ASRS Coding Form

TIME	
Date	Q1
yyyymm_____	
Local Time of Day	Q1
0001 - 0600 0601 - 1200 1201 - 1800 1801 - 2400	

PLACE	
Locale Reference	Q1
Airport (ID) _____ NAVAID (ID & Type)_____ Intersection (ID) _____ ATC Facility (ID & Type)_____	
State Reference	Q1
State_____	
Relative Position	Q1
Radial _____ Distance.Nautical Miles_____	
Altitude	Q1
AGL.Single Value_____ MSL.Single Value_____	

ENVIRONMENT

Flight Conditions	Q1
VMC	
IMC	
Mixed	
Marginal	

Weather Elements / Visibility	
Cloudy	
Fog	
Hail	
Haze / Smoke	
Icing	
Rain	
Snow	
Thunderstorm	
Turbulence	
Windshear	
Other_____	
Visibility (SM)	

Work Environment Factors	
Poor Lighting	
Glare	
Temperature - Extreme	
Excessive Humidity	
Excessive Wind (UAS)	

Light	Q1
Dawn	
Daylight	
Dusk	
Night	

Ceiling	Q1
CLR	
Single Value_____	

RVR	
Single Value_____	

AIRCRAFT

Aircraft Letter Reference — Q1

- X
- Y
- Z
- A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W

ATC/Advisory — Q

- FSS
- Center_____
- CTAF
- Ground _____
- Military Facility_____
- Ramp_____
- Tower _____
- TRACON _____
- UNICOM _____

Aircraft Operator — Q1

- Air Carrier
- Air Taxi
- Commercial Operator (UAS)
- Corporate
- Fractional
- FBO
- Government
- Military
- Personal
- Recreational / Hobbyist (UAS)
- Other _____

Flight Plan — Q1

- VFR
- IFR
- SVFR
- DVFR
- None

Make Model — Q1

- Name_____

Operating Under FAR Part — Q1

- Part 91
- Part 103
- Part 107
- Part 119
- Part 121
- Part 125
- Part 129
- Part 133
- Part 135
- Part 137
- Public Aircraft Operations (UAS)
- Recreational Operations / Section 44809 (UAS)
- Other _____

Aircraft Zone

- Aircraft Zone_____

Crew Size — Q1

- Number of Crew_____

AIRCRAFT

Mission	Q1
Aerobatics	
Agriculture	
Ambulance	
Banner Tow	
Cargo / Freight / Delivery	
Communications (UAS)	
Ferry / Re-Positioning	
Observation / Surveillance (UAS)	
Passenger	
Photo Shoot / Video	
Personal	
Public Safety / Pursuit (UAS)	
Recreational / Hobbyist (UAS)	
Refueling	
Search & Rescue	
Skydiving	
Surveying / Mapping (UAS)	
Tactical	
Test Flight / Demonstration	
Traffic Watch	
Training	
Utility / Infrastructure	
Other _____	

Flight Phase	
Taxi	
Parked	
Ground / Preflight (UAS)	
Takeoff / Launch	
Initial Climb	
Climb	
Cruise	
Hovering (UAS)	
Return to Home (UAS)	
Descent	
Initial Approach	
Final Approach	
Landing	
Other_____	

Route in Use	
Direct	
Oceanic	
VFR Route	
Vectors	
Visual Approach	
None	
Airway _____	
STAR _____	
SID _____	
Other_____	

Nav in Use	
FMS / FMC	
GPS	
INS	
Localizer / Glideslope / ILS _____	
NDB _____	
VOR/VORTAC _____	

AIRCRAFT

Airspace

Class A_____
Class B_____
Class C_____
Class D_____
Class E_____
Class G_____
Special Use _____
TFR _____

Maintenance Status

Maintenance Deferred? Y or N

Records Complete? Y or N

Released for Service? Y or N

Requred / Correct Doc on Board Y or N

Scheduled Maintenance

Unscheduled Maintenance

Maintenance Items Involved

Inspection
Installation
Repair
Testing
Work Cards

Cabin Lighting

High
Medium
Low
Off

Number of Seats

Number_____

Passengers on Board

Number_____

Crew Size Flight Attendant

Number_____

AIRCRAFT

Weight Category (UAS) — Q1
- Micro
- Small
- Medium
- Large

Configuration (UAS) — Q1
- Multi-Rotor
- Fixed Wing
- Helicopter
- Hybrid
- Other _____

Number of UAS Being Controlled (UAS) — Q1
- Number of UAS _____

Type (UAS) — Q1
- Purchased
- Homebuilt/Custom
- Other _____

Passenger Capable (UAS)? — Q1
- Y   or   N

Airspace Authorization Provider (UAS) — Q1
- Authorized Third Party
- FAA Authorization
- Other _____

Airworthiness Certification (UAS) — Q1
- Standard
- Special
- Special Authorization / Section 44807

Operating Under Waivers / Exemptions / Authorizations (UAS) — Q1
- Y   or   N

Waivers / Exemptions / Authorizations (UAS)
- Blanket COA
- Emergency COA
- Jurisdictional COA
- 91
- 107.25
- 107.29
- 107.31
- 107.33
- 107.35
- 107.37(a)
- 107.39
- 107.51
- 135
- Other _____

Flight Operated As (UAS) — Q1
- VLOS
- BVLOS
- Other _____

Flight Operated with Visual Observer (UAS) — Q1
- Yes
- No

Control Mode (UAS) — Q1
- Autonomous / Fully Automated
- Waypoint Flying
- Manual Control
- Transitioning Between Modes

UAS Flying In / Near / Over (UAS)
- Aerial Show / Event
- Aircraft / UAS
- Airport / Aerodrome / Heliport
- Critical Infrastructure
- Crowds
- Emergency Services
- Indoor / Confined Spaces
- Moving Vehicles
- Natural Disaster
- No Drone Zone
- Open Space / Field
- People / Populated Areas
- Private Property
- Recreational Club / Fixed Flying Site
- Other _____

COMPONENT	
Component	Q1
Aircraft Component_____	
Manufacturer	Q
Manufacturer_____	
Aircraft Reference	
X	
Y	
Z	
Other _____	
Problem	
Design	
Failed	
Improperly Operated	
Malfunctioning	

PERSON	
Person Number	Q1
___{1-30}_____	
Location of Person	Q1
Aircraft _____ Facility _____ Company Gate / Ramp / Line Hangar / Base Repair Facility Indoor / Ground Control Station (UAS) Outdoor / Field Station (UAS) Other _____	
Location in Aircraft	Q1
Flight Deck Cabin Jumpseat Crew Rest Area Door Area Galley General Seating Area Lavatory Other _____	
Reporter Organization	Q1
Air Carrier Air Taxi Commercial Operator (UAS) Contracted Service Corporate Fractional FBO Government Military Personal Recreational / Hobbyist (UAS) Other _____	
ASRS Report Number	Q1
Accession Number_____	

PERSON

Function.Flight Crew | Q1

- Captain
- Check Pilot
- First Officer
- Flight Engineer/Second Officer
- Instructor
- Person Manipulating Controls (UAS)
- Pilot Flying
- Pilot Not Flying
- Relief Pilot
- Remote PIC (UAS)
- Single Pilot
- Trainee
- Visual Observer (UAS)
- 5134 - Other / Unknown

Qualification.Flight Crew | Q1

- Student
- Sport/Recreational
- Private
- Commercial
- Air Transport Pilot (ATP)
- Remote Pilot (UAS)
- Public Aircraft Operations (UAS)
- Flight Instructor
- Multiengine
- Instrument
- Flight Engineer
- Rotorcraft
- Lighter-Than-Air
- Sea
- Glider

Experience.Flight Crew | Q1

- Total_____
- Last 90 Days _____
- Type _____
- Total (UAS)_____
- Last 90 Days (UAS)_____
- Type (UAS) _____

Function.Air Traffic Control | Q1

- Approach
- Coordinator
- Departure
- Enroute
- Flight Data /Clearance Delivery
- Flight Service
- Ground
- Handoff/Assist
- Instructor
- Trainee
- Local
- Oceanic
- Supervisor/CIC
- Traffic Management
- Other / Unknown

Qualification.Air Traffic Control

- Fully Certified
- Developmental

Experience.Air Traffic Control

- Radar (Yrs)_____
- Non Radar (Yrs)_____
- Military (Yrs)_____
- Supervisory (Yrs)____
- Time Certified in Pos 1 (mon)___

PERSON

Function.Maintenance	Q1
Inspector	
Instructor	
Lead Technician	
Parts/Stores Personnel	
Quality Assurance /Audit	
Technician	
Trainee	
Other / Unknown	

Qualification.Maintenance	Q1
Airframe	
Powerplant	
Apprentice	
Avionics	
Inspection Authority	
Nondestructive Testing	
Repairman	

Experience.Maintenance	Q1
Avionics (yrs)_____	
Inspector (yrs)_____	
Lead Technician (yrs)___	
Repairman (yrs)_____	
Technician (yrs)_____	

Function.Flight Attendant	Q1
Flight Attendant In Charge	
Flight Attendant (On Duty)	
Off Duty	
Other / Unknown	

Qualification.Flight Attendant	Q1
Current	

Experience.Flight Attendant	Q1
Total_____	
Airline Total_____	
Number Of Acft Qualified On___	
Type ___	

FA - Cabin Activity	
Boarding	
Deplaning	
Safety Related Duties	
Service	

PERSON

Function.Dispatch	Q1
Dispatcher	

Qualification.Dispatch	Q1
Dispatcher	

Experience.Dispatch	Q1
Dispatch _____	

Function.Ground Personnel	Q1
Airport Personnel FBO Personnel Gate Agent/CSR Ramp Vehicle Driver Other / Unknown	

Function.Other	Q1
Observer Passenger Other _____	

Qualification.Other	Q1
Other_____	

PERSON	
Human Factors	Q1
Communication Breakdown	
Confusion	
Distraction	
Fatigue	
Human-Machine Interface	
Physiological – Other	
Situational Awareness	
Time Pressure	
Training/Qualification	
Troubleshooting	
Workload	
Other / Unknown	

PERSON	
Callback	Q1
Attempted	
Completed	

Communication Breakdown

Between:	And:
☐ ATC	☐ ATC
☐ Dispatch	☐ Dispatch
☐ Flight Attendant	☐ Flight Attendant
☐ Flight Crew	☐ Flight Crew
☐ Ground Personnel	☐ UAS Crew
☐ Maintenance	☐ Ground Personnel
☐ Other	☐ Maintenance
	☐ Other

UAS Communication Breakdown

Between:	And:
☐ Person Manipulating Controls	☐ Person Manipulating Controls
☐ Remote PIC	☐ Remote PIC
☐ Visual Observer	☐ Visual Observer
☐ Dispatch	☐ ATC
☐ Maintenance	☐ Dispatch
☐ Other	☐ Maintenance
	☐ Other

Events

Anomaly.Aircraft Equipment		Q1
	Critical	
	Less Severe	

Anomaly.Airspace Violation		
	All Types	

Anomaly.ATC Issues		
	All Types	

Anomaly.Flight Deck/Cabin/Aircraft Event		
	Illness / Injury	
	Passenger Electronic Device	
	Passenger Misconduct	
	Smoke / Fire / Fumes / Odor	
	Other / Unknown	

Anomaly.Conflict		
	NMAC	
	Airborne Conflict	
	Ground Conflict, Critical	
	Ground Conflict, Less Severe	

Anomaly.Deviation - Altitude		
	Crossing Restriction Not Met	
	Excursion from Assigned Altitude	
	Overshoot	
	Undershoot	

Anomaly.Deviation - Speed		
	All Types	

Anomaly.Deviation - Track/Heading		
	All Types	

Anomaly.Deviation / Discrepancy - Procedural		
	Clearance	
	FAR	
	Hazardous Material Violation	
	Landing without Clearance	
	Maintenance	
	MEL / CDL	
	Published Material/Policy	
	Security	
	Unauthorized Flight Operations (UAS)	
	Weight and Balance	
	Other / Unknown	

Anomaly.Ground Excursion		Q1
	Ramp	
	Runway	
	Taxiway	

Anomaly.Ground Incursion		Q1
	Ramp	
	Runway	
	Taxiway	

Anomaly.Ground Event/Encounter		
	Aircraft	
	FOD	
	Fuel Issue	
	Gear Up Landing	
	Ground Equipment Issue	
	Ground Strike – Aircraft	
	Jet Blast	
	Loss of Aircraft Control	
	Loss of VLOS (UAS)	
	Object	
	Person / Animal / Bird	
	Vehicle	
	Weather / Turbulence	
	Other / Unknown	

Anomaly.Inflight Event/Encounter		
	Aircraft	
	CFTT/CFIT	
	Fly Away (UAS)	
	Fuel Issue	
	Laser	
	Loss of Aircraft Control	
	Object	
	Bird / Animal	
	Unstabilized Approach	
	VFR in IMC	
	Wake Vortex Encounter	
	Weather / Turbulence	
	Other / Unknown	

Anomaly.No Specific Anomaly Occurred		
	All Types	
	Unwanted Situation	

Anomaly.Other		
	Write-in	

Events

Detector | Q1

Automation
Aircraft RA
Aircraft TA
Aircraft Terrain Warning
Aircraft Other Automation
Air Traffic Control
Collision Avoidance System (UAS)
Person
Air Traffic Control
Flight Attendant
Dispatch
Flight Crew
Gate Agent / CSR
Ground Personnel
Maintenance
Observer
Passenger
UAS Crew
Visual Observer (UAS)
Other Person

When Detected | Q1

Routine inspection
In-flight
Taxi
Aircraft in service at gate
Pre-flight
Other _____

Miss Distance | Q1

Horizontal _____
Vertical _____

Were Passengers Involved in the Event? | Q1

Yes   or   No

Events

Result.General

- Evacuated
- Flight Cancelled / Delayed
- Maintenance Action
- Physical Injury / Incapacitation
- Police / Security Involved
- Release Refused / Aircraft not Accepted
- Work Refused
- None Reported / Taken

Result.Flight Crew

- Became Reoriented
- Diverted
- Executed Go Around / Missed Approach
- Exited Penetrated Airspace
- FLC Overrode Automation
- FLC Complied with Automation / Advisory
- Inflight Shutdown
- Landed as Precaution
- Landed in Emergency Condition
- Overcame Equipment Problem
- Regained Aircraft Control
- Rejected Takeoff
- Requested ATC Assistance/Clarification
- Returned to Clearance
- Returned to Departure Airport
- Returned to Gate
- Returned to Home (UAS)
- Took Evasive Action

Result.Air Traffic Control

- Issued Advisory/Alert
- Issued New Clearance
- Provided Assistance
- Separated Traffic

Result.Aircraft

- Aircraft Damaged
- Automated Return to Home (UAS)
- Automation Overrode Flight Crew
- Equipment Problem Dissipated
- Lost Link (UAS)
- Lost / Unrecoverable (UAS)

April 2024

Assessments

Contributing Factors / Situations

Aircraft
Airport
Airspace Structure
ATC Equip / Nav Facility / Buildings
Chart or Publication
Company Policy
Equipment / Tooling
Environment – Non Weather Related
Human Factors
Incorrect / Not Installed / Unavailable Part
Logbook Entry
Manuals
MEL
Procedure (inc. Airspace Authorization)
Software and Automation
Staffing
Weather

Primary Problem | Q1

Aircraft
Airport
Airspace Structure
ATC Equipment / Nav Facility / Buildings
Chart or Publication
Company Policy
Equipment / Tooling
Environment – Non-Weather Related
Human Factors
Incorrect / Not Installed / Unavailable Part
Logbook Entry
Manuals
MEL
Procedure
Software and Automation
Staffing
Weather
Ambiguous