

Assessment Summary Sheet for UKAB Meeting on Wednesday 9th October 2019

Total	A	B	C	D	E
20	0	5	12	3	0

Airprox	Aircraft 1 (Type)	Aircraft 2 (Type)	Airspace (Class)	ICAO Risk
2019126	Tucano (HQ Air Trg)	Unknown Microlight (Civ FW)	London FIR (G)	B
2019127	DA42(A) (Civ FW)	DA42(B) (Civ FW)	London FIR (G)	B
2019130	Wildcat (RN)	C130 x 2 (HQ Air Ops)	London FIR (G)	C
2019131	PA28 (Civ FW)	P68 (Civ Comm)	London FIR (G)	C
2019132	C560 (Civ Comm)	PA28 (Civ FW)	Dundee ATZ (G)	C
2019133	Astir (Civ Gld)	C172 (Civ FW)	London FIR (G)	C
2019136	Typhoon (HQ Air Ops)	PA28 (Civ FW)	London FIR (G)	C
2019137	EA500 (Civ FW)	BE36 (Civ FW)	London FIR (G)	C
2019138	Astir (Civ Gld)	C172 (Civ FW)	London FIR (G)	D
2019139	Discus (Civ Gld)	SR20 (Civ FW)	London FIR (G)	B
2019142	DG400 (Civ Gld)	RC135 (Foreign Mil)	London FIR (G)	B
2019143	C150 (Civ FW)	Pitts S-1 (Civ FW)	London FIR (G)	D
2019144	A321 (CAT)	A320 (CAT)	London TMA (A)	C
2019150	Tutor (HQ Air Trg)	Prefect (HQ Air Trg)	London FIR (G)	C
2019151	Mainair Blade 912 (Civ FW)	Auster, Piper Cub, Aeronca Chief (Civ FW)	London FIR (G)	D
	Recommendation: Westonzoyland and Middlezoy airfield managers develop a letter of agreement regarding integration of their operations.			
2019152	P68 (Civ Comm)	C172 (Civ FW)	London FIR (G)	C
2019154	A319 (CAT)	LJ45 (Civ Comm)	London UIR (C)	C
2019156	AH64 Apache (HQ AAC)	RV8 (Civ FW)	London FIR (G)	C
2019157	ASK21 (Civ Gld)	PA23 (Civ FW)	London FIR (G)	B
2019159	DA42 (Civ FW)	Paramotor (Unknown)	Bournemouth CTA (D) / London FIR (G)	C

2019126			
CF	Factor	Description	Amplification
	Flight Elements		
	• Situational Awareness of the Conflicting Aircraft and Action		

1	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
2	Human Factors	• Distraction - Job Related	Pilot was engaged in other tasks
• Electronic Warning System Operation and Compliance			
3	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
• See and Avoid			
4	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

2019127			
CF	Factor	Description	Amplification
Ground Elements			
• Manning and Equipment			
1	Organisational	• ATM Staffing and Scheduling	Sub-Optimal establishment or scheduling of staff
2	Organisational	• Aerodrome and ATM Equipment	Inadequate or unavailable equipment
• Situational Awareness and Action			
3	Contextual	• Situational Awareness and Sensory Events	Not required to monitor the aircraft under the agreed service
4	Human Factors	• Conflict Detection - Not Detected	
5	Human Factors	• Traffic Management Information Provision	Not provided, inaccurate, inadequate, or late
6	Human Factors	• Distraction - Job Related	
Flight Elements			
• Tactical Planning and Execution			
7	Human Factors	• No Decision/Plan	Inadequate planning
• Situational Awareness of the Conflicting Aircraft and Action			
8	Human Factors	• Lack of Action	Pilot flew into conflict despite Situational Awareness
• Electronic Warning System Operation and Compliance			
9	Contextual	• ACAS/TCAS TA	TCAS TA / CWS indication
10	Human Factors	• Interpretation of Automation or Flight Deck Information	CWS misinterpreted or not optimally actioned
• See and Avoid			
11	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2019130			
CF	Factor	Description	Amplification
Ground Elements			
• Regulations, Processes, Procedures and Compliance			
1	Organisational	• Organisational Documentation and Publications	Inadequate regulations or procedures
Flight Elements			
• Tactical Planning and Execution			
2	Organisational	• Flight Planning Information Sources	Inadequate planning material
• Situational Awareness of the Conflicting Aircraft and Action			
3	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness

4	Human Factors	• Lack of Communication	Pilot did not request additional information
5	Human Factors	• Interpretation of Automation or Flight Deck Information	Pilot was concerned by the proximity of the other aircraft
• See and Avoid			
6	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2019131			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Contextual	• Situational Awareness and Sensory Events	Not required to monitor the aircraft under the agreed service
2	Human Factors	• Conflict Detection - Not Detected	
3	Human Factors	• Traffic Management Information Provision	Not provided, inaccurate, inadequate, or late
Flight Elements			
• Regulations, Processes, Procedures and Compliance			
4	Human Factors	• Flight Crew ATM Procedure Deviation	Regulations/procedures not complied with
• Situational Awareness of the Conflicting Aircraft and Action			
5	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
• See and Avoid			
6	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots
7	Human Factors	• Lack of Action	Pilot flew close enough to cause the other pilot concern

