

Assessment Summary Sheet for UKAB Meeting on Wednesday 24th February 2021

Total	A	B	C	D	E
14	2	7	4	0	1

Airprox	Aircraft 1 (Type)	Aircraft 2 (Type)	Airspace (Class)	ICAO Risk
2020136	Sportavia (Civ FW)	DA40 (Civ FW)	Exeter ATZ (G)	B
2020143	EC145 (HEMS)	C150 (Civ FW)	London FIR (G)	B
2020145	BE76 (Civ FW)	EMB505 (Civ Comm)	Bournemouth CTR (D)	C
2020149	AW169 (HEMS)	R66 (Civ Helo)	London FIR (G)	E
2020151	PA34 (Civ FW)	Grob109 (Civ FW)	London FIR (G)	C
2020152	SF25C Glider (Civ FW)	PA28 (Civ FW)	London FIR (G)	B
2020153	ASK13 (Civ Gld)	PA22 (Civ FW)	London FIR (G)	B
2020154	Tutor (HQ Air Trg)	F35x2 (Foreign Mil)	Marham ATZ (G)	B
2020156	Sonaca 200 (Civ FW)	PA28(A) (Civ FW)	Blackbushe ATZ (G)	B
2020157	BE200 (Civ Comm)	Embraer 145 (CAT)	Scottish FIR (G)	C
2020158	Wildcat(A) (HQ JHC)	Wildcat(B) (RN)	Yeovilton ATZ (G)	C
2020159	SZD-51 Junior (Civ Gld)	PA28 (Civ FW)	London FIR (G)	A
2020160	C42 (Civ FW)	PA28 (Civ FW)	London FIR (G)	A
2020161	AC11 (Civ FW)	R44 (Civ Helo)	Blackbushe ATZ (G)	B

2020136	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 Resolution- Inadequate	
3	Human Factors	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late
	Flight Elements		
	• Tactical Planning and Execution		
4	Human Factors	• Monitoring of Other Aircraft	Did not avoid/conform with the pattern of traffic already formed
	• Situational Awareness of the Conflicting Aircraft and Action		
5	Human Factors	• Lack of Communication	Pilot did not request additional information
6	Human Factors	• Monitoring of Other Aircraft	Pilot did not sufficiently integrate with the other aircraft
	• Electronic Warning System Operation and Compliance		
7	Technical	• Interpretation of Automation or Flight Deck Information	CWS alert expected but none reported
	• See and Avoid		
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

2020143			
CF	Factor	Description	Amplification
Flight Elements			
x	• Regulations, Processes, Procedures and Compliance		
1	Human Factors	• Flight Operations Documentation and Publications	Regulations and/or procedures not fully complied with
x	• Tactical Planning and Execution		
2	Human Factors	• Flight Planning and Preparation	
3	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
x	• Situational Awareness of the Conflicting Aircraft and Action		
4	Contextual	• Situational Awareness and Sensory Events	The pilot had generic, late or no Situational Awareness
x	• Electronic Warning System Operation and Compliance		
5	Contextual	• ACAS/TCAS TA	
6	Technical	• ACAS/TCAS System Failure	CWS did not alert as expected
x	• 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
10	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2020145			
CF	Factor	Description	Amplification
Flight Elements			
• Regulations, Processes, Procedures and Compliance			
1	Human Factors	• Flight Crew ATC Clearance Deviation	
• Tactical Planning and Execution			
2	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
3	Human Factors	• Flight Level/Altitude Deviation (Level Bust)	
• Situational Awareness of the Conflicting Aircraft and Action			
4	Human Factors	• Situational Awareness and Sensory Events	Pilot was concerned by the proximity of the other aircraft
• See and Avoid			
5	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

2020149			
CF	Factor	Description	Amplification
Flight Elements			
x	• 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
x	• Electronic Warning System Operation and Compliance		
2	Contextual	• ACAS/TCAS RA	
x	• See and Avoid		
3	Human Factors	• Perception of Visual Information	Pilot perceived there was no conflict
4	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2020151			
CF	Factor	Description	Amplification
Flight Elements			
x	• Situational Awareness of the Conflicting Aircraft and Action		
1	Contextual	• Situational Awareness and Sensory Events	The pilot had generic, late or no Situational Awareness
2	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
• Electronic Warning System Operation and Compliance			
3	Contextual	• Other warning system operation	Warning from a system other than TCAS
• See and Avoid			
4	Human Factors	• Distraction - Job Related	Pilot looking elsewhere
5	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2020152			
CF	Factor	Description	Amplification
Ground Elements			
x	• Situational Awareness and Action		
1	Contextual	• ANS Flight Information Provision	Not required to monitor the aircraft under the agreed service
Flight Elements			
x	• Tactical Planning and Execution		
2	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate ATS provider
• Situational Awareness of the Conflicting Aircraft and Action			
3	Contextual	• Situational Awareness and Sensory Events	The pilot had generic, late or no Situational Awareness
• Electronic Warning System Operation and Compliance			
4	Contextual	• Other warning system operation	Warning from a system other than TCAS
• See and Avoid			
5	Human Factors	• Distraction - Job Related	Pilot looking elsewhere
6	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
7	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

2020153			
CF	Factor	Description	Amplification
Flight Elements			
x	• Regulations, Processes, Procedures and Compliance		
1	Human Factors	• Flight Operations Documentation and Publications	Regulations and/or procedures not fully complied with
• Tactical Planning and Execution			
2	Human Factors	• Flight Planning and Preparation	
3	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
• Situational Awareness of the Conflicting Aircraft and Action			
4	Contextual	• Situational Awareness and Sensory Events	The pilot had generic, late or no Situational Awareness
• Electronic Warning System Operation and Compliance			
5	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
• See and Avoid			
6	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
7	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

	2020154		
CF	Factor	Description	Amplification
	Ground Elements		
x	• Regulations, Processes, Procedures and Compliance		
1	Human Factors	• ATM Regulatory Deviation	Regulations and/or procedures not fully complied with
x	• Manning and Equipment		
2	Organisational	• ATM Staffing and Scheduling	Sub-Optimal establishment or scheduling of staff
3	Human Factors	• Leadership and Supervision	
4	Human Factors	• Mentoring	The controllers mentoring was sub-optimal
x	• Situational Awareness and Action		
5	Contextual	• Situational Awareness and Sensory Events	The controller had generic, late or no Situational Awareness
6	Human Factors	• Distraction - Job Related	Controller engaged in other tasks
7	Human Factors	• ATM Coordination	
	Flight Elements		
x	• Regulations, Processes, Procedures and Compliance		
8	Human Factors	• Flight Operations Documentation and Publications	Regulations and/or procedures not fully complied with
x	• Tactical Planning and Execution		
9	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
10	Human Factors	• Monitoring of Other Aircraft	Did not avoid/conform with the pattern of traffic already formed
11	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
12	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate ATS provider
x	• Situational Awareness of the Conflicting Aircraft and Action		
13	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
x	• Electronic Warning System Operation and Compliance		
14	Contextual	• Other warning system operation	Warning from a system other than TCAS
x	• See and Avoid		
15	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
16	Human Factors	• Perception of Visual Information	Pilot perceived there was no conflict
17	Human Factors	• Lack of Action	Pilot flew into conflict

	2020156		
CF	Factor	Description	Amplification
	Ground Elements		
x	• Regulations, Processes, Procedures and Compliance		
1	Human Factors	• ATM Regulatory Deviation	Regulations and/or procedures not fully complied with
x	• Situational Awareness and Action		
2	Human Factors	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late
3	Human Factors	• Distraction - Job Related	Controller engaged in other tasks
	Flight Elements		
x	• Tactical Planning and Execution		
4	Human Factors	• Monitoring of Other Aircraft	Did not avoid/conform with the pattern of traffic already formed
x	• Situational Awareness of the Conflicting Aircraft and Action		
5	Contextual	• Situational Awareness and Sensory Events	The pilot had generic, late or no Situational Awareness
6	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
7	Human Factors	• Distraction - Job Related	Pilot engaged in other tasks
x	• See and Avoid		
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

2020157			
CF	Factor	Description	Amplification
Ground Elements			
x	• Situational Awareness and Action		
1	Contextual	• Situational Awareness and Sensory Events	The controller had generic, late or no Situational Awareness
2	Human Factors	• Conflict Detection - Not Detected	
Flight Elements			
x	• Regulations, Processes, Procedures and Compliance		
3	Human Factors	• Flight Crew ATC Clearance Deviation	
x	• Tactical Planning and Execution		
4	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
5	Human Factors	• Operation with Incorrect Altimeter Setting	
6	Human Factors	• Flight Level/Altitude Deviation (Level Bust)	
x	• Electronic Warning System Operation and Compliance		
7	Contextual	• ACAS/TCAS RA	
8	Contextual	• ACAS/TCAS TA	

2020158			
CF	Factor	Description	Amplification
Ground Elements			
x	• Regulations, Processes, Procedures and Compliance		
1	Organisational	• ATM Information Provision	Inadequate regulations or procedures
2	Human Factors	• ATM Regulatory Deviation	Regulations and/or procedures not fully complied with
x	• Manning and Equipment		
3	Organisational	• ATM Staffing and Scheduling	Sub-Optimal establishment or scheduling of staff
4	Human Factors	• Leadership and Supervision	
x	• Situational Awareness and Action		
5	Human Factors	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late
6	Human Factors	• Distraction - Job Related	Controller engaged in other tasks
7	Human Factors	• ATM Coordination	
Flight Elements			
x	• Tactical Planning and Execution		
8	Organisational	• Flight Planning Information Sources	Inadequate planning material
9	Human Factors	• Pre-flight briefing and flight preparation	
x	• Situational Awareness of the Conflicting Aircraft and Action		
10	Contextual	• Situational Awareness and Sensory Events	The pilot had generic, late or no Situational Awareness
x	• Electronic Warning System Operation and Compliance		
11	Contextual	• Other warning system operation	Warning from a system other than TCAS
x	• See and Avoid		
12	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2020159			
CF	Factor	Description	Amplification
Flight Elements			
x	• Tactical Planning and Execution		
1	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
x	• Situational Awareness of the Conflicting Aircraft and Action		
2	Contextual	• Situational Awareness and Sensory Events	The pilot had generic, late or no Situational Awareness
x	• Electronic Warning System Operation and Compliance		
3	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
x	• See and Avoid		

4	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
5	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

2020160			
CF	Factor	Description	Amplification
Ground Elements			
x	• Situational Awareness and Action		
1	Contextual	• ANS Flight Information Provision	Not required to monitor the aircraft under the agreed service
Flight Elements			
x	• Tactical Planning and Execution		
2	Human Factors	• Communications by Flight Crew with ANS	Appropriate ATS not requested by pilot
x	• Situational Awareness of the Conflicting Aircraft and Action		
3	Contextual	• Situational Awareness and Sensory Events	The pilot had generic, late or no Situational Awareness
x	• See and Avoid		
4	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
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

2020161			
CF	Factor	Description	Amplification
Ground Elements			
x	• Regulations, Processes, Procedures and Compliance		
1	Human Factors	• ATM Regulatory Deviation	Regulations and/or procedures not fully complied with
x	• Situational Awareness and Action		
2	Human Factors	• Conflict Detection - Not Detected	
3	Human Factors	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late
Flight Elements			
x	• Regulations, Processes, Procedures and Compliance		
4	Human Factors	• Flight Operations Documentation and Publications	Regulations and/or procedures not fully complied with
x	• Tactical Planning and Execution		
5	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
6	Human Factors	• Monitoring of Other Aircraft	Did not avoid/conform with the pattern of traffic already formed
x	• Situational Awareness of the Conflicting Aircraft and Action		
7	Contextual	• Situational Awareness and Sensory Events	The pilot had generic, late or no Situational Awareness
8	Human Factors	• Lack of Communication	Pilot did not request additional information
x	• See and Avoid		
9	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other
10	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
11	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots