appendix 2: 1) Type – specific examples of instrumentation during developing and developed upset (A); (B); and (D) 2) Pitch/power/roll/yaw (A); (B); (C) and (D) 3) Effective scanning (effective monitoring) (A); (B); (C) and (D) 4) Stall protection systems and cues (A); (C) and (D) 5) Criteria for identifying stalls and upset (A); (B); (C) and (D)								
2	Training Location and Training Devices	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 Appendix 4, Appendix 5								
3	Methods of Performance Evaluation	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 No. 15								
4	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18								

Subjects and Training elements

Element H: Upset prevention and recovery techniques		Compliance checked by training provider			Reference	CAAT Officials Use Only				
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks
1	Lesson Plan and Training hours	A-CAAT-UPRT B.E. 2562, GM-CAAT-UPRT 2019 Appendix 2: 1) Timely and appropriate intervention (A); (B); (C) and (D) 2) Nose-high/wings-level recovery (A); (B); (C) and (D) 3) Nose-low/wings-level recovery (A); (B); (C) and (D) 4) High bank angle recovery techniques (A); (B); (C) and (D) 5) Consolidated summary of Aeroplane recovery techniques (A); (B); (C) and (D)								
2	Training Location and Training Devices	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 Appendix 4, Appendix 5								
3	Methods of Performance Evaluation	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 No. 15								
4	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18								

Subjects and Training elements

Element I: System malfunction section			Compliance checked by training provider			Reference	CAAT Officials Use Only			
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks
1	Lesson Plan and Training hours	A-CAAT-UPRT B.E. 2562, GM-CAAT-UPRT 2019 Appendix 2: 1) Flight control anomalies (A); (B); (C) and (D) 2) Power failure (partial or full) (A); (B); (C) and (D) 3) Instrument failures (A); (B); (C) and (D) 4) Automation failures (A); (C) and (D) 5) Fly-by-wire protection degradations (A); (C) and (D) 6) Stall protection system failures, including icing alerting systems (A); (C) and (D)								
2	Training Location and Training Devices	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 Appendix 4, Appendix 5								
3	Methods of Performance Evaluation	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 No. 15								

Subjects and Training elements

Element I: System malfunction section			Compliance checked by training provider			Reference	CAAT Officials Use Only			
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks
4	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18				<i>Eg. Section 1, Part 4, No. 5 Organisational Structure, p. xx</i>				

Subjects and Training elements

Element J: Specialised training elements sections			Compliance checked by training provider			Reference	CAAT Officials Use Only			
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks
1	Lesson Plan and Training hours	A-CAAT-UPRT B.E. 2562, GM-CAAT-UPRT 2019 Appendix 2: 1) Spiral dive (graveyard spiral) (A); (B); (C) and (D) 2) Slow flight (B); (C) and (D) 3) Steep turns (B); (C) and (D) 4) Recovery from approach to stall (B); (C) and (D) 5) Recovery from stall, including uncoordinated stalls (aggravating yaw) (B); (C) and (D) 6) Nose-high/high-speed recovery (A); (C) and (D) 7) Nose-high/low-speed recovery (B); (C) and (D) 8) Nose-high/low-speed recovery (B); (C) and (D) 9) Nose-low/high-speed recovery (B); (C) and (D) 10) Nose-low/low-speed recovery (B); (C) and (D)								

Subjects and Training elements

Element J: Specialised training elements sections			Compliance checked by training provider			Reference	CAAT Officials Use Only			
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks
		11) High bank angle recovery(B); (C) and (D) 12) Line-oriented flight training (LOFT) or line-operational simulation (LOS) (C) and (D)								
2	Training Location and Training Devices	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 Appendix 4, Appendix 5								
3	Methods of Performance Evaluation	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 No. 15								
4	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18								

Subjects and Training elements

Element K: Human Factors		Compliance checked by training provider			Reference	CAAT Officials Use Only					
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks	
1	Lesson Plan and Training hours	A-CAAT-UPRT B.E. 2562, GM-CAAT-UPRT 2019 Appendix 2: 1) Situation awareness i) Human information processing (A); (B); (C) and (D) ii) Inattention, fixation, distraction (A); (B); (C) and (D) iii) Perceptual illusions (visual or physiological) and spatial disorientation (A); (B); (C) and (D) iv) Instrument interpretation 2) Startle and stress response i) Physiological, psychological, and cognitive effects (A); (B); (C) and (D) ii) Management strategies (A); (B); (C) and (D) 3) Threat and error management i) TEM framework (A); (B); (C) and (D)									

Subjects and Training elements

Element K: Human Factors			Compliance checked by training provider			Reference <i>Eg. Section 1, Part 4, No. 5 Organisational Structure, p. xx</i>	CAAT Officials Use Only			
No	Item	Regulatory requirement(s)	Yes	No	N/A		S	U	N/A	Remarks
		ii) Active monitoring, checking (A); (B); (C) and (D) iii) Fatigue management (A); (B); (C) and (D) iv) Workload management (A); (B); (C) and (D) v) CRM (A); (B); (C) and (D)								
2	Training Location and Training Devices	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 Appendix 4, Appendix 5								
3	Methods of Performance Evaluation	CAAT-ATO-B.E.2562, Section 2, Clause 18 GM-CAAT-UPRT 2019 No. 15								
4	Passing Requirements	CAAT-ATO-B.E.2562, Section 2, Clause 18								