2019132			
CF	Factor	Description	Amplification
Flight Elements			
• Tactical Planning and Execution			
1	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
• Situational Awareness of the Conflicting Aircraft and Action			
2	Human Factors	• Interpretation of Automation or Flight Deck Information	CWS sighting report
• Electronic Warning System Operation and Compliance			
3	Contextual	• ACAS/TCAS RA	TCAS RA event
4	Technical	• ACAS/TCAS Nuisance Alarm	CWS alerted inaptly for VFR flight

2019133			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
2	Human Factors	• Traffic Management Information Provision	Not provided, inaccurate, inadequate, or late
Flight Elements			

• Situational Awareness of the Conflicting Aircraft and Action			
3	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
• See and Avoid			
4	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2019136			
CF	Factor	Description	Amplification
Flight Elements			
• Tactical Planning and Execution			
1	Human Factors	• No Decision/Plan	Inadequate planning
• Situational Awareness of the Conflicting Aircraft and Action			
2	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
• See and Avoid			
3	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots
4	Human Factors	• Perception of Visual Information	Pilot perceived there was no conflict

2019137			
CF	Factor	Description	Amplification
Flight Elements			
• Electronic Warning System Operation and Compliance			
1	Contextual	• ACAS/TCAS TA	TCAS TA / CWS indication
• See and Avoid			
2	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

2019138: Insufficient information to assess Contributory Factors.

2019139			
CF	Factor	Description	Amplification
Flight Elements			
• Situational Awareness of the Conflicting Aircraft and Action			
1	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
• Electronic Warning System Operation and Compliance			
2	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
• See and Avoid			
3	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

2019142			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
2	Human Factors	• Conflict Detection - Not Detected	
Flight Elements			

	• Situational Awareness of the Conflicting Aircraft and Action		
3	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
	• Electronic Warning System Operation and Compliance		
4	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
	• See and Avoid		
5	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
6	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2019143: Insufficient information to assess Contributory Factors.

2019144			
CF	Factor	Description	Amplification
	Flight Elements		
	• Tactical Planning and Execution		
1	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
2	Human Factors	• Flight Level/Altitude Deviation (Level Bust)	
	• Situational Awareness of the Conflicting Aircraft and Action		
3	Human Factors	• Distraction - Job Related	Pilot was engaged in other tasks

2019150			
CF	Factor	Description	Amplification
	Flight Elements		
	• Situational Awareness of the Conflicting Aircraft and Action		
1	Human Factors	• Lack of Action	Pilot flew close enough to cause concern despite Situational Awareness
2	Human Factors	• Interpretation of Automation or Flight Deck Information	Pilot was concerned by the proximity of the other aircraft
	• Electronic Warning System Operation and Compliance		
3	Contextual	• ACAS/TCAS TA	TCAS TA / CWS indication
4	Human Factors	• Interpretation of Automation or Flight Deck Information	CWS misinterpreted or not optimally actioned
	• See and Avoid		
5	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2019151: Insufficient information to assess Contributory Factors.

2019152			
CF	Factor	Description	Amplification
	Flight Elements		
	• Tactical Planning and Execution		
1	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate controlling authority
	• Situational Awareness of the Conflicting Aircraft and Action		
2	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
3	Human Factors	• Distraction - Job Related	Pilot was engaged in other tasks

	• See and Avoid		
4	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	A conflict in the FIR

2019154			
CF	Factor	Description	Amplification
	Ground Elements		
	• Regulations, Processes, Procedures and Compliance		
1	Human Factors	• ATM Regulatory Deviation	Regulations and/or procedures not complied with
	• Situational Awareness and Action		
2	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
3	Human Factors	• Conflict Detection - Detected Late	
4	Human Factors	• Inappropriate Clearance	Controller instructions contributed to the conflict
5	Human Factors	• Separation Provision	Not Achieved
6	Human Factors	• ATM Coordination	Inadequate or ineffective
	Flight Elements		
	• Electronic Warning System Operation and Compliance		
7	Contextual	• ACAS/TCAS RA	TCAS RA event

2019156			
CF	Factor	Description	Amplification
	Flight Elements		
	• Tactical Planning and Execution		
1	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
	• See and Avoid		
2	Human Factors	• Lack of Individual Risk Perception	Pilot flew close enough to cause the other pilot concern

2019157			
CF	Factor	Description	Amplification
	Flight Elements		
	• Tactical Planning and Execution		
1	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate service provider
	• Situational Awareness of the Conflicting Aircraft and Action		
2	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
	• See and Avoid		
3	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
4	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2019159			
CF	Factor	Description	Amplification

Ground Elements		
• Regulations, Processes, Procedures and Compliance		
1	Organisational	• Organisational Documentation and Publications Inadequate regulations or procedures
• Situational Awareness and Action		
2	Contextual	• Situational Awareness and Sensory Events Generic, late, no or incorrect Situational Awareness
Flight Elements		
• Situational Awareness of the Conflicting Aircraft and Action		
3	Contextual	• Situational Awareness and Sensory Events Generic, late, no or incorrect Situational Awareness
• Electronic Warning System Operation and Compliance		
4	Technical	• ACAS/TCAS System Failure Incompatible CWS equipment
• See and Avoid		
5	Human Factors	• Monitoring of Other Aircraft Late-sighting by one or both pilots