

## Assessment Summary Sheet for UKAB Meeting on Wednesday 24<sup>th</sup> March 2021

Total	A	B	C	D	E
9	1	1	6	0	1

Airprox	Aircraft 1 (Type)	Aircraft 2 (Type)	Airspace (Class)	ICAO Risk
2020146	AW169 (HEMS)	PA28 (Civ FW)	London FIR (G)	A
2020147	ASK21 (Civ Gld)	PA28 (Civ FW)	Middle Wallop ATZ (G)	C
2020162	Voyager (HQ Air Ops)	Typhoon (2) (HQ Air Ops)	London FIR (G)	C
2020163	S92 (Civ Comm)	EC175 (Civ Comm)	Aberdeen CTR (D)	E
2020164	EV97 Eurostar (Civ FW)	A-22 Foxbat (Civ FW)	Scottish FIR (G)	C
2020165	Wildcat (RN)	Merlin (HQ JHC)	Merryfield ATZ (G)	C
2020166	DA42(A) (Civ FW)	Jupiter (Civ Comm)	London FIR (G)	B
2020167	RV9 (Civ FW)	Phenom (HQ Air Trg)	London FIR (G)	C
	Recommendation: The CAA conducts a review to establish the reasons behind why many training airfields chose not to maintain their ATZ when the requirement to hold an aerodrome licence to conduct training activity was removed. Where those reasons fall within the competency of the CAA – take appropriate action to mitigate against any increase in risk associated with the removal of the protection previously afforded to them (by an ATZ).			
2020168	Nova Mentor 4 (Civ Hang)	Jodel D117 (Civ FW)	London FIR (G)	C

2020146			
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	The pilot had generic, late or no 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	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

2020147			
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 fully complied with
<b>• Tactical Planning and Execution</b>			
2	Human Factors	• Flight Planning and Preparation	
3	Human Factors	• Aircraft Navigation	Flew through promulgated and active airspace
4	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate ATS provider
<b>• Situational Awareness of the Conflicting Aircraft and Action</b>			

5	Contextual	• Situational Awareness and Sensory Events	The pilot had generic, late or no Situational Awareness
• See and Avoid			
6	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

2020162			
CF	Factor	Description	Amplification
Flight Elements			
• 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	• Action Performed Incorrectly	Incorrect or ineffective execution
3	Human Factors	• Flight Level/Altitude Deviation (Level Bust)	
• Electronic Warning System Operation and Compliance			
4	Contextual	• ACAS/TCAS RA	

2020163			
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	• Accuracy of Communication	Ineffective communication of intentions

2020164			
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	• Situational Awareness and Sensory Events	The controller had generic, late or no Situational Awareness
3	Human Factors	• Conflict Detection - Detected Late	
Flight Elements			
• Tactical Planning and Execution			
4	Human Factors	• Late Decision/Plan	
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	The pilot had generic, late or no Situational Awareness
• 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

2020165			
CF	Factor	Description	Amplification
Ground Elements			
• 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	
3	Human Factors	• Distraction - Job Related	Controller engaged in other tasks
Flight Elements			
• Regulations, Processes, Procedures and Compliance			

4	Organisational	• Flight Operations Documentation and Publications	Inadequate regulations or procedures
5	Human Factors	• Flight Crew ATM Procedure Deviation	
<b>• Tactical Planning and Execution</b>			
6	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
7	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
<b>• Situational Awareness of the Conflicting Aircraft and Action</b>			
8	Contextual	• Situational Awareness and Sensory Events	The pilot had generic, late or no Situational Awareness
9	Human Factors	• Lack of Action	Pilot flew close enough to cause concern despite Situational Awareness
10	Human Factors	• Monitoring of Other Aircraft	Pilot did not sufficiently integrate with the other aircraft
<b>• Electronic Warning System Operation and Compliance</b>			
11	Contextual	• Other warning system operation	Warning from a system other than TCAS

2020166			
CF	Factor	Description	Amplification
<b>Ground Elements</b>			
x	<b>• Regulations, Processes, Procedures and Compliance</b>		
1	Human Factors	• ATM Regulatory Deviation	Regulations and/or procedures not fully complied with
x	<b>• Situational Awareness and Action</b>		
2	Human Factors	• Conflict Detection - Not Detected	
3	Human Factors	• Conflict Resolution – Not provided	
4	Human Factors	• Inappropriate Clearance	The ANS clearance contributed to the Airprox
5	Human Factors	• Distraction - Job Related	Controller engaged in other tasks
6	Contextual	• Loss of Separation	Standard separation was not achieved
<b>Flight Elements</b>			
x	<b>• Situational Awareness of the Conflicting Aircraft and Action</b>		
7	Contextual	• Situational Awareness and Sensory Events	The pilot had generic, late or no Situational Awareness
x	<b>• Electronic Warning System Operation and Compliance</b>		
8	Contextual	• ACAS/TCAS TA	
9	Contextual	• Other warning system operation	Warning from a system other than TCAS
x	<b>• See and Avoid</b>		
10	Contextual	• Poor Visibility Encounter	One or both aircraft were obscured from the other
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
13	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2020167			
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 fully complied with
<b>• Tactical Planning and Execution</b>			
2	Human Factors	• Pre-flight briefing and flight preparation	
3	Human Factors	• Flight Planning and Preparation	
4	Human Factors	• Monitoring of Other Aircraft	Did not avoid/conform with the pattern of traffic already formed
5	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate ATS provider
<b>• Situational Awareness of the Conflicting Aircraft and Action</b>			
6	Contextual	• Situational Awareness and Sensory Events	The pilot had generic, late or no Situational Awareness
<b>• Electronic Warning System Operation and Compliance</b>			
7	Contextual	• ACAS/TCAS TA	

	<b>• See and Avoid</b>		
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>2020168</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	The pilot had generic, late or no Situational Awareness
	<b>• Electronic Warning System Operation and Compliance</b>		
2	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
	<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