

Assessment Summary Sheet for UKAB Meeting on Wednesday 11th December 2019

Total	A	B	C	D	E
11	1	3	5	1	1

Airprox	Aircraft 1 (Type)	Aircraft 2 (Type)	Airspace (Class)	ICAO Risk
2019179	Legacy (Civ Comm)	Global Express (Civ Comm)	London FIR (A)	C
2019181	Avro RJ (MoD ATEC)	Grob Tutor (HQ Air Trg)	Boscombe ATZ (G)	E
2019187	B747 (CAT)	Unknown (Unknown)	London TMA (A)	D
2019190	DA42 & C152 (Civ FW)	PA16 (Civ FW)	Coventry ATZ (G)	C
2019191	B737 (CAT)	PA28 (Civ FW)	Cardiff CTR (D)	C
2019192	R44 (Civ Helo)	PA28 (Civ FW)	Gloucestershire ATZ (G)	B
	Recommendation: Gloucester consider reviewing fixed wing and rotary wing circuit separation.			
2019195	PA28(A) (Civ FW)	PA28(B) (Civ FW)	London FIR (G)	C
2019197	Ventus (Civ Gld)	PC12 (Civ FW)	London FIR (G)	B
2019198	PA28 (Civ FW)	Skyranger Swift (Civ FW)	Scottish FIR (G)	C
2019206	C152 (Civ FW)	PA28 (Civ FW)	Gamston ATZ (G)	A
2019207	A320 (CAT)	Saab 340 (CAT)	Stansted CTR (D)	B

2019179			
CF	Factor	Description	Amplification
Ground Elements			
• Regulations, Processes, Procedures and Compliance			
1	Human Factors	• ATM Regulatory Deviation	Regulations and/or procedures not complied with
• Manning and Equipment			
2		• Any other event	iFACTS not used effectively
• Situational Awareness and Action			
3	Human Factors	• Conflict Resolution - Provided Late	
4	Human Factors	• Traffic Management Information Provision	Not provided, inaccurate, inadequate, or late
5	Human Factors	• Separation Provision	Not Achieved
6	Human Factors	• Distraction - Job Related	
7	Human Factors	• ATM Coordination	Inadequate or ineffective
Flight Elements			
• Electronic Warning System Operation and Compliance			
8	Contextual	• ACAS/TCAS TA	TCAS TA / CWS indication

2019181			
CF	Factor	Description	Amplification
Flight Elements			
• Situational Awareness of the Conflicting Aircraft and Action			
1	Human Factors	• Interpretation of Automation or Flight Deck Information	CWS sighting report
• Electronic Warning System Operation and Compliance			
2	Contextual	• ACAS/TCAS RA	TCAS RA event
3	Contextual	• ACAS/TCAS TA	TCAS TA / CWS indication
4	Technical	• ACAS/TCAS Nuisance Alarm	CWS alerted inaptly for VFR flight
• See and Avoid			
5	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2019187: The Board members were unable to assess contributory factors due to doubt as to whether the radar returns constituted a viable track.

2019190			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Human Factors	• Personnel Perception Events	Concerned by the proximity of the aircraft
Flight Elements			
• Regulations, Processes, Procedures and Compliance			
2	Human Factors	• Flight Crew ATM Procedure Deviation	Regulations/procedures not complied with
• Tactical Planning and Execution			
3	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
4	Human Factors	• Aircraft Navigation	Did not avoid/conform with the pattern of traffic already formed
5	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
• Situational Awareness of the Conflicting Aircraft and Action			
6	Human Factors	• Lack of Action	Pilot flew into conflict despite Situational Awareness
7	Human Factors	• Monitoring of Other Aircraft	Pilot did not sufficiently integrate with the other aircraft
• See and Avoid			
8	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

2019191			
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	Human Factors	• Conflict Detection - Detected Late	
3	Human Factors	• Conflict Resolution - Provided Late	

4	Human Factors	• Traffic Management Information Provision	Not provided, inaccurate, inadequate, or late
Flight Elements			
• Regulations, Processes, Procedures and Compliance			
5	Human Factors	• Flight Crew ATM Procedure Deviation	Regulations/procedures not complied with
• Tactical Planning and Execution			
6	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
7	Human Factors	• Action Performed Incorrectly	Did not follow instructions
8	Human Factors	• Aircraft Navigation	Did not avoid/conform with the pattern of traffic already formed
9	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
• Situational Awareness of the Conflicting Aircraft and Action			
10	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
11	Human Factors	• Monitoring of Other Aircraft	Pilot did not sufficiently integrate with the other aircraft
• Electronic Warning System Operation and Compliance			
12	Contextual	• ACAS/TCAS TA	TCAS TA / CWS indication
• See and Avoid			
13	Human Factors	• Lack of Action	Pilot flew close enough to cause the other pilot concern

	2019192		
CF	Factor	Description	Amplification
Ground Elements			
• Regulations, Processes, Procedures and Compliance			
1	Organisational	• Organisational Documentation and Publications	Inadequate regulations or procedures
2	Human Factors	• ATM Regulatory Deviation	Regulations and/or procedures not complied with
• Situational Awareness and Action			
3	Human Factors	• Conflict Detection - Not Detected	
4	Human Factors	• Traffic Management Information Provision	Not provided, inaccurate, inadequate, or late
Flight Elements			
• Regulations, Processes, Procedures and Compliance			
5	Human Factors	• Flight Crew ATM Procedure Deviation	Regulations/procedures not complied with
• Tactical Planning and Execution			
6	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
• Situational Awareness of the Conflicting Aircraft and Action			
7	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
8	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
9	Human Factors	• Mentoring	Sub-Optimal
10	Human Factors	• Monitoring of Other Aircraft	Pilot did not sufficiently integrate with the other aircraft
• See and Avoid			
11	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other
12	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

2019195			
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
Flight Elements			
• Tactical Planning and Execution			
2	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
• 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
• See and Avoid			
5	Human Factors	• Distraction - Job Related	Pilot looking elsewhere
6	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

2019197			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Human Factors	• Conflict Detection - Detected Late	
2	Human Factors	• Traffic Management Information Provision	Not provided, inaccurate, inadequate, or late
3	Human Factors	• Distraction - Job Related	
Flight Elements			
• Tactical Planning and Execution			
4	Human Factors	• Communications by Flight Crew with ANS	Controller not able to provide requested ATS
• Situational Awareness of the Conflicting Aircraft and Action			
5	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
• Electronic Warning System Operation and Compliance			
6	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
• See and Avoid			
7	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

2019198			
CF	Factor	Description	Amplification
Flight Elements			
• Tactical Planning and Execution			
1	Human Factors	• Communications by Flight Crew with ANS	Appropriate ATS not requested by pilot
• Situational Awareness of the Conflicting Aircraft and Action			
2	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
• Electronic Warning System Operation and Compliance			
3	Human Factors	• Interpretation of Automation or Flight Deck Information	CWS alert expected but none reported

	• See and Avoid		
4	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

	2019206		
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
	Flight Elements		
	• Regulations, Processes, Procedures and Compliance		
2	Human Factors	• Flight Crew ATM Procedure Deviation	Regulations/procedures not complied with
	• Tactical Planning and Execution		
3	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
4	Human Factors	• Aircraft Navigation	Did not avoid/conform with the pattern of traffic already formed
	• Situational Awareness of the Conflicting Aircraft and Action		
5	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
6	Human Factors	• Lack of Action	Pilot flew into conflict despite Situational Awareness
7	Human Factors	• Monitoring of Other Aircraft	Pilot did not sufficiently integrate with the other aircraft
	• See and Avoid		
8	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other
9	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

	2019207		
CF	Factor	Description	Amplification
	Ground Elements		
	• Manning and Equipment		
1	Organisational	• Aerodrome and ATM Equipment	Inadequate or unavailable equipment
	• Situational Awareness and Action		
2	Human Factors	• Conflict Resolution- Inadequate	
3	Human Factors	• Traffic Management Information Provision	Not provided, inaccurate, inadequate, or late
4	Human Factors	• Separation Provision	Not Achieved
5	Human Factors	• ATM Coordination	Inadequate or ineffective
	Flight Elements		
	• Tactical Planning and Execution		
6	Human Factors	• No Decision/Plan	Inadequate planning
7	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
8	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
	• Situational Awareness of the Conflicting Aircraft and Action		
9	Human Factors	• Mentoring	Sub-Optimal
10	Human Factors	• Distraction - Job Related	Pilot was engaged in other tasks

	• Electronic Warning System Operation and Compliance		
11	Contextual	• ACAS/TCAS RA	TCAS RA event
12	Contextual	• ACAS/TCAS TA	TCAS TA / CWS indication
	• See and Avoid		
13	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other