

Assessment Summary Sheet for UKAB Meeting on Wednesday 11th November 2020

Total	A	B	C	D	E
15	1	4	7	0	3

Airprox	Aircraft 1 (Type)	Aircraft 2 (Type)	Airspace (Class)	ICAO Risk
2020082	LS6 (Civ Gld)	PA34 (Civ FW)	London FIR (G)	A
2020083	EC135 (Civ FW)	LS4 (Civ Gld)	London FIR (G)	C
	Recommendation: The CAA includes Glider Site ICFs, as supplied by the BGA, in the UK AIP ENR 5.5.			
2020084	C680 (Civ Comm)	PA46 (Civ FW)	London TMA (A) London FIR (G)	E
2020085	C42 (Civ FW)	C42 (Civ FW)	Gloucestershire ATZ (G)	B
2020086	AW169 (HEMS)	DR107 (Civ FW)	London FIR (G)	C
	Recommendation: The CAA reviews the Southend ATC Safety Case activity to ensure that it includes robust mitigations for the known incompatibility between the SSR processor and Garrecht-type transponders.			
2020087	Tutor (HQ Air Trg)	F15 (Foreign Mil)	London FIR (G)	C
2020088	Atlas (MoD ATEC)	Unknown Aircraft (Unknown)	London FIR (G)	C
2020089	ASG29 (Civ Gld)	PC12 (Civ Comm)	London FIR (G)	C
2020090	Astir (Civ Gld)	Beech C23 (Civ FW)	London FIR (G)	C
2020091	Cabri G2 (Civ Helo)	PA28 (Civ FW)	Kemble ATZ	E
2020092	BE200 (Civ Comm)	Duo Discus (Civ Gld)	London FIR (G)	E
2020093	Skyranger (Civ FW)	PA28 (Civ FW)	Scottish FIR (G)	C
2020094	C152 (Civ FW)	C182 (Civ FW)	Coventry ATZ	B
2020095	Juno (HQ Air Trg)	Be55 (Civ FW)	London FIR (G)	B
2020096	2x F15 (Foreign Mil)	2x Unknown Aircraft (Civ Gld)	London FIR (G)	B

2020082			
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			
• Tactical Planning and Execution			
2	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
3	Human Factors	• Accuracy of Communication	Ineffective communication of intentions
4	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate ATS provider

	• Situational Awareness of the Conflicting Aircraft and Action		
5	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
	• See and Avoid		
6	Human Factors	• Distraction - Job Related	Pilot looking elsewhere
7	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
8	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

	2020083		
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 only generic, late or no Situational Awareness
	Flight Elements		
	• 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	Contextual	• Loss of Separation	A conflict in the FIR

	2020084		
CF	Factor	Description	Amplification
	Flight Elements		
	• Regulations, Processes, Procedures and Compliance		
1	Human Factors	• Flight Crew ATM Procedure Deviation	
	• Tactical Planning and Execution		
2	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
	• Situational Awareness of the Conflicting Aircraft and Action		
3	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
	• Electronic Warning System Operation and Compliance		
4	Contextual	• ACAS/TCAS RA	
5	Contextual	• Other warning system operation	Warning from a system other than TCAS
	• See and Avoid		
6	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

	2020085		
CF	Factor	Description	Amplification
	Ground Elements		
	• 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	• Conflict Resolution – Not provided	
3	Human Factors	• Inappropriate Clearance	The ANS clearance contributed to the Airprox
4	Human Factors	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late
	Flight Elements		
	• Situational Awareness of the Conflicting Aircraft and Action		
5	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
6	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information

7	Human Factors	• Monitoring of Other Aircraft	Pilot did not sufficiently integrate with the other aircraft
• See and Avoid			
8	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
9	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
10	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

2020086			
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	• Situational Awareness and Sensory Events	The controller had only generic, late or no Situational Awareness
3	Human Factors	• Conflict Detection - Not Detected	
Flight Elements			
• Electronic Warning System Operation and Compliance			
4	Contextual	• ACAS/TCAS RA	
• See and Avoid			
5	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots
6	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

2020087			
CF	Factor	Description	Amplification
Ground Elements			
• Regulations, Processes, Procedures and Compliance			
1	Human Factors	• ATM Regulatory Deviation	Regulations and/or procedures not complied with
• Manning and Equipment			
2	Organisational	• ATM Staffing and Scheduling	Sub-Optimal establishment or scheduling of staff
• Situational Awareness and Action			
3	Human Factors	• Conflict Detection - Not Detected	
4	Human Factors	• Conflict Detection - Detected Late	
5	Human Factors	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late
Flight Elements			
• Situational Awareness of the Conflicting Aircraft and Action			
6	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
• Electronic Warning System Operation and Compliance			
7	Technical	• Interpretation of Automation or Flight Deck Information	CWS alert expected but none reported
• See and Avoid			
8	Human Factors	• Distraction - Job Related	Pilot looking elsewhere
9	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

2020088			
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

2020089			
CF	Factor	Description	Amplification
Flight Elements			
• Tactical Planning and Execution			
1	Human Factors	• Flight Planning and Preparation	
• 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		• Any other event	ASG29 Transponder switched off
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

2020090			
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	• Flight Planning and Preparation	
3	Human Factors	• Aircraft Navigation	Flew through promulgated and active airspace
• 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
6	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft
7	Human Factors	• Lack of Action	Pilot flew close enough to cause concern

2020091			
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	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
• See and Avoid			
3	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
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

2020092			
CF	Factor	Description	Amplification
Ground Elements			
• Regulations, Processes, Procedures and Compliance			
1	Human Factors	• ATM Regulatory Deviation	Regulations and/or procedures not complied with
• Situational Awareness and Action			
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	Human Factors	• Perception of Visual Information	Pilot was concerned by the proximity of the other aircraft

	2020093		
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	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate ATS provider
	• Situational Awareness of the Conflicting Aircraft and Action		
3	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
	• See and Avoid		
4	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots

	2020094		
CF	Factor	Description	Amplification
	Flight Elements		
	• Regulations, Processes, Procedures and Compliance		
1	Human Factors	• Flight Operations Documentation and Publications	Regulations and/or procedures not complied with
	• Tactical Planning and Execution		
2	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
3	Human Factors	• Action Performed Incorrectly	Incorrect or ineffective execution
4	Human Factors	• Monitoring of Other Aircraft	Did not avoid/conform with the pattern of traffic already formed
	• Situational Awareness of the Conflicting Aircraft and Action		
5	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
6	Human Factors	• Understanding/Comprehension	Pilot did not assimilate conflict information
7	Human Factors	• Lack of Communication	Pilot did not request additional information
8	Human Factors	• Mentoring	
	• See and Avoid		
9	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
10	Human Factors	• Monitoring of Other Aircraft	Non-sighting or effectively a non-sighting by one or both pilots
11	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

	2020095		
CF	Factor	Description	Amplification
	Ground Elements		
	• Regulations, Processes, Procedures and Compliance		
1	Human Factors	• ATM Regulatory Deviation	Regulations and/or procedures not complied with
	• Manning and Equipment		
2	Human Factors	• Mentoring	
	• Situational Awareness and Action		
3	Human Factors	• Conflict Detection - Detected Late	
4	Human Factors	• ANS Traffic Information Provision	TI not provided, inaccurate, inadequate, or late

5	Human Factors	• Separation Provision	The ANS instructions contributed to the Airprox
6	Human Factors	• Distraction - Job Related	Controller engaged in other tasks
7	Human Factors	• ATM Coordination	
Flight Elements			
• 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
11	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots

	2020096		
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			
• Tactical Planning and Execution			
3	Human Factors	• Insufficient Decision/Plan	Inadequate plan adaption
4	Human Factors	• Communications by Flight Crew with ANS	Pilot did not communicate with appropriate ATS provider
• Situational Awareness of the Conflicting Aircraft and Action			
5	Contextual	• Situational Awareness and Sensory Events	Pilot had no, late or only generic, Situational Awareness
• See and Avoid			
6	Contextual	• Near Airborne Collision with Aircraft, Balloon, Dirigible or Other Piloted Air Vehicle	Piloted air vehicle
7	Human Factors	• Monitoring of Other Aircraft	Late-sighting by one or both pilots