

Assessment Summary Sheet for UKAB Meeting on Wednesday 28th April 2021

| Total | A | B | C | D | E |
|-------|---|---|---|---|---|
| 7 | 1 | 1 | 2 | 0 | 3 |

| Airprox | Aircraft 1 (Type) | Aircraft 2 (Type) | Airspace (Class) | ICAO Risk |
|---------|----------------------------|-----------------------|----------------------|-----------|
| 2020133 | PA18 + Glider (Civ FW) | PA46 (Civ FW) | Old Warden RA(T) (G) | B |
| 2021001 | Drone Quadcopter (Civ UAS) | A400 (HQ Air Ops) | London FIR (G) | E |
| 2021003 | Tutor(A) (HQ Air Trg) | Tutor(B) (HQ Air Trg) | Wittering MATZ (G) | A |
| 2021005 | DA42 (Civ FW) | DA40 (Civ FW) | London FIR (G) | C |
| 2021006 | S92(A) (Civ Comm) | S92(B) (Civ Comm) | Scottish FIR (G) | E |
| 2021008 | AW139 (Civ Helo) | F35 #2 (HQ Air Ops) | London FIR (G) | C |
| 2021009 | S92 (Civ Comm) | C152 (Civ FW) | Scottish FIR (G) | E |

| 2020133 | | | |
|-----------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 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 | | | |
| • Regulations, Processes, Procedures and Compliance | | | |
| 2 | Human Factors | • Flight Operations Documentation and Publications | Regulations and/or procedures not complied with |
| • Tactical Planning and Execution | | | |
| 3 | Human Factors | • Flight Planning and Preparation | |
| 4 | Human Factors | • Transponder Selection and Usage | Selected off or incorrect selection |
| 5 | Human Factors | • Airspace Infringement | |
| 6 | Human Factors | • Communications by Flight Crew with ANS | Pilot did not communicate with appropriate ATS provider |
| • 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 | Technical | • ACAS/TCAS System Failure | Incompatible CWS equipment |
| • 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 | • Lack of Action | Pilot flew into conflict |

| 2021001 | | | | |
|-----------------------------------------------------------------------|------------|--------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------|
| CF | Factor | Description | ECCAIRS Amplification | UKAB Amplification |
| Flight Elements | | | | |
| • Situational Awareness of the Conflicting Aircraft and Action | | | | |
| 1 | Contextual | • Situational Awareness and Sensory Events | Events involving a flight crew's awareness and perception of situations | Pilot had no, late or only generic, Situational Awareness |
| • Electronic Warning System Operation and Compliance | | | | |

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|---|-----------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| 2 | Technical | • ACAS/TCAS System Failure | An event involving the system which provides information to determine aircraft position and is primarily independent of ground installations | Incompatible CWS equipment |
|---|-----------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|

| 2021003 | | | | |
|-----------------------------------------------------------------------|----------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| CF | Factor | Description | ECCAIRS Amplification | UKAB Amplification |
| Ground Elements | | | | |
| • Regulations, Processes, Procedures and Compliance | | | | |
| 1 | Human Factors | • ATM Regulatory Deviation | An event involving a deviation from an Air Traffic Management Regulation. | Regulations and/or procedures not fully complied with |
| • Manning and Equipment | | | | |
| 2 | Human Factors | • ATM Leadership and Supervision | An event related to the leadership and supervision of ATM activities. | |
| 3 | Organisational | • ATM Staffing and Scheduling | An event related to the planning and scheduling of ATM personnel | |
| • Situational Awareness and Action | | | | |
| 4 | Human Factors | • ANS Traffic Information Provision | Provision of ANS traffic information | TI not provided, inaccurate, inadequate, or late |
| 5 | Human Factors | • Conflict Detection - Not Detected | An event involving Air Navigation Services conflict not being detected. | |
| 6 | Human Factors | • Conflict Resolution – Not provided | An event involving the non provision of conflict resolution | |
| 7 | Human Factors | • Task Monitoring | Events involving an individual or a crew/team not appropriately monitoring their performance of a task | Controller engaged in other tasks |
| 8 | Contextual | • Traffic Management Information Action | An event involving traffic management information actions | The ground element had only generic, late or no Situational Awareness |
| Flight Elements | | | | |
| • Regulations, Processes, Procedures and Compliance | | | | |
| 9 | Human Factors | • Flight Crew ATC Clearance Deviation | An event involving a deviation from an air traffic control clearance. | |
| • Tactical Planning and Execution | | | | |
| 10 | Human Factors | • Action Performed Incorrectly | Events involving flight crew performing the selected action incorrectly | Incorrect or ineffective execution |
| • Situational Awareness of the Conflicting Aircraft and Action | | | | |
| 11 | Human Factors | • Lack of Communication | Events involving flight crew that did not communicate enough - not enough communication | Pilot did not request additional information |
| 12 | Human Factors | • Unnecessary Action | Events involving flight crew performing an action that was not required | Pilot was concerned by the proximity of the other aircraft |
| • Electronic Warning System Operation and Compliance | | | | |
| 13 | Contextual | • Other warning system operation | An event involving a genuine warning from an airborne system other than TCAS. | |
| 14 | Human Factors | • Response to Warning System | An event involving the incorrect response of flight crew following the operation of an aircraft warning system | CWS misinterpreted, not optimally actioned or CWS alert expected but none reported |
| • See and Avoid | | | | |
| 15 | Human Factors | • Monitoring of Other Aircraft | Events involving flight crew not fully monitoring another aircraft | Non-sighting or effectively a non-sighting by one or both pilots |
| 16 | Contextual | • Visual Impairment | Events involving impairment due to an inability to see properly | One or both aircraft were obscured from the other |
| • Any other events | | | | |
| 17 | | • Any other event | Any other event not listed elsewhere within the event types list. | High controller workload contributed to the Airprox |
| • Outcome Events | | | | |
| 18 | Contextual | • Near Airborne Collision with Aircraft | An event involving a near collision by an aircraft with an aircraft, balloon, dirigible or other piloted air vehicles | |

| 2021005 | | | | |
|-----------------------------------------------------------------------|---------------|----------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| CF | Factor | Description | ECCAIRS Amplification | UKAB Amplification |
| Flight Elements | | | | |
| • Tactical Planning and Execution | | | | |
| 1 | Human Factors | • Late Decision/Plan | Events involving flight crew making a decision too late to meet the needs of the situation | |
| • Situational Awareness of the Conflicting Aircraft and Action | | | | |
| 2 | Human Factors | • Lack of Action | Events involving flight crew not taking any action at all when they should have done so | Pilot flew close enough to cause concern despite Situational Awareness |
| • Electronic Warning System Operation and Compliance | | | | |
| 3 | Contextual | • Other warning system operation | An event involving a genuine warning from an airborne system other than TCAS. | |
| • See and Avoid | | | | |
| 4 | Human Factors | • Monitoring of Other Aircraft | Events involving flight crew not fully monitoring another aircraft | Non-sighting or effectively a non-sighting by one or both pilots |
| 5 | Contextual | • Visual Impairment | Events involving impairment due to an inability to see properly | One or both aircraft were obscured from the other |

| 2021006 | | | | |
|-------------------------------------------------------------|------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| CF | Factor | Description | ECCAIRS Amplification | UKAB Amplification |
| Ground Elements | | | | |
| • Electronic Warning System Operation and Compliance | | | | |
| 1 | Technical | • STCA Warning | An event involving the triggering of a Short Term Conflict Alert (STCA) Warning | |
| Flight Elements | | | | |
| • Electronic Warning System Operation and Compliance | | | | |
| 2 | Contextual | • ACAS/TCAS TA | An event involving a genuine airborne collision avoidance system/traffic alert and collision avoidance system traffic advisory warning triggered | |
| • See and Avoid | | | | |
| 3 | Contextual | • Visual Impairment | Events involving impairment due to an inability to see properly | One or both aircraft were obscured from the other |

| 2021008 | | | | |
|-----------------------------------------------------------------------|---------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| CF | Factor | Description | ECCAIRS Amplification | UKAB Amplification |
| Ground Elements | | | | |
| • Manning and Equipment | | | | |
| 1 | Human Factors | • ATM Leadership and Supervision | An event related to the leadership and supervision of ATM activities. | |
| 2 | Technical | • Radar Coverage | Radar Coverage | Non-functional or unavailable |
| • Situational Awareness and Action | | | | |
| 3 | Human Factors | • ANS Traffic Information Provision | Provision of ANS traffic information | TI not provided, inaccurate, inadequate, or late |
| 4 | Human Factors | • Conflict Detection - Not Detected | An event involving Air Navigation Services conflict not being detected. | |
| 5 | Human Factors | • Task Monitoring | Events involving an individual or a crew/team not appropriately monitoring their performance of a task | Controller engaged in other tasks |
| 6 | Contextual | • Traffic Management Information Action | An event involving traffic management information actions | The ground element had only generic, late or no Situational Awareness |
| • Electronic Warning System Operation and Compliance | | | | |
| 7 | Technical | • STCA Warning | An event involving the triggering of a Short Term Conflict Alert (STCA) Warning | |
| Flight Elements | | | | |
| • Situational Awareness of the Conflicting Aircraft and Action | | | | |

| | | | | |
|-------------------------------------------------------------|---------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| 8 | Contextual | • Situational Awareness and Sensory Events | Events involving a flight crew's awareness and perception of situations | Pilot had no, late or only generic, Situational Awareness |
| • Electronic Warning System Operation and Compliance | | | | |
| 9 | Contextual | • ACAS/TCAS TA | An event involving a genuine airborne collision avoidance system/traffic alert and collision avoidance system traffic advisory warning triggered | |
| • See and Avoid | | | | |
| 10 | Human Factors | • Identification/Recognition | Events involving flight crew not fully identifying or recognising the reality of a situation | Late sighting by one or both pilots |

| 2021009 | | | | |
|-----------------------------------------------------------------------|---------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| CF | Factor | Description | ECCAIRS Amplification | UKAB Amplification |
| Ground Elements | | | | |
| • Situational Awareness and Action | | | | |
| 1 | Contextual | • ANS Flight Information Provision | Provision of ANS flight information | The ATCO/FISO was not required to monitor the flight under a Basic Service |
| 2 | Contextual | • Traffic Management Information Action | An event involving traffic management information actions | The ground element 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 | Events involving a flight crew's awareness and perception of situations | Pilot had no, late or only generic, Situational Awareness |
| • Electronic Warning System Operation and Compliance | | | | |
| 4 | Contextual | • ACAS/TCAS TA | An event involving a genuine airborne collision avoidance system/traffic alert and collision avoidance system traffic advisory warning triggered | |
| • See and Avoid | | | | |
| 5 | Human Factors | • Monitoring of Other Aircraft | Events involving flight crew not fully monitoring another aircraft | Non-sighting or effectively a non-sighting by one or both pilots |