

Assessment Summary Sheet for UKAB Meeting on Wednesday 20th January 2021

Total	A	B	C	D	E
13	2	3	6	0	2

Airprox	Aircraft 1 (Type)	Aircraft 2 (Type)	Airspace (Class)	ICAO Risk
2020120	P68 (Civ Comm)	P750 (Civ Comm)	London FIR (G)	E
2020121	S92 (Civ Comm)	Quik GT450 (Civ FW)	Scottish FIR (G)	C
2020122	DA40 (Civ FW)	Cirrus SR20 (Civ FW)	London FIR (G)	C
2020124	C404 (Civ Comm)	PA28 (Civ FW)	London FIR (G)	C
2020126	DA42 (Civ FW)	Jet Provost (Civ FW)	London FIR (G)	B
2020127	PA28 (Civ FW)	C172 (Civ FW)	White Waltham ATZ (G)	A
2020129	ASK 21 (Civ Gld)	BE36 (Civ FW)	Wattisham ATZ (G)	C
2020132	Hawk T1 (HQ Air Ops)	RotorSport MT-03 (Civ Helo)	London FIR (G)	C
2020134	PA28 (Civ FW)	PA32 (Civ FW)	Lee-on-Solent ATZ (G)	B
2020137	Cabri G2 (Civ Helo)	Vampire (Civ FW)	London FIR (G)	B
2020138	Paraglider (Civ Hang)	AS355 (Civ Helo)	London FIR (G)	E
2020139	Fournier RF3 (Civ FW)	SportCruiser (Civ FW)	London FIR (G)	C
2020141	Ikarus C42 (Civ FW)	C152 (Civ FW)	Barton ATZ (G)	A

2020120	Factor	Description	Amplification
CF			
	Flight Elements		
	• Tactical Planning and Execution		
1	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
	• Situational Awareness of the Conflicting Aircraft and Action		
2	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
	• See and Avoid		
3	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other
4	Human Factors	• Distraction - Job Related	Pilot looking elsewhere
5	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2020121	Factor	Description	Amplification
CF			
	Ground Elements		
	• Manning and Equipment		
1	Technical	• Aerodrome and ATM Equipment	Non-functional or unavailable equipment
	• 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	
4	Human Factors	• Distraction - Job Related	Controller engaged in other tasks
	Flight Elements		

	• Tactical Planning and Execution		
5	Human Factors	• Flight Planning and Preparation	
6	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate ATS provider
	• Situational Awareness of the Conflicting Aircraft and Action		
7	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
	• Electronic Warning System Operation and Compliance		
8	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
	• See and Avoid		
9	Contextual	• Loss of Separation	A conflict in the FIR
10	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

	2020122		
CF	Factor	Description	Amplification
	Ground Elements		
	• Situational Awareness and Action		
1	Human Factors	• Conflict Detection - Detected Late	
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		
	• Tactical Planning and Execution		
4	Human Factors	• Flight Planning and Preparation	
5	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate ATS provider
	• Situational Awareness of the Conflicting Aircraft and Action		
6	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
	• Electronic Warning System Operation and Compliance		
7	Contextual	• Other warning system operation	Warning from a system other than TCAS
8	Human Factors	• Interpretation of Automation or Flight Deck Information	CWS misinterpreted or not optimally actioned
	• See and Avoid		
9	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other
10	Human Factors	• Distraction - Job Related	Pilot looking elsewhere
11	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
12	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

	2020124		
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	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late
	• Electronic Warning System Operation and Compliance		
3	Human Factors	• ATM personnel operation/interpretation of equipment	Controller did not adequately act on the EWS indications
4	Technical	• STCA Warning	
	Flight Elements		
	• Tactical Planning and Execution		
5	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
6	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
7	Human Factors	• Communications by Flight Crew with ANS	Appropriate ATS not requested by pilot
	• Situational Awareness of the Conflicting Aircraft and Action		
8	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
9	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information

	• See and Avoid		
10	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other
11	Contextual	• Loss of Separation	A conflict in the FIR
12	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

	2020126		
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	• Insufficient Decision/Plan	Inadequate plan adaption
3	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
	• Situational Awareness of the Conflicting Aircraft and Action		
4	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
5	Human Factors	• Lack of Action	Pilot flew into conflict despite Situational Awareness
	• Electronic Warning System Operation and Compliance		
6	Contextual	• ACAS/TCAS TA	
	• See and Avoid		
7	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
8	Human Factors	• Lack of Action	Pilot flew into conflict

	2020127		
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		
	• Tactical Planning and Execution		
2	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
3	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		
4	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
5	Human Factors	• Situational Awareness and Sensory Events	Pilot was concerned by the proximity of the other aircraft
6	Human Factors	• Monitoring of Other Aircraft	Pilot did not sufficiently integrate with the other aircraft
	• 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

	2020129		
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		
	• 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	
4	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
5	Human Factors	• Aircraft Navigation	Flew through promulgated and active airspace
6	Human Factors	• Monitoring of Other Aircraft	Did not avoid/conform with the pattern of traffic already formed
7	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
	• Situational Awareness of the Conflicting Aircraft and Action		
8	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
	• Electronic Warning System Operation and Compliance		
9	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
	• See and Avoid		
10	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
11	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

	2020132		
CF	Factor	Description	Amplification
	Flight Elements		
	• Situational Awareness of the Conflicting Aircraft and Action		
1	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
	• See and Avoid		
2	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
3	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

	2020134		
CF	Factor	Description	Amplification
	Ground Elements		
	• Manning and Equipment		
1	Human Factors	• Mentoring	
	• Situational Awareness and Action		
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	• Pre-flight briefing and flight preparation	
5	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
6	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		
7	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
8	Human Factors	• Lack of Communication	Pilot did not request additional information
	• See and Avoid		
9	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
10	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
11	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2020137			
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	• ANS Flight Information Provision	Controller not able to provide requested ATS
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	• Pre-flight briefing and flight preparation	
5	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
6	Human Factors	• Transponder Selection and Usage	Selected off or incorrect selection
7	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
8	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate ATS provider
• Situational Awareness of the Conflicting Aircraft and Action			
9	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
• See and Avoid			
10	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
11	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots
12	Human Factors	• Lack of Action	Pilot flew into conflict

2020138			
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			
• Tactical Planning and Execution			
2	Human Factors	• Flight Planning and 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
6	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2020139			
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			
• 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	• Action Performed Incorrectly	Incorrect or ineffective execution
4	Human Factors	• Accuracy of Communication	Ineffective communication of intentions

	• 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	• Interpretation of Automation or Flight Deck Information	CWS alert expected but none reported
	• See and Avoid		
7	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other
8	Contextual	• Loss of Separation	A conflict in the FIR
9	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
10	Human Factors	• Perception of Visual Information	Pilot perceived there was no conflict
11	Human Factors	• Lack of Action	Pilot flew close enough to cause concern

	2020141		
CF	Factor	Description	Amplification
	Ground Elements		
	• 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 complied with
	• Situational Awareness and Action		
3	Contextual	• Situational Awareness and Sensory Events	The controller had only generic, late or no Situational Awareness
4	Human Factors	• Conflict Detection - Not Detected	
5	Human Factors	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late
	Flight Elements		
	• Regulations, Processes, Procedures and Compliance		
6	Human Factors	• Flight Operations Documentation and Publications	Regulations and/or procedures not complied with
	• Tactical Planning and Execution		
7	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
	• Situational Awareness of the Conflicting Aircraft and Action		
8	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
9	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
10	Human Factors	• Lack of Communication	Pilot did not request additional information
11	Human Factors	• Monitoring of Other Aircraft	Pilot did not sufficiently integrate with the other aircraft
	• See and Avoid		
12	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
13	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots