

## Assessment Summary Sheet for UKAB Meeting on Wednesday 14<sup>th</sup> October 2020

Total	A	B	C	D	E
16	0	5	7	0	4

Airprox	Aircraft 1 (Type)	Aircraft 2 (Type)	Airspace (Class)	ICAO Risk
2020053	BE200 (Coast Guard)	Extra (Civ FW)	London FIR (G)	E
2020061	Wildcat (RN)	Slingsby Firefly (Civ FW)	London FIR (G)	E
2020062	ASK21 (Civ Gld)	DH104 Dove (Civ FW)	London FIR (G)	B
2020063	Wildcat (RN)	Unknown Light Aircraft (Unknown)	London FIR (G)	E
2020064	Beagle A61 Terrier (Civ FW)	Socata TB10 (Civ FW)	London FIR (G)	B
2020066	Grob 109 (Civ Gld)	Eurostar (Civ FW)	London FIR (G)	B
2020067	Grob 115 (Civ FW)	Untraced biplane (Unknown)	Leicester ATZ (G)	C
2020068	Shadow (HQ Air Ops)	Typhoon (MoD ATEC)	London FIR (G)	C
2020069	Typhoon (HQ Air Ops)	C182 (Civ FW)	London FIR (G)	B
2020070	Grob G102 (Civ Gld)	C42 (Civ FW)	London FIR (G)	B
2020074	Christen Eagle (Civ FW)	Tutor (HQ Air Trg)	London FIR (G)	C
2020076	Arcus T (Civ Gld)	DA40 (Civ FW)	London FIR (G)	C
2020077	Cabri (Civ Helo)	PA28 (Civ FW)	Leicester ATZ (G)	C
2020078	AW169 (HEMS)	Miles Gemini (Civ FW)	London FIR (G)	C
2020080	ASK21 (Civ Gld)	Yak (Civ FW)	London FIR (G)	C
2020081	EC145 (NPAS)	EC135 (NPAS)	London FIR (G)	E

2020053			
CF	Factor	Description	Amplification
<b>Flight Elements</b>			
<b>• Situational Awareness of the Conflicting Aircraft and Action</b>			
1	Human Factors	• Lack of Action	Pilot flew close enough to cause concern despite Situational Awareness
<b>• See and Avoid</b>			
2	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
3	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2020061			
CF	Factor	Description	Amplification
<b>Ground Elements</b>			
<b>• Manning and Equipment</b>			
1	Human Factors	• Mentoring	
<b>• Situational Awareness and Action</b>			
2	Human Factors	• Conflict Detection - Not Detected	
3	Human Factors	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late

4	Human Factors	• Separation Provision	The ANS instructions contributed to the Airprox
<b>Flight Elements</b>			
<b>• Tactical Planning and Execution</b>			
5	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
<b>• Situational Awareness of the Conflicting Aircraft and Action</b>			
6	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
<b>• See and Avoid</b>			
7	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
8	Human Factors	• Lack of Action	Pilot flew close enough to cause concern

<b>2020062</b>			
CF	<b>Factor</b>	<b>Description</b>	<b>Amplification</b>
<b>Flight Elements</b>			
<b>• Tactical Planning and Execution</b>			
1	Human Factors	• Flight Planning and Preparation	
<b>• Situational Awareness of the Conflicting Aircraft and Action</b>			
2	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
3	Human Factors	• Distraction - Job Related	Pilot engaged in other tasks
<b>• See and Avoid</b>			
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

<b>2020063</b>			
CF	<b>Factor</b>	<b>Description</b>	<b>Amplification</b>
<b>Ground Elements</b>			
<b>• Situational Awareness and Action</b>			
1	Contextual	• Situational Awareness and Sensory Events	The controller had only generic, late or no Situational Awareness
<b>Flight Elements</b>			
<b>• Situational Awareness of the Conflicting Aircraft and Action</b>			
2	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
<b>• Electronic Warning System Operation and Compliance</b>			
3	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
<b>• See and Avoid</b>			
4	Human Factors	• Monitoring of Other Aircraft	Sighting report

<b>2020064</b>			
CF	<b>Factor</b>	<b>Description</b>	<b>Amplification</b>
<b>Flight Elements</b>			
<b>• Situational Awareness of the Conflicting Aircraft and Action</b>			
1	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
<b>• Electronic Warning System Operation and Compliance</b>			
2	Technical	• ACAS/TCAS System Failure	CWS did not alert as expected
<b>• See and Avoid</b>			
3	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other
4	Human Factors	• Distraction - Job Related	Pilot looking elsewhere
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

2020066			
CF	Factor	Description	Amplification
<b>Flight Elements</b>			
<b>• Situational Awareness of the Conflicting Aircraft and Action</b>			
1	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
<b>• Electronic Warning System Operation and Compliance</b>			
2	Contextual	• Other warning system operation	Warning from a system other than TCAS
<b>• See and Avoid</b>			
3	Human Factors	• Distraction - Job Related	Pilot looking elsewhere
4	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
5	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2020067			
CF	Factor	Description	Amplification
<b>Flight Elements</b>			
<b>• Regulations, Processes, Procedures and Compliance</b>			
1	Human Factors	• Flight Operations Documentation and Publications	Regulations and/or procedures not complied with
<b>• Tactical Planning and Execution</b>			
2	Human Factors	• Flight Planning and Preparation	
3	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
4	Human Factors	• Aircraft Navigation	Flew through promulgated and active airspace
5	Human Factors	• Monitoring of Other Aircraft	Did not avoid/conform with the pattern of traffic already formed
6	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
<b>• Situational Awareness of the Conflicting Aircraft and Action</b>			
7	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
<b>• See and Avoid</b>			
8	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2020068			
CF	Factor	Description	Amplification
<b>Ground Elements</b>			
<b>• Manning and Equipment</b>			
1	Organisational	• ATM Staffing and Scheduling	Sub-Optimal establishment or scheduling of staff
<b>Flight Elements</b>			
<b>• Situational Awareness of the Conflicting Aircraft and Action</b>			
2	Human Factors	• Lack of Action	Pilot flew close enough to cause concern despite Situational Awareness
3	Human Factors	• Situational Awareness and Sensory Events	Pilot was concerned by the proximity of the other aircraft
<b>• Electronic Warning System Operation and Compliance</b>			
4	Contextual	• ACAS/TCAS RA	
<b>• See and Avoid</b>			
5	Human Factors	• Perception of Visual Information	Pilot perceived there was no conflict
6	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft
7	Human Factors	• Lack of Individual Risk Perception	Pilot flew close enough to cause concern

	2020069		
CF	Factor	Description	Amplification
	<b>Ground Elements</b>		
	• Regulations, Processes, Procedures and Compliance		
1	Organisational	• ATM Information Provision	Inadequate regulations or procedures
	• Situational Awareness and Action		
2	Human Factors	• Conflict Detection - Detected Late	
3	Human Factors	• Inappropriate Clearance	The ANS clearance contributed to the Airprox
4	Human Factors	• ATM Coordination	
	<b>Flight Elements</b>		
	• Regulations, Processes, Procedures and Compliance		
5	Human Factors	• Flight Operations Documentation and Publications	Regulations and/or procedures not complied with
	• Tactical Planning and Execution		
6	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
	• 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	Contextual	• ACAS/TCAS TA	
	• See and Avoid		
9	Human Factors	• Distraction - Job Related	Pilot looking elsewhere
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
12	Human Factors	• Perception of Visual Information	Pilot perceived there was no conflict

	2020070		
CF	Factor	Description	Amplification
	<b>Flight Elements</b>		
	• 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	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
4	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

	2020074		
CF	Factor	Description	Amplification
	<b>Ground Elements</b>		
	• 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
	<b>Flight Elements</b>		
	• 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
5	Human Factors	• Lack of Action	Pilot flew into conflict despite Situational Awareness

	<b>• Electronic Warning System Operation and Compliance</b>		
6	Contextual	• Other warning system operation	Warning from a system other than TCAS
	<b>• See and Avoid</b>		
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	• Lack of Individual Risk Perception	Pilot flew close enough to cause concern

	<b>2020076</b>		
CF	<b>Factor</b>	<b>Description</b>	<b>Amplification</b>
	<b>Ground Elements</b>		
	<b>• Situational Awareness and Action</b>		
1	Contextual	• ANS Flight Information Provision	Not required to monitor the aircraft under the agreed service
	<b>Flight Elements</b>		
	<b>• Situational Awareness of the Conflicting Aircraft and Action</b>		
2	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
	<b>• See and Avoid</b>		
3	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
4	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

	<b>2020077</b>		
CF	<b>Factor</b>	<b>Description</b>	<b>Amplification</b>
	<b>Flight Elements</b>		
	<b>• Situational Awareness of the Conflicting Aircraft and Action</b>		
1	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
2	Human Factors	• Distraction - Job Related	Pilot engaged in other tasks
	<b>• See and Avoid</b>		
3	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
4	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

	<b>2020078</b>		
CF	<b>Factor</b>	<b>Description</b>	<b>Amplification</b>
	<b>Ground Elements</b>		
	<b>• Situational Awareness and Action</b>		
1	Contextual	• ANS Flight Information Provision	Not required to monitor the aircraft under the agreed service
	<b>Flight Elements</b>		
	<b>• Tactical Planning and Execution</b>		
2	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
3	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
	<b>• Situational Awareness of the Conflicting Aircraft and Action</b>		
4	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
	<b>• Electronic Warning System Operation and Compliance</b>		
5	Contextual	• ACAS/TCAS RA	
	<b>• See and Avoid</b>		
6	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

	<b>2020080</b>		
CF	<b>Factor</b>	<b>Description</b>	<b>Amplification</b>
	<b>Ground Elements</b>		

	<b>• Situational Awareness and Action</b>		
1	Contextual	• Situational Awareness and Sensory Events	The controller had only generic, late or no Situational Awareness
	<b>Flight Elements</b>		
	<b>• Tactical Planning and Execution</b>		
2	Human Factors	• Flight Planning and Preparation	
3	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
4	Human Factors	• Aircraft Navigation	Flew through promulgated and active airspace
5	Human Factors	• Monitoring of Other Aircraft	Did not avoid/conform with the pattern of traffic already formed
6	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
	<b>• Situational Awareness of the Conflicting Aircraft and Action</b>		
7	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
8	Human Factors	• Lack of Action	Pilot flew close enough to cause concern despite Situational Awareness
	<b>• Electronic Warning System Operation and Compliance</b>		
9	Technical	• ACAS/TCAS System Failure	CWS did not alert as expected
	<b>• See and Avoid</b>		
10	Human Factors	• Lack of Individual Risk Perception	Pilot flew close enough to cause concern

	<b>2020081</b>		
CF	<b>Factor</b>	<b>Description</b>	<b>Amplification</b>
	<b>Flight Elements</b>		
	<b>• Regulations, Processes, Procedures and Compliance</b>		
1	Human Factors	• Flight Operations Documentation and Publications	Regulations and/or procedures not complied with
	<b>• Situational Awareness of the Conflicting Aircraft and Action</b>		
2	Human Factors	• Lack of Action	Pilot flew close enough to cause concern despite Situational Awareness
3	Human Factors	• Situational Awareness and Sensory Events	Pilot was concerned by the proximity of the other aircraft
	<b>• Electronic Warning System Operation and Compliance</b>		
4	Contextual	• ACAS/TCAS TA	
	<b>• See and Avoid</b>		
5		• Any other event	Perception of conflicting flightpath at night
6	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots
7	Human Factors	• Perception of Visual Information	Pilot perceived there was no conflict