

## Assessment Summary Sheet for UKAB Meeting on Wednesday 20<sup>th</sup> May 2020

Total	A	B	C	D	E
10	0	2	6	1	1

Airprox	Aircraft 1 (Type)	Aircraft 2 (Type)	Airspace (Class)	ICAO Risk
2019326	Emeraude (Civ FW)	C172 (Civ FW)	London FIR (G)	C
2019328	Chinook (HQ JHC)	Cirrus SR20 (Civ FW)	London FIR (G)	C
2019329	Typhoon(A) (HQ Air (Ops))	Typhoon(B) (HQ Air (Ops))	AARA 4 (C)	C
2019330	DA40(A) (Civ FW)	DA40(B) (Civ FW)	Bournemouth CTR (D)	C
2019333	Voyager (HQ Air (Ops))	Typhoon (HQ Air (Ops))	EG D323A (Danger Area)	E
2019335	TB20 (Civ FW)	C152 (Civ FW)	London FIR (G)	B
2020001	TB20 (Civ FW)	Light Aircraft (Unknown)	London FIR (G)	B
2020002	DA42 (Civ FW)	PA28 (Civ FW)	Oxford ATZ (G)	C
2020003	Chipmunk (Civ FW)	Helicopter (Unknown)	London FIR (G)	D
2020006	Cessna 421 (Civ Comm)	PA28 (Civ FW)	London FIR (G)	C

2019326			
CF	Factor	Description	Amplification
<b>Flight Elements</b>			
<b>• Tactical Planning and Execution</b>			
1	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
<b>• Situational Awareness of the Conflicting Aircraft and Action</b>			
2	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
3	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
<b>• See and Avoid</b>			
4	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
5	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2019328			
CF	Factor	Description	Amplification
<b>Ground Elements</b>			
<b>• Regulations, Processes, Procedures and Compliance</b>			
1	Human Factors	• ATM Regulatory Deviation	Regulations and/or procedures not complied with
<b>• Manning and Equipment</b>			
2	Organisational	• Aerodrome and ATM Equipment	Inadequate or unavailable equipment
<b>• Situational Awareness and Action</b>			
3	Human Factors	• Conflict Resolution- Inadequate	

4	Human Factors	• Inappropriate Clearance	Controller instructions contributed to the conflict
5	Human Factors	• Traffic Management Information Provision	Not provided, inaccurate, inadequate, or late
<b>Flight Elements</b>			
<b>• Situational Awareness of the Conflicting Aircraft and Action</b>			
6	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
7	Human Factors	• Interpretation of Automation or Flight Deck Information	Pilot was concerned by the proximity of the other aircraft
<b>• Electronic Warning System Operation and Compliance</b>			
8	Contextual	• ACAS/TCAS TA	TCAS TA / CWS indication
<b>• See and Avoid</b>			
9	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots
10	Human Factors	• Perception of Visual Information	Pilot perceived there was no conflict

<b>2019329</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	Generic, late, no or incorrect Situational Awareness
2	Human Factors	• Conflict Detection - Not Detected	
<b>Flight Elements</b>			
<b>• Regulations, Processes, Procedures and Compliance</b>			
3	Human Factors	• Flight Crew ATM Procedure Deviation	Regulations/procedures not complied with
<b>• Tactical Planning and Execution</b>			
4	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
5	Human Factors	• Transponder Selection and Usage	
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	Generic, late, no or incorrect Situational Awareness
8	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
<b>• See and Avoid</b>			
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 was concerned by the proximity of the other aircraft

<b>2019330</b>			
CF	<b>Factor</b>	<b>Description</b>	<b>Amplification</b>
<b>Ground Elements</b>			
<b>• Manning and Equipment</b>			
1	Organisational	• ATM Staffing and Scheduling	Sub-Optimal establishment or scheduling of staff
<b>• Situational Awareness and Action</b>			
2	Human Factors	• Traffic Management Information Provision	Not provided, inaccurate, inadequate, or late
3	Human Factors	• Distraction - Job Related	
<b>Flight Elements</b>			

	<b>• Regulations, Processes, Procedures and Compliance</b>		
4	Human Factors	• Flight Crew ATM Procedure Deviation	Regulations/procedures not complied with
	<b>• Tactical Planning and Execution</b>		
5	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
6	Human Factors	• Aircraft Navigation	Did not avoid/conform with the pattern of traffic already formed
	<b>• Situational Awareness of the Conflicting Aircraft and Action</b>		
7	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
8	Human Factors	• Lack of Communication	Pilot did not request additional information
9	Human Factors	• Monitoring of Other Aircraft	Pilot did not sufficiently integrate with the other aircraft
	<b>• Electronic Warning System Operation and Compliance</b>		
10	Contextual	• ACAS/TCAS TA	TCAS TA / CWS indication
	<b>• See and Avoid</b>		
11	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

	<b>2019333</b>		
CF	<b>Factor</b>	<b>Description</b>	<b>Amplification</b>
	<b>Flight Elements</b>		
	<b>• See and Avoid</b>		
1		• Any other event	<b>Visual illusion at night</b>
2	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

	<b>2019335</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	Not required to monitor the aircraft under the agreed service
	<b>Flight Elements</b>		
	<b>• Tactical Planning and Execution</b>		
2	Human Factors	• Communications by Flight Crew with ANS	Apt ATS not requested by pilot
3	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate service provider
	<b>• Situational Awareness of the Conflicting Aircraft and Action</b>		
4	Contextual	• Situational Awareness and Sensory Events	Generic, late, no or incorrect Situational Awareness
5	Human Factors	• Distraction - Job Related	Pilot was engaged in other tasks
	<b>• Electronic Warning System Operation and Compliance</b>		
6	Technical	• ACAS/TCAS System Failure	Incompatible CWS equipment
	<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	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

	<b>2020001</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	Incompatible CWS equipment
• See and Avoid			
3	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2020002			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Human Factors	• Conflict Resolution- Inadequate	
2	Human Factors	• Inappropriate Clearance	The ANS clearance contributed to the Airprox
Flight Elements			
• Tactical Planning and Execution			
3	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
• Situational Awareness of the Conflicting Aircraft and Action			
4	Human Factors	• Lack of Action	Pilot flew close enough to cause concern despite Situational Awareness
5	Human Factors	• Situational Awareness and Sensory Events	Pilot was concerned by the proximity of the other aircraft
• Electronic Warning System Operation and Compliance			
6	Contextual	• ACAS/TCAS TA	
• See and Avoid			
7	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft
8	Human Factors	• Lack of Individual Risk Perception	Pilot flew close enough to cause concern

2020003			
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	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots
5	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2020006			
CF	Factor	Description	Amplification
Ground Elements			
• Situational Awareness and Action			
1	Human Factors	• Conflict Detection - Not Detected	
2	Human Factors	• Conflict Resolution – Not provided	
3	Human Factors	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late
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
• See and Avoid			
5	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots