

# ASRS Coding Form

<b>TIME</b>	
Date	Q1
1 - yyyyymm	
Local Time of Day	Q1
9 - 0001 - 0600 10 - 0601 - 1200 11 - 1201 - 1800 12 - 1801 - 2400	
<b>PLACE</b>	
Locale Reference	Q1
13 - Airport (ID) _____ 15 - NAVAID (ID & Type) _____ 14 - Intersection (ID) _____ 17 - ATC Facility (ID & Type) _____	
State Reference	Q1
18 - State _____	
Latitude / Longitude (UAS)	Q1
41 - Latitude _____ 40 - Longitude _____	
Relative Position	Q1
33 - Radial _____ 34 - Distance.Nautical Miles _____	
Altitude	Q1
36 - AGL.Single Value _____ 39 - MSL.Single Value _____	

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<b><i>ENVIRONMENT</i></b>	
<b>Flight Conditions</b>	<b>Q1</b>
50 - VMC 51 - IMC 52 - Mixed 53 - Marginal	
<b>Weather Elements / Visibility</b>	
5001 - Cloudy 56 - Fog 5002 - Hail 5003 - Haze / Smoke 57 - Icing 58 - Rain 59 - Snow 60 - Thunderstorm 61 - Turbulence 62 - Windshear 5004 - Other _____ 83 - Visibility (SM)	
<b>Work Environment Factors</b>	
5005 - Poor Lighting 5006 - Glare 5007 - Temperature - Extreme 5008 - Excessive Humidity 11383 - Excessive Wind (UAS)	
<b>Light</b>	<b>Q1</b>
75 - Dawn 76 - Daylight 77 - Dusk 78 - Night	
<b>Ceiling</b>	<b>Q1</b>
82 - CLR 79 - Single Value _____	
<b>RVR</b>	
86 - Single Value _____	

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<b>AIRCRAFT</b>	
<b>Aircraft Letter Reference</b>	<b>Q1</b>
90 - X 91 - Y 92 - Z A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W	
<b>ATC/Advisory</b>	<b>Q</b>
118 - FSS 110 - Center 120 - CTAF 5032 - Ground _____ 116 - Military Facility _____  5033 - Ramp _____ 114 - Tower _____ 112 - TRACON _____ 122 - UNICOM _____	
<b>Aircraft Operator</b>	<b>Q1</b>
5034 - Air Carrier 5035 - Air Taxi 11384 - Commercial Operator (UAS) 5036 - Corporate 5037 - Fractional 5038 - FBO 5039 - Government 5040 - Military 5041 - Personal 11385 - Recreational / Hobbyist (UAS) 5042 - Other	
<b>Flight Plan</b>	<b>Q1</b>
200 - VFR 201 - IFR 202 - SVFR 203 - DVFR 204 - None	
<b>Make Model</b>	<b>Q1</b>
159 - Name _____	

<b>Operating Under FAR Part</b>	<b>Q1</b>
175 - Part 91 5044 - Part 103 11386 - Part 107 176 - Part 119 177 - Part 121 178 - Part 125 179 - Part 129 11387 - Part 133 180 - Part 135 5045 - Part 137 11388 - Public Aircraft Operations (UAS) 11389 - Recreational Operations / Section 44809 (UAS) 181 - Other _____	
<b>Aircraft Zone</b>	
5043 - Aircraft Zone _____	
<b>Crew Size</b>	<b>Q1</b>
160 - Number of Crew _____	

# ASRS Coding Form

AIRCRAFT	
Mission	Q1
210 - Aerobatics	
211 - Agriculture	
212 - Ambulance	
213 - Banner Tow	
216 - Cargo / Freight / Delivery	
11390 - Communications (UAS)	
215 - Ferry / Re-Positioning	
11391 - Observation / Surveillance (UAS)	
217 - Passenger	
218 - Photo Shoot / Video	
219 - Personal	
11392 - Public Safety / Pursuit (UAS)	
11393 - Recreational / Hobbyist (UAS)	
220 - Refueling	
11394 - Search & Rescue	
222 - Skydiving	
11395 - Surveying / Mapping (UAS)	
223 - Tactical	
224 - Test Flight / Demonstration	
225 - Traffic Watch	
226 - Training	
5046 - Utility / Infrastructure	
227 - Other _____	
Flight Phase	
5048 - Taxi	
5049 - Parked	
11396 - Ground / Preflight (UAS)	
5050 - Takeoff / Launch	
5051 - Initial Climb	
5052 - Climb	
5053 - Cruise	
11397 - Hovering (UAS)	
11398 - Return to Home (UAS)	
5054 - Descent	
5055 - Initial Approach	
5056 - Final Approach	
5057 - Landing	
5058 - Other _____	
Route in Use	
332 - Direct	
336 - Oceanic	
329 - VFR Route	
328 - Vectors	
350 - Visual Approach	
5059 - None	
331 - Airway _____	
340 - STAR _____	
325 - SID _____	
5060 - Other _____	

Nav in Use
243 - FMS / FMC
244 - GPS
245 - INS
241 - Localizer / Glideslope / ILS _____
247 - NDB _____
249 - VOR/VORTAC

## ASRS Coding Form

<b>AIRCRAFT</b>	
<b>Airspace</b>	
<div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> 380 - Class A _____  <input type="checkbox"/> 382 - Class B _____  <input type="checkbox"/> 384 - Class C _____  <input type="checkbox"/> 386 - Class D _____  <input type="checkbox"/> 388 - Class E _____  <input type="checkbox"/> 390 - Class G _____  <input type="checkbox"/> 392 - Special Use _____  <input type="checkbox"/> 394 - TFR _____                 </div>	
<b>Maintenance Status</b>	
<div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> Maintenance Deferred?                      5061 - Y or 5062 - N                 </div>	
<div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> Records Complete?                      5063 - Y or 5064 - N                 </div>	
<div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> Released for Service?                      403 - Y or 402 - N                 </div>	
<div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> Required / Correct Doc on Board                      401 - Y or 400 - N                 </div>	
<div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> 5065 - Scheduled Maintenance                 </div>	
<div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> 5066 - Unscheduled Maintenance                 </div>	
<b>Maintenance Items Involved</b>	
<div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> 5067 - Inspection  <input type="checkbox"/> 5068 - Installation  <input type="checkbox"/> 5069 - Repair  <input type="checkbox"/> 5070 - Testing  <input type="checkbox"/> 5071 - Work Cards                 </div>	
<b>Cabin Lighting</b>	
<div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> 425 - High  <input type="checkbox"/> 426 - Medium  <input type="checkbox"/> 5072 - Low  <input type="checkbox"/> 427 - Off                 </div>	
<b>Number of Seats</b>	
<div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> 430 - Number _____                 </div>	
<b>Passengers on Board</b>	
<div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> 431 - Number _____                 </div>	
<b>Crew Size Flight Attendant</b>	
<div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> 5073 - Number _____                 </div>	

# ASRS Coding Form

<b>AIRCRAFT</b>	
<b>Weight Category (UAS)</b>	<b>Q1</b>
11418 - Micro 11419 - Small 11420 - Medium 11421 - Large	
<b>Configuration (UAS)</b>	<b>Q1</b>
11422 - Multi-Rotor 11423 - Fixed Wing 11424 - Helicopter 11425 - Hybrid 11426 - Other _____	
<b>Number of UAS Being Controlled (UAS)</b>	<b>Q1</b>
11458 - Number of UAS	
<b>Type (UAS)</b>	<b>Q1</b>
11455 - Purchased 11456 - Homebuilt/Custom 11457 - Other _____	
<b>Passenger Capable (UAS)?</b>	<b>Q1</b>
11453 - Y 11454 - N	
<b>Airspace Authorization Provider (UAS)</b>	<b>Q1</b>
11399- Authorized Third Party 11400- FAA Authorization 11401 - Other _____	
<b>Airworthiness Certification (UAS)</b>	<b>Q1</b>
11427 - Standard 11428 - Special 11429- Special Authorization / Section	
<b>Operating Under Waivers / Exemptions / Authorizations (UAS)</b>	<b>Q1</b>
11402-Yes 11403-No	

<b>Waivers / Exemptions / Authorizations (UAS)</b>	
11404-Blanket COA 11405-Emergency COA 11406-Jurisdictional COA 11407-91 11408-107.25 11409-107.29 11410-107.31 11411-107.33 11412-107.35 11413-107.37(a) 11414-107.39 11415-107.51 11416-135 11417- Other _____	
<b>Flight Operated As (UAS)</b>	<b>Q1</b>
11430- VLOS 11431- BVLOS 11432- Other _____	
<b>Flight Operated with Visual Observer (UAS)</b>	<b>Q1</b>
11433- Yes 11434 - No	
<b>Control Mode (UAS)</b>	<b>Q1</b>
11435-Autonomous / Fully Automated 11436-Waypoint Flying 11437-Manual Control 11438-Transitioning Between Modes	
<b>UAS Flying In / Near / Over (UAS)</b>	
11439 - Aerial Show / Event 11440 - Aircraft / UAS 11441 - Airport / Aerodome / Heliport 11442 - Critical Infrastructure 11443 - Crowds 11444 - Emergency Services 11445 - Indoor / Confined Spaces 11446 - Moving Vehicles 11447 - Natural Disaster 11448 - No Drone Zone 11449 - Open Space / Field 11450 - People / Populated Areas 11451 - Private Property 11479 - Recreational Club / Fixed Flying Site 11452 - Other _____	

## ASRS Coding Form

<b>COMPONENT</b>	
Component	Q1
575 - Aircraft Component _____	
Manufacturer	Q
576 - Manufacturer _____	
Aircraft Reference	
577 - X 578 - Y 579 - Z 580 - Other _____	
Problem	
581 - Design 582 - Failed 583 - Improperly Operated 584 - Malfunctioning	

# ASRS Coding Form

<b>PERSON</b>	
Person Number	Q1
{1-30}	
Location of Person	Q1
616 - Aircraft _____ 615 - Facility _____ 617 - Company _____ 5101 - Gate / Ramp / Line _____ 5102 - Hangar / Base _____ 5103 - Repair Facility _____ 11367 - Indoor / Ground Control Station (UAS) _____ 11369 - Outdoor / Field Station (UAS) _____ 11459- Other _____	
Location in Aircraft	Q1
5104 - Flight Deck _____ 5105 - Cabin Jumpseat _____ 5106 - Crew Rest Area _____ 5107 - Door Area _____ 5108 - Galley _____ 5109 - General Seating Area _____ 5110 - Lavatory _____ 5111 - Other _____	
Reporter Organization	Q1
5112 - Air Carrier _____ 5113 - Air Taxi _____ 11384 - Commercial Operator (UAS) _____ 5114 - Contracted Service _____ 5115 - Corporate _____ 5116 - Fractional _____ 5117 - FBO _____ 5118 - Government _____ 5119 - Military _____ 5120 - Personal _____ 11385 - Recreational / Hobbyist (UAS) _____ 5121 - Other _____	
ASRS Report Number	Q1
750 - Accession Number _____	



## ASRS Coding Form

<b>PERSON</b>	
Function.Flight Crew	Q1
652 - Captain 5131 - Check Pilot 653 - First Officer 655 - Flight Engineer/Second Officer 5132 - Instructor 11346 - Person Manipulating Controls (UAS) 606 - Pilot Flying 607 - Pilot Not Flying 654 - Relief Pilot 11347 - Remote PIC (UAS) 651 - Single Pilot 5133 - Trainee 11348 - Visual Observer (UAS) 5134 - Other / Unknown	
Qualification.Flight Crew	Q1
700 - Student 5150 - Sport/Recreational 701 - Private 704 - Commercial 705 - Air Transport Pilot (ATP) 11349 - Remote Pilot (UAS) 11350 - Public Aircraft Operations (UAS) 707 - Flight Instructor 703 - Multiengine 702 - Instrument 706 - Flight Engineer 5148 - Rotorcraft 5147 - Lighter-Than-Air 5149 - Sea 5146 - Glider	
Experience.Flight Crew	Q1
746 - Total _____ 748 - Last 90 Days _____ 747 - Type _____ 11351 - Total (UAS) _____ 11352 - Last 90 Days (UAS) _____ 11353 - Type (UAS) _____	

Function.Air Traffic Control	Q1
665 - Approach 5122 - Coordinator 664 - Departure 5123 - Enroute 662 - Flight Data /Clearance Delivery 684 - Flight Service 660 - Ground 669 - Handoff/Assist 5124 - Instructor 5125 - Trainee 658 - Local 5126 - Oceanic 5127 - Supervisor/CIC 670 - Traffic Management 5128 - Other / Unknown	
Qualification.Air Traffic Control	
5145 - Fully Certified 712 - Developmental	
Experience.Air Traffic Control	
730 - Radar (Yrs) _____ 732 - Non Radar (Yrs) _____ 733 - Military (Yrs) _____ 734 - Supervisory (Yrs) _____ 735 - Time Certified in Pos 1 _____	

## ASRS Coding Form

<b>PERSON</b>	
<b>Function.Maintenance</b>	<b>Q1</b>
675 - Inspector 5137 - Instructor 677 - Lead Technician 5138 - Parts/Stores Personnel 5139 - Quality Assurance /Audit 5140 - Technician 5141 - Trainee 5142 - Other / Unknown	
<b>Qualification.Maintenance</b>	<b>Q1</b>
715 - Airframe 714 - Powerplant 5152 - Apprentice 5153 - Avionics 717 - Inspection Authority 5154 - Nondestructive Testing 713 - Repairman	
<b>Experience.Maintenance</b>	<b>Q1</b>
744 - Avionics (yrs)_____ 5156 - Inspector (yrs)_____ 743 - Lead Technician (yrs)_____ 741 - Repairman (yrs)_____ 742 - Technician (yrs)_____	

<b>Function.Flight Attendant</b>	<b>Q1</b>
5129 - Flight Attendant In Charge 679 - Flight Attendant (On Duty) 680 - Off Duty 5130 - Other / Unknown	
<b>Qualification.Flight Attendant</b>	<b>Q1</b>
718 - Current	
<b>Experience.Flight Attendant</b>	<b>Q1</b>
738 - Total_____ 739 - Airline Total_____ 720 - Number Of Acft Qualified On____ 740 - Type_____	
<b>FA - Cabin Activity</b>	
411 - Boarding 413 - Deplaning 416 - Safety Related Duties 410 - Service	

## ASRS Coding Form

<b><i>PERSON</i></b>	
Function.Dispatch	Q1
5143 - Dispatcher	
Qualification.Dispatch	Q1
721 - Dispatcher	
Experience.Dispatch	Q1
737 - Dispatch _____	
Function.Ground Personnel	Q1
644 - Airport Personnel	
683 - FBO Personnel	
685 - Gate Agent/CSR	
5135 - Ramp	
688 - Vehicle Driver	
5136 - Other / Unknown	
Function.Other	Q1
648 - Observer	
647 - Passenger	
5144 - Other _____	
Qualification.Other	Q1
5330 - Other _____	

# ASRS Coding Form

<b>PERSON</b>	
Human Factors	Q1
5157 - Communication Breakdown 5158 - Confusion 5159 - Distraction 5160 - Fatigue 5161 - Human-Machine Interface 5162 - Physiological – Other 5163 - Situational Awareness 5164 - Time Pressure 5165 - Training/Qualification 5166 - Troubleshooting 5167 - Workload 5168 - Other / Unknown	
<b>PERSON</b>	
Callback	Q1
761 - Attempted 760 - Completed	

<b>Communication Breakdown</b>	
Between:	And:
<input type="checkbox"/> ATC <input type="checkbox"/> Dispatch <input type="checkbox"/> Flight Attendant <input type="checkbox"/> Flight Crew <input type="checkbox"/> Ground Personnel <input type="checkbox"/> Maintenance <input type="checkbox"/> Other	<input type="checkbox"/> ATC <input type="checkbox"/> Dispatch <input type="checkbox"/> Flight Attendant <input type="checkbox"/> Flight Crew <input type="checkbox"/> UAS Crew <input type="checkbox"/> Ground Personnel <input type="checkbox"/> Maintenance <input type="checkbox"/> Other
<b>UAS Communication Breakdown</b>	
Between:	And:
<input type="checkbox"/> Person Manipulating Controls <input type="checkbox"/> Remote PIC <input type="checkbox"/> Visual Observer <input type="checkbox"/> Dispatch <input type="checkbox"/> Maintenance <input type="checkbox"/> Other	<input type="checkbox"/> Person Manipulating Controls <input type="checkbox"/> Remote PIC <input type="checkbox"/> Visual Observer <input type="checkbox"/> ATC <input type="checkbox"/> Dispatch <input type="checkbox"/> Maintenance <input type="checkbox"/> Other

# ASRS Coding Form

<b>Events</b>	
<b>Anomaly.Aircraft Equipment</b>	<b>Q1</b>
801 - <b>Critical</b>	
802 - Less Severe	
<b>Anomaly.Airspace Violation</b>	
5197 - All Types	
<b>Anomaly.ATC Issues</b>	
5198 - All Types	
<b>Anomaly.Flight Deck/Cabin/Aircraft Event</b>	
879 - Illness / Injury	
881 - Passenger Electronic Device	
878 - Passenger Misconduct	
899 - Smoke/Fire/Fumes/Odor	
5199 - Other / Unknown	
<b>Anomaly.Conflict</b>	
852 - <b>NMAC</b>	
5200 - Airborne Conflict	
854 - <b>Ground Conflict, Critical</b>	
853 - Ground Conflict, Less Severe	
<b>Anomaly.Deviation - Altitude</b>	
812 - Crossing Restriction Not Met	
811 - Excursion from Assigned Altitude	
809 - Overshoot	
810 - Undershoot	
<b>Anomaly.Deviation - Speed</b>	
5201 - All Types	
<b>Anomaly.Deviation - Track/Heading</b>	
5202 - All Types	
<b>Anomaly.Deviation / Discrepancy - Procedural</b>	
890 - Clearance	
892 - FAR	
900 - Hazardous Material Violation	
817 - Landing without Clearance	
5203 - Maintenance	
5204 - MEL / CDL	
893 - Published Material/Policy	
5205 - Security	
11370 - Unauthorized Flight Operations (UAS)	
5206 - Weight and Balance	
5207 - Other / Unknown	
<b>Anomaly.Ground Excursion</b>	<b>Q1</b>
813 - Ramp	
814 - Runway	
815 - Taxiway	

<b>Anomaly.Ground Incursion</b>	<b>Q1</b>
819 - Ramp	
818 - Runway	
816 - Taxiway	
<b>Anomaly.Ground Event/Encounter</b>	
5208 - Aircraft	
820 - FOD	
5252 - Fuel Issue	
824 - Gear Up Landing	
5257 - Ground Equipment Issue	
5209 - Ground Strike – Aircraft	
5306 - Jet Blast	
<b>5210 - Loss of Aircraft Control</b>	
11371 - Loss of VLOS (UAS)	
5211 - Object	
821 - Person / Animal / Bird	
822 - Vehicle	
5307 - Weather / Turbulence	
5212 - Other / Unknown	
<b>Anomaly.Inflight Event/Encounter</b>	
11372 - Aircraft	
804 - <b>CFTT/CFIT</b>	
11373 - Fly Away (UAS)	
5213 - Fuel Issue	
5308 - Laser	
<b>5214 - Loss of Aircraft Control</b>	
5215 - Object	
5216 - Bird / Animal	
897 - Unstabilized Approach	
860 - VFR in IMC	
858 - Wake Vortex Encounter	
859 - Weather / Turbulence	
5329 - Other / Unknown	
<b>Anomaly.No Specific Anomaly Occurred</b>	
5218 - All Types	
<b>Anomaly.Other</b>	
5309 - Unwanted Situation	
901 - Write-in	

## ASRS Coding Form

<b>Events</b>	
<b>Detector</b>	<b>Q1</b>
<div style="background-color: #D3D3D3; padding: 2px 5px;"><b>Automation</b></div> 5221 - Aircraft RA 5222 - Aircraft TA 5223 - Aircraft Terrain Warning 5224 - Aircraft Other Automation 5226 - Air Traffic Control 11374 - Collision Avoidance System (UAS) <div style="background-color: #D3D3D3; padding: 2px 5px; margin-top: 5px;"><b>Person</b></div> 5225 - Air Traffic Control 5227 - Flight Attendant 5228 - Dispatch 5229 - Flight Crew 5230 - Gate Agent/CSR 5231 - Ground Personnel 5232 - Maintenance 5233 - Observer 5234 - Passenger 11375 - UAS Crew 11376 - Visual Observer (UAS) 5331 - Other Person	
<b>When Detected</b>	<b>Q1</b>
5235 - Routine inspection 5236 - In-flight 5237 - Taxi 5238 - Aircraft in service at gate 5239 - Pre-flight 5240 - Other _____	
<b>Miss Distance</b>	<b>Q1</b>
991 - Horizontal _____ 990 - Vertical _____	
<b>Were Passengers Involved in the Event</b>	<b>Q1</b>
5219 - Yes   or   5220 - No	

## ASRS Coding Form

<b>Events</b>	
<b>Result.General</b>	
5241 - Evacuated 5242 - Flight Cancelled/Delayed 5243 - Maintenance Action 5244 - Physical Injury / Incapacitation 5245 - Police / Security Involved 5246 - Release Refused/Aircraft not Accepted 5247 - Work Refused 5248 - None Reported / Taken	
<b>Result.Flight Crew</b>	
5249 - Became Reoriented 5250 - Diverted 5251 - FLC Overrode Automation 5332 - FLC Complied with Automation / Advisory 5253 - Executed Go Around/Missed Approach 5254 - Exited Penetrated Airspace 5255 - Inflight Shutdown 5256 - Landed as Precaution XXXX - Landed in Emergency Condition 5258 - Overcame Equipment Problem 5259 - Regained Aircraft Control 5260 - Rejected Takeoff 5261 - Requested ATC Assistance/Clarification 5262 - Returned to Clearance 5263 - Returned to Departure Airport 5264 - Returned to Gate 11377 - Returned to Home (UAS) 5265 - Took Evasive Action	
<b>Result.Air Traffic Control</b>	
5267 - Issued Advisory/Alert 5268 - Issued New Clearance 5266 - Provided Assistance 5269 - Separated Traffic	
<b>Result.Aircraft</b>	
5270 - Aircraft Damaged 11378 - Automated Return to Home (UAS) 5271 - Automation Overrode Flight Crew 5272 - Equipment Problem Dissipated 11379 - Lost Link (UAS) 11380 - Lost / Unrecoverable (UAS)	

## ASRS Coding Form

<b>Assessments</b>	
<b>Contributing Factors / Situations</b>	<b>Q1</b>
5273 - Aircraft 5274 - Airport 5275 - Airspace Structure 5276 - ATC Equip / Nav Facility / Buildings 5277 - Chart or Publication 5278 - Company Policy 5279 - Equipment / Tooling 5280 - Environment – Non Weather Related 5281 - Human Factors 5282 - Incorrect / Not Installed / Unavailable Part 5283 - Logbook Entry 5284 - Manuals 5285 - MEL 5286 - Procedure (airspace authorization include here) 11381 - Software and Automation 5287 - Staffing 5288 - Weather	
<b>Primary Problem</b>	<b>Q1</b>
5289 - Aircraft 5290 - Airport 5291 - Airspace Structure 5292 - ATC Equipment / Nav Facility / Buildings 5293 - Chart or Publication 5294 - Company Policy 5295 - Equipment / Tooling 5296 - Environment – Non-Weather Related 5297 - Human Factors xxxx - Incorrect / Not Installed / Unavailable Part 5299 - Logbook Entry 5300 - Manuals 5301 - MEL 5302 - Procedure 11382 - Software and Automation 5303 - Staffing 5304 - Weather 5305 - Ambiguous	