

Assessment Summary Sheet for UKAB Meeting on Wednesday 16th September 2020

Total	A	B	C	D	E
14	0	2	7	0	5

Airprox	Aircraft 1 (Type)	Aircraft 2 (Type)	Airspace (Class)	ICAO Risk
2020037	Hawk (HQ Air Trg)	Texan (HQ Air Trg)	London FIR (G)	B
2020040	Voyager (HQ Air Ops)	Unknown Glider (Civ Gld)	London FIR (G)	C
2020047	Avenger (RN)	Discus (Civ Gld)	London FIR (G)	E
2020048	RV10 (Civ FW)	Paramotor (Civ Hang)	London FIR (G)	C
2020050	Fuji FA-200 (Civ FW)	Untraced Light Aircraft (Unknown)	London FIR (G)	C
2020051	DR400/Arcus T (Civ FW)	R44 (Civ Comm)	London FIR (G)	E
2020052	PA28 (Civ FW)	Osprey (Foreign Mil)	London FIR (G)	E
2020054	Astir (Civ Gld)	C182 (Civ FW)	London FIR (G)	E
2020055	Juno (HQ Air Trg)	C172 (Civ FW)	London FIR (G)	C
2020056	DJI Phantom UAS (Civ UAS)	AS355 (Civ Comm)	London FIR (G)	C
2020057	FR20 (Civ Comm)	Hunter (Civ Comm)	London FIR (G)	E
2020058	A320 (CAT)	P68 (Civ Comm)	London CTR (D)	C
2020059	DA40 (Civ FW)	P51 (Civ FW)	London FIR (G)	C
2020060	Bell 412EP (Civ Comm)	Untraced Light Aircraft (Unknown)	London FIR (G)	B

2020037	Factor	Description	Amplification
Ground Elements			
• Regulations, Processes, Procedures and Compliance			
1	Organisational	• ATM Information Provision	Inadequate regulations or procedures
• Manning and Equipment			
2	Organisational	• ATM Staffing and Scheduling	Sub-Optimal establishment or scheduling of staff
3	Technical	• Aerodrome and ATM Equipment	Non-functional or unavailable equipment
• Situational Awareness and Action			
4	Human Factors	• Conflict Detection - Not Detected	
5	Human Factors	• Conflict Resolution – Not provided	
6	Human Factors	• Distraction - Job Related	Controller engaged in other tasks
Flight Elements			
• 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	• Understanding/Comprehension	Pilot did not assimilate conflict information
• Electronic Warning System Operation and Compliance			
9	Contextual	• ACAS/TCAS TA	
10	Human Factors	• Interpretation of Automation or Flight Deck Information	CWS misinterpreted or not optimally actioned
• See and Avoid			

11	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other
12	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle

	2020040		
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		
	• 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

	2020047		
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		
	• 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

	2020048		
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
	• 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

	2020050		
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		
	• Situational Awareness of the Conflicting Aircraft and Action		
2	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, 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

	2020051		
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
	• Electronic Warning System Operation and Compliance		
2	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
3	Technical	• ACAS/TCAS System Failure	CWS did not alert as expected
	• See and Avoid		
4	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

	2020052		
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		
	• Situational Awareness of the Conflicting Aircraft and Action		
2	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
	• Electronic Warning System Operation and Compliance		
3	Contextual	• ACAS/TCAS TA	
	• See and Avoid		
4	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

	2020054		
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	• Accuracy of Communication	Ineffective communication of intentions
	• 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	Late-sighting by one or both pilots
6	Human Factors	• Lack of Individual Risk Perception	Pilot flew close enough to cause concern

	2020055		
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	Not required to monitor the aircraft under the agreed service
3	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			
4	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
• Electronic Warning System Operation and Compliance			
5		• Any other event	Target aircraft transponder in standby during code change
6	Contextual	• Other warning system operation	Warning from a system other than TCAS or TAS
• See and Avoid			
7	Human Factors	• Distraction - Job Related	Pilot looking elsewhere
8	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots
9	Human Factors	• Perception of Visual Information	Pilot perceived there was no conflict

2020056			
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			
• Tactical Planning and Execution			
3	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
• Situational Awareness of the Conflicting Aircraft and Action			
4	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
5	Human Factors	• Lack of Communication	Pilot did not request additional information
• See and Avoid			
6	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
7	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2020057			
CF	Factor	Description	Amplification
Flight Elements			
• Electronic Warning System Operation and Compliance			
1	Contextual	• ACAS/TCAS RA	
• See and Avoid			
2	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2020058			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Human Factors	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late
Flight Elements			
• Situational Awareness of the Conflicting Aircraft and Action			
2	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
3	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
4	Human Factors	• Distraction - Job Related	Pilot engaged in other tasks
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	Human Factors	• Interpretation of Automation or Flight Deck Information	CWS sighting report
• See and Avoid			
7	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2020059			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Contextual	• Air/ Ground Radio Transmission Blocked/ Garbled	
Flight Elements			
• Regulations, Processes, Procedures and Compliance			
2	Human Factors	• Flight Operations Documentation and Publications	Regulations and/or procedures not fully complied with
• Tactical Planning and Execution			
3	Human Factors	• Communications by Flight Crew with ANS	Appropriate ATS not requested by pilot
• Situational Awareness of the Conflicting Aircraft and Action			
4	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
• 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

2020060			
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			
• Situational Awareness of the Conflicting Aircraft and Action			
2	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
• Electronic Warning System Operation and Compliance			
3	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
• See and Avoid			
4	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other
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