

Assessment Summary Sheet for UKAB Meeting on Wednesday 15th July 2020

Total	A	B	C	D	E
12	1	1	7	0	3

Airprox	Aircraft 1 (Type)	Aircraft 2 (Type)	Airspace (Class)	ICAO Risk
2020016	Wildcat (HQ JHC)	Tutor (RN)	Yeovilton ATZ (G)	E
2020025	Chinook (HQ JHC)	AS350 (Civ Helo)	London FIR (G)	E
2020027	Prefect (HQ Air Trg)	C182 (Civ FW)	London FIR (G)	C
2020030	Saab 340B (CAT)	F-15 (Foreign Mil)	Scottish FIR (G)	E
2020032	Puma (HQ JHC)	BN2T (Civ Comm)	London FIR (G)	C
2020035	Apache(2) (HQ JHC)	Apache(1) (HQ JHC)	London FIR (G)	B
2020038	Apache (HQ JHC)	EC145 (HEMS)	London FIR (G)	C
2020039	DJI Matrice (Civ UAS)	C150 (Civ FW)	Gamston ATZ (G)	C
2020041	QuikR (Civ FW)	Untraced Tiger Moth (Civ FW)	London FIR (G)	C
2020042	FA20 (Civ Comm)	Model Aircraft (Unknown)	London FIR (G)	C
2020044	FA20 (Civ Comm)	ASK13 (Civ Gld)	London FIR (G)	C
2020045	P51D Mustang (Civ FW)	QuikR Microlight (Civ FW)	London FIR (G)	A

	2020016		
CF	Factor	Description	Amplification
	Ground Elements		
	• Situational Awareness and Action		
1	Human Factors	• Conflict Resolution - Provided Late	
	Flight Elements		
	• Situational Awareness of the Conflicting Aircraft and Action		
2	Human Factors	• Situational Awareness and Sensory Events	Pilot was concerned by the proximity of the other aircraft
	• Electronic Warning System Operation and Compliance		
3	Contextual	• ACAS/TCAS TA	
	• See and Avoid		
4	Human Factors	• Perception of Visual Information	Pilot perceived there was no conflict
5	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

	2020025		
CF	Factor	Description	Amplification
	Ground Elements		
	• Situational Awareness and Action		
1	Contextual	• ANS Flight Information Provision	Not required to monitor the aircraft under the agreed service
	Flight Elements		
	• Electronic Warning System Operation and Compliance		
2	Contextual	• ACAS/TCAS TA	
	• See and Avoid		
3	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2020027			
CF	Factor	Description	Amplification
Ground Elements			
• Manning and Equipment			
1	Organisational	• ATM Staffing and Scheduling	Sub-Optimal establishment or scheduling of staff
2	Human Factors	• Leadership and Supervision	
• Situational Awareness and Action			
3	Human Factors	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late
4	Human Factors	• Distraction - Job Related	Controller engaged in other tasks
Flight Elements			
• Electronic Warning System Operation and Compliance			
5	Contextual	• ACAS/TCAS TA	
• See and Avoid			
6	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots
7	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2020030			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Contextual	• Situational Awareness and Sensory Events	The controller had only generic, late or no Situational Awareness
Flight Elements			
• Regulations, Processes, Procedures and Compliance			
2	Human Factors	• Flight Operations Documentation and Publications	Regulations and/or procedures not complied with
• Tactical Planning and Execution			
3	Human Factors	• Flight Planning and Preparation	
• Electronic Warning System Operation and Compliance			
4	Contextual	• ACAS/TCAS TA	
• See and Avoid			
5	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2020032			
CF	Factor	Description	Amplification
Ground Elements			
• Manning and Equipment			
1	Technical	• Aerodrome and ATM Equipment	Non-functional or unavailable equipment
• Situational Awareness and Action			
2	Contextual	• ANS Flight Information Provision	Controller not able to provide requested ATS
3	Human Factors	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late
Flight Elements			
• Tactical Planning and Execution			
4	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
5	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
6	Human Factors	• Communications by Flight Crew with ANS	Appropriate ATS not requested by pilot
• Situational Awareness of the Conflicting Aircraft and Action			
7	Human Factors	• Lack of Communication	Pilot did not request additional information
8	Human Factors	• Distraction - Job Related	Pilot engaged in other tasks
9	Human Factors	• Situational Awareness and Sensory Events	Pilot was concerned by the proximity of the other aircraft
• Electronic Warning System Operation and Compliance			
10	Contextual	• ACAS/TCAS TA	
• See and Avoid			

11	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
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2020035			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Contextual	• ANS Flight Information Provision	Not required to monitor the aircraft under the agreed service
2	Contextual	• Situational Awareness and Sensory Events	The controller had only generic, late or no Situational Awareness
Flight Elements			
• Regulations, Processes, Procedures and Compliance			
3	Human Factors	• Flight Operations Documentation and Publications	Regulations and/or procedures not complied with
• Tactical Planning and Execution			
4		• Any other event	Inadequate supervisory oversight
5	Human Factors	• Pre-flight briefing and flight preparation	
6	Human Factors	• Flight Planning and Preparation	
7	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
8	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
9	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate ATS provider
• Situational Awareness of the Conflicting Aircraft and Action			
10		• Any other event	Lack of sufficient tactical symbology
11	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
12	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
13	Human Factors	• Mentoring	
14	Human Factors	• Distraction - Job Related	Pilot engaged in other tasks
• See and Avoid			
15	Human Factors	• Distraction - Job Related	Pilot looking elsewhere
16	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
17	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2020038			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Human Factors	• Inappropriate Clearance	The ANS clearance contributed to the Airprox
2	Human Factors	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late
Flight Elements			
• Regulations, Processes, Procedures and Compliance			
3	Human Factors	• Flight Operations Documentation and Publications	Regulations and/or procedures not complied with
• Tactical Planning and Execution			
4	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
5	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
• 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 close enough to cause concern despite Situational Awareness
8	Human Factors	• Distraction - Job Related	Pilot engaged in other tasks
• Electronic Warning System Operation and Compliance			
9	Contextual	• ACAS/TCAS TA	
• See and Avoid			
10	Human Factors	• Lack of Action	Pilot flew close enough to cause concern

2020039			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Contextual	• ANS Flight Information Provision	Not required to monitor the aircraft under the agreed service
2	Contextual	• Situational Awareness and Sensory Events	The controller had only generic, late or no Situational Awareness
Flight Elements			
• Situational Awareness of the Conflicting Aircraft and Action			
3	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
4	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
• 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	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2020041			
CF	Factor	Description	Amplification
Flight Elements			
• Regulations, Processes, Procedures and Compliance			
1	Human Factors	• Flight Operations Documentation and Publications	Regulations and/or procedures not complied with
• Tactical Planning and Execution			
2	Human Factors	• Pre-flight briefing and flight preparation	
3	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
4	Human Factors	• Monitoring of Other Aircraft	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	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
• See and Avoid			
7	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2020042			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Contextual	• Situational Awareness and Sensory Events	The controller had only generic, late or no Situational Awareness
Flight Elements			
• Tactical Planning and Execution			
2	Human Factors	• Pre-flight briefing and flight preparation	
• Situational Awareness of the Conflicting Aircraft and Action			
3	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, 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

2020044			
CF	Factor	Description	Amplification
Ground Elements			

• Regulations, Processes, Procedures and Compliance			
1		• Any other event	Existing notification procedures not followed
• Situational Awareness and Action			
2	Contextual	• Situational Awareness and Sensory Events	The controller had only generic, late or no Situational Awareness
3	Human Factors	• Conflict Detection - Not Detected	
Flight Elements			
• Tactical Planning and Execution			
4	Human Factors	• Flight Planning and Preparation	
• Situational Awareness of the Conflicting Aircraft and Action			
5	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, 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	Late-sighting by one or both pilots

2020045			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Contextual	• ANS Flight Information Provision	Not required to monitor the aircraft under the agreed service
2	Contextual	• Situational Awareness and Sensory Events	The controller had only generic, late or no Situational Awareness
Flight Elements			
• Tactical Planning and Execution			
3	Human Factors	• Flight Planning and Preparation	
4	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate ATS provider
• Situational Awareness of the Conflicting Aircraft and Action			
5	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
• Electronic Warning System Operation and Compliance			
6	Technical	• ACAS/TCAS System Failure	CWS did not alert as expected
• See and Avoid			
7	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other
8	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
9	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots