

Assessment Summary Sheet for UKAB Meeting on Wednesday 19th June 2019

Total	A	B	C	D	E
19	2	5	8	1	3

Airprox	Aircraft 1 (Type)	Aircraft 2 (Type)	Airspace (Class)	ICAO Risk
2019028	P68 (Civ FW)	BE36 (Civ FW)	London FIR (G)	C
Recommendation: The P68 operating company consider the incorporation of a TAS.				
2019032	Parachutists (Civ Para)	Tiger Moth (Civ FW)	London FIR (G)	D
2019034	A320 (CAT)	P68 (Civ Comm)	Luton CTR (D)	C
2019035	EC135 (HEMS)	Ikarus C42 (Civ FW)	Barton ATZ (G)	B
2019036	Falcon 2000 (Civ FW)	Mooney M20 (Civ FW)	London FIR (G)	C
2019037	PA28 (Civ FW)	C152 (Civ FW)	Blackbushe ATZ (G)	C
2019044	PA34 (Civ FW)	T67M (Civ FW)	London FIR (G)	E
2019045	AW109 (HQ Air Ops)	Light Aircraft (Unknown)	London FIR (G)	B
2019047	Wildcat (RN)	AW169 (HEMS)	London FIR (G)	C
2019049	Tutor (HQ Air Trg)	C150 (Civ FW)	London FIR (G)	E
2019051	A319(A) (CAT)	A319(B) (CAT)	Belfast TMA (D)	C
2019053	Typhoon (HQ Air Ops)	Tutor (HQ Air Trg)	London FIR (G)	A
2019055	C152(A) (Civ FW)	C152(B) (Civ FW)	London FIR (G)	B
2019056	AW109 (Civ Helo)	C152 (Civ FW)	London FIR (G)	B
2019058	ASH25 Glider (Civ Gld)	AA5 (Civ FW)	London FIR (G)	A
2019059	PA28(A) (Civ FW)	PA28(B) (Civ FW)	London FIR (G)	C
2019060	Prefect (HQ Air Trg)	ASH25 (Civ Gld)	London FIR (G)	C
2019061	Ventus Glider (Civ Gld)	Cabri G2 (Civ Helo)	London FIR (G)	B
2019062	Saab 340 (CAT)	S92 (Civ Helo)	Scottish FIR (G)	E

Contributory Factors:

2019028

CF	Factor	Description	Amplification
	Flight Elements		
	• Regulations, Processes, Procedures and Compliance		
1	Human Factors	• Flight Crew ATM Procedure Deviation	Regulations/procedures not complied with
	• Tactical Planning and Execution		
2	Human Factors	• Communications by Flight Crew with ANS	Appropriate Surveillance-based ATS not requested by pilot

• Situational Awareness of the Conflicting Aircraft and Action			
3	Human Factors	• Lack of Action	Pilot flew into conflict despite Situational Awareness
• Electronic Warning System Operation and Compliance			
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
6	Human Factors	• Lack of Action	Pilot flew into conflict

2019032

CF	Factor	Description	Amplification
Flight Elements			
• Tactical Planning and Execution			
1	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
2	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
3	Human Factors	• Aircraft Navigation	Flew through promulgated and active airspace
4	Human Factors	• Communications by Flight Crew with ANS	Appropriate Surveillance-based ATS not requested by pilot
5	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate airspace controlling authority
• Situational Awareness of the Conflicting Aircraft and Action			
6	Contextual	• Situational Awareness and Sensory Events	Pilot had no, or only generic, or late Situational Awareness
7	Human Factors	• Distraction - Job Related	Pilot was distracted by other tasks
• See and Avoid			
8	Human Factors	• Monitoring of Other Aircraft	Non-sighting by one or both pilots

2019034

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	Human Factors	• Mentoring	Sub-optimal
• Situational Awareness and Action			
3	Human Factors	• Conflict Resolution - Provided Late	
4	Human Factors	• Traffic Management Information Provision	Not provided, inaccurate, inadequate, or late
Flight Elements			
• Tactical Planning and Execution			
5	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
• Situational Awareness of the Conflicting Aircraft and Action			

6	Human Factors	• Interpretation of Automation or Flight Deck Information	Pilot was concerned by the proximity of the other aircraft
• See and Avoid			
7	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2019035

CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Human Factors	• Conflict Detection - Not Detected	
2	Human Factors	• Distraction - Job Related	
Flight Elements			
• Regulations, Processes, Procedures and Compliance			
3	Human Factors	• Flight Crew ATM Procedure Deviation	Regulations/procedures not complied with
• Tactical Planning and Execution			
4	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
5	Human Factors	• Aircraft Navigation	Did not avoid/conform with the pattern of traffic already formed
• Situational Awareness of the Conflicting Aircraft and Action			
6	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
7	Human Factors	• Lack of Action	Pilot flew into conflict despite Situational Awareness
8	Human Factors	• Distraction - Job Related	Pilot was distracted by other tasks
9	Human Factors	• Monitoring of Other Aircraft	Pilot did not sufficiently integrate with the other aircraft
• Electronic Warning System Operation and Compliance			
10	Human Factors	• Interpretation of Automation or Flight Deck Information	CWS alert expected but none reported
• See and Avoid			
11	Human Factors	• Monitoring of Other Aircraft	Non-sighting by one or both pilots
12	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots
13	Human Factors	• Lack of Action	Pilot flew into conflict

2019036

CF	Factor	Description	Amplification
Flight Elements			
• Regulations, Processes, Procedures and Compliance			
1	Human Factors	• Flight Crew ATM Procedure Deviation	Regulations/procedures not complied with
• Tactical Planning and Execution			
2	Human Factors	• Transponder Selection and Usage	Not correctly selected
• Situational Awareness of the Conflicting Aircraft and Action			
3	Human Factors	• Lack of Action	Pilot flew into conflict despite Situational Awareness

	• Electronic Warning System Operation and Compliance		
4	Contextual	• ACAS/TCAS RA	TCAS RA event
	• See and Avoid		
5	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2019037

CF	Factor	Description	Amplification
	Flight Elements		
	• Regulations, Processes, Procedures and Compliance		
1	Human Factors	• Flight Crew ATM Procedure Deviation	Regulations/procedures not complied with
	• Tactical Planning and Execution		
2	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
	• Situational Awareness of the Conflicting Aircraft and Action		
3	Contextual	• Situational Awareness and Sensory Events	Pilot had no, or only generic, or late Situational Awareness
	• See and Avoid		
4	Human Factors	• Monitoring of Other Aircraft	Non-sighting by one or both pilots
5	Human Factors	• Lack of Action	Pilot flew into conflict

2019044

CF	Factor	Description	Amplification
	Flight Elements		
	• Situational Awareness of the Conflicting Aircraft and Action		
1	Human Factors	• Interpretation of Automation or Flight Deck Information	Pilot was concerned by the proximity of the other aircraft
	• See and Avoid		
2	Human Factors	• Monitoring of Other Aircraft	Sighting report
3	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2019045

CF	Factor	Description	Amplification
	Flight Elements		
	• Tactical Planning and Execution		
1	Human Factors	• Communications by Flight Crew with ANS	Controller not able to provide requested ATS
	• Situational Awareness of the Conflicting Aircraft and Action		
2	Contextual	• Situational Awareness and Sensory Events	Pilot had no, or only generic, or late Situational Awareness
	• 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	Late-sighting by one or both pilots

2019047

CF	Factor	Description	Amplification
	Flight Elements		
	• Regulations, Processes, Procedures and Compliance		
1	Human Factors	• Flight Crew ATM Procedure Deviation	Regulations/procedures not complied with
	• Tactical Planning and Execution		
2	Human Factors	• No Decision/Plan	Inadequate planning
3	Human Factors	• Transponder Selection and Usage	Not correctly selected
4	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate airspace controlling authority
	• Situational Awareness of the Conflicting Aircraft and Action		
5	Contextual	• Situational Awareness and Sensory Events	Pilot had no, or only generic, or late Situational Awareness
	• Electronic Warning System Operation and Compliance		
6	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
	• See and Avoid		
7	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other
8	Human Factors	• Monitoring of Other Aircraft	Non-sighting by one or both pilots
9	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2019049

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
	• See and Avoid		
2	Human Factors	• Monitoring of Other Aircraft	Non-sighting by one or both pilots

2019051

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	Human Factors	• Mentoring	Sub-Optimal
	• Situational Awareness and Action		
3	Human Factors	• Inappropriate Clearance	Controller instructions contributed to the conflict
4	Human Factors	• Separation Provision	Not Achieved
	Flight Elements		

	• Situational Awareness of the Conflicting Aircraft and Action		
5	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		
6	Contextual	• ACAS/TCAS TA	TCAS TA indication

2019053

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	• Inappropriate Clearance	Controller instructions contributed to the conflict
5	Human Factors	• Traffic Management Information Provision	Not provided, inaccurate, inadequate, or late
	Flight Elements		
	• Tactical Planning and Execution		
6	Human Factors	• Communications by Flight Crew with ANS	Controller not able to provide requested ATS
	• Situational Awareness of the Conflicting Aircraft and Action		
7	Contextual	• Situational Awareness and Sensory Events	Pilot had no, or only generic, or late Situational Awareness
	• Electronic Warning System Operation and Compliance		
8	Contextual	• ACAS/TCAS TA	TCAS TA indication
	• See and Avoid		
9	Human Factors	• Monitoring of Other Aircraft	Non-sighting by one or both pilots

2019055

CF	Factor	Description	Amplification
	Flight Elements		
	• Tactical Planning and Execution		
1	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
2	Human Factors	• Transponder Selection and Usage	Not correctly selected
	• Situational Awareness of the Conflicting Aircraft and Action		
3	Contextual	• Situational Awareness and Sensory Events	Pilot had no, or only generic, or late Situational Awareness
	• See and Avoid		
4	Human Factors	• Lack of Action	Pilot flew into conflict

2019056

CF	Factor	Description	Amplification
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Flight Elements			
• Tactical Planning and Execution			
1	Human Factors	• Communications by Flight Crew with ANS	Appropriate Surveillance-based ATS not requested by pilot
• Situational Awareness of the Conflicting Aircraft and Action			
2	Human Factors	• Lack of Action	Pilot flew into conflict despite Situational Awareness
• Electronic Warning System Operation and Compliance			
3	Human Factors	• Interpretation of Automation or Flight Deck Information	CWS misinterpreted or not optimally actioned
• See and Avoid			
4	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots
5	Human Factors	• Lack of Action	Pilot flew into conflict

2019058

CF	Factor	Description	Amplification
Flight Elements			
• Tactical Planning and Execution			
1	Human Factors	• Communications by Flight Crew with ANS	Appropriate Surveillance-based ATS not requested by pilot
• Situational Awareness of the Conflicting Aircraft and Action			
2	Contextual	• Situational Awareness and Sensory Events	Pilot had no, or only generic, or late Situational Awareness
3	Human Factors	• Distraction - Job Related	Pilot was distracted by other tasks
• 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 by one or both pilots
6	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2019059

CF	Factor	Description	Amplification
Flight Elements			
• Tactical Planning and Execution			
1	Human Factors	• Communications by Flight Crew with ANS	Apt ATS not requested by pilot
• Situational Awareness of the Conflicting Aircraft and Action			
2	Contextual	• Situational Awareness and Sensory Events	Pilot had no, or only generic, or late Situational Awareness
3	Human Factors	• Distraction - Job Related	Pilot was distracted by other tasks
• See and Avoid			
4	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2019060

CF	Factor	Description	Amplification
	Flight Elements		
	• Situational Awareness of the Conflicting Aircraft and Action		
1	Contextual	• Situational Awareness and Sensory Events	Pilot had no, or only generic, or late 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	Late-sighting by one or both pilots

2019061

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 by one or both pilots
3	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2019062

CF	Factor	Description	Amplification
	Ground Elements		
	• Situational Awareness and Action		
1		• Any other event	Controller could have employed other defensive options
	Flight Elements		
	• Situational Awareness of the Conflicting Aircraft and Action		
2	Human Factors	• Interpretation of Automation or Flight Deck Information	Pilot was concerned by the proximity of the other aircraft