

Assessment Summary Sheet for UKAB Meeting on Wednesday 17th June 2020

Total	A	B	C	D	E
10	0	4	4	1	1

Airprox	Aircraft 1 (Type)	Aircraft 2 (Type)	Airspace (Class)	ICAO Risk
2020008	MD 902 (Civ Helo)	Kite (Civ UAS)	London FIR (G)	B
2020010	DA40 (Civ FW)	Unk Light ac (Civ FW)	London FIR (G)	B
2020014	PA28 (Civ FW)	R44 (Civ Helo)	White Waltham ATZ (G)	B
2020017	CL600 (Civ Comm)	Mooney M20J (Civ FW)	London FIR (G)	C
2020018	Phenom (HQ Air Trg)	Tutor (HQ Air Trg)	RAF Cranwell ATZ (G)	B
2020019	Tutor (HQ Air Trg)	DA42 (Civ FW)	Cosford ATZ (G)	C
2020020	A320 (CAT)	A380 (CAT)	London TMA (A)	C
2020022	ASK21 Glider (Civ Gld)	MD500 (Civ Helo)	Luton CTR (D)	E
2020026	DA42 (Civ FW)	C152 (Civ FW)	Southend CTR (D)	C
2020031	DJI Mavic 2 (Civ UAS)	Cabri G2 (Civ Helo)	London FIR (G)	D

CF	2020008	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		
		• Situational Awareness of the Conflicting Aircraft and Action		
4	Contextual	• Situational Awareness and Sensory Events		Pilot had no, late or only generic, Situational Awareness
		• Electronic Warning System Operation and Compliance		
5	Technical	• ACAS/TCAS System Failure		Incompatible CWS equipment
		• See and Avoid		
6	Human Factors	• Distraction - Job Related		Pilot looking elsewhere
7	Contextual	• Near Airborne Collision with Other Airborne Object		Unpiloted air vehicle
8	Human Factors	• Monitoring of Other Aircraft		Non-sighting or effectively a non-sighting by one or both pilots
9	Human Factors	• Monitoring of Other Aircraft		Late-sighting by one or both pilots

CF	2020010	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
• Electronic Warning System Operation and Compliance			
4	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
• See and Avoid			
5	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
6	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

	2020014		
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	• Pre-flight briefing and flight preparation	
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
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	• Monitoring of Other Aircraft	Pilot did not sufficiently integrate with the other aircraft
• Electronic Warning System Operation and Compliance			
10	Contextual	• ACAS/TCAS TA	
11	Technical	• ACAS/TCAS System Failure	CWS did not alert as expected
• 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	Late-sighting by one or both pilots

	2020017		
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
2	Human Factors	• Conflict Detection - Not Detected	
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	• Action Performed Incorrectly	Incorrect or ineffective execution

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
7	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			
8	Contextual	• ACAS/TCAS TA	
• See and Avoid			
9	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other
10	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

2020018			
CF	Factor	Description	Amplification
Ground Elements			
• Regulations, Processes, Procedures and Compliance			
1		• Any other event	Sub-optimal scheduling of unit activity
• Manning and Equipment			
2	Human Factors	• Leadership and Supervision	
• Situational Awareness and Action			
3	Human Factors	• Conflict Detection - Not Detected	
4	Human Factors	• Conflict Resolution - Not provided	
5	Human Factors	• Distraction - Job Related	Controller engaged in other tasks
Flight Elements			
• Tactical Planning and Execution			
6	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
• Situational Awareness of the Conflicting Aircraft and Action			
7	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
8	Human Factors	• Monitoring of Other Aircraft	Pilot did not sufficiently integrate with the other aircraft
• Electronic Warning System Operation and Compliance			
9	Technical	• ACAS/TCAS System Failure	CWS did not alert as expected
• See and Avoid			
10		• Any other event	Late avoiding action
11	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
12	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

2020019			
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
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
6	Human Factors	• Aircraft Navigation	Flew through promulgated and active airspace
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	Contextual	• ACAS/TCAS TA	
	• See and Avoid		
10	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

	2020020		
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
2	Human Factors	• Conflict Resolution - Provided Late	
3	Human Factors	• ATM Personnel Hear back	
4	Human Factors	• Loss of Separation	Standard separation was not achieved
	• Electronic Warning System Operation and Compliance		
5	Technical	• STCA Warning	
	Flight Elements		
	• Tactical Planning and Execution		
6	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
7	Human Factors	• Operation with Incorrect Altimeter Setting	
8	Human Factors	• Flight Level/Altitude Deviation (Level Bust)	
	• Situational Awareness of the Conflicting Aircraft and Action		
9	Human Factors	• Flight Crew - Readback	
	• Electronic Warning System Operation and Compliance		
10	Contextual	• ACAS/TCAS TA	

	2020022		
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	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

	2020026		
CF	Factor	Description	Amplification
	Ground Elements		
	• Regulations, Processes, Procedures and Compliance		
1		• Any other event	Unable to assess
	• Situational Awareness and Action		
2	Human Factors	• Conflict Detection - Not Detected	
3	Human Factors	• Conflict Resolution – Not provided	
4	Human Factors	• Separation Provision	The ANS instructions contributed to the Airprox
	Flight Elements		
	• Tactical Planning and Execution		
5	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
	• Electronic Warning System Operation and Compliance		
6	Contextual	• ACAS/TCAS TA	
	• See and Avoid		

7	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
8	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2020031			
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	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